**Approval for Access (AfA) Register (for Internal Use)**

The Approval for Access Register is intended to summarise relevant information captured during the Approval for Access Process. The register contains an inventory of the datasets that have been assigned an AfA recommendation, or not. In addition to a dataset abstract it highlights where specific attributes have been approved for access. Any guidance or issues to note, such as royalty payments, are also included within the Description.

**How to use the AfA Register**

The datasets available for re-use are listed below together with a brief description. The tables give detail of the specific fields that have undergone legal and policy checks. Information warnings are also provided where appropriate. For further enquiries, please contact [DATAINFO](mailto:data.info@environment-agency.gov.uk) where the complete AfA form can be obtained or where additional guidance is available.

Fields highlighted in green have been approved for access for:

* Responding to Requests;
* FoI Publication Scheme; and
* Information for Re-Use Register.

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Relevant guidance is given in addition to issues to note – for example, a dataset may be approved for access but only with royalty payments to third party data holders.

**Similarities with the Information for Re-Use Register**

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The AfA Categories assigned to the data are

|  |  |
| --- | --- |
| **AfA Category** | **Description** |
| i. AfA (Publication Scheme & IfRR[[1]](#footnote-1)) | All approved attributes can be licensed without further checks. Data are included on the Information for Re-Use Register and Publication Scheme. |
| ii. AfA (Public Register) | Approved for inclusion onto the Public Register only. Not available for Re-Use. |
| iii. AfA (Publication Scheme) | Approved for inclusion on the Publication Scheme. Not available for Re-Use. |
| iv. AfA (Information Requests only[[2]](#footnote-2)) | Approved for reactive requests for information only, not for licensing, pro-active use or publication scheme. |
| v. Not AfA (To be Assessed) | The information should be assessed at the time of the request and is the default category within Metadata Explorer. The data has not been assessed via the AfA process. |
| vi. Not AfA (To be Assessed with Guidance) | The information should be assessed at the time of the request and includes guidance relevant to the dataset. The data has been assessed via the AfA process. |
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**Note:** Where information has not been AfA an assumption should not be made that the information should automatically be withheld – rather, further assessment is required specific to the request. If information has a Sensitive Data marking then the AfA Category cannot be options i - iv.

**Table of Datasets undergone Approval for Access (Ctl+Click for Direct Link)**

[BATHING WATERS](#_Toc430695218)

[Areas Affecting Bathing Waters (AfA143)](#_Toc430695219)

[Bathing Water Quality at Designated Beaches (AfA012)](#_Toc430695220)

[iPhone Bathing Waters Application (AfA201)](#_Toc430695221)

[Sensitive Areas – Bathing Waters (AfA250)](#_Toc430695222)

[BIODIVERSITY](#_Toc430695223)

[Angling Guide Database 2011 (AfA235)](#_Toc430695224)

[Catchment Walkovers (AfA431)](#_Toc430695225)

[Chalk Rivers (AfA429)](#_Toc430695226)

[Freshwater and Marine Biological Surveys England (AfA307)](#_Toc430695227)

[Habscore (AfA455)](#_Toc430695228)

[Inland Waters – Where to Fish (AfA121)](#_Toc430695229)

[Marine Benthic Invertebrate Species (AfA130)](#_Toc430695230)

[National Fish Population Database (AfA347)](#_Toc430695231)

[Otter Survey Data 1977-2010 (AfA224)](#_Toc430695232)

[Priority Habitat Creation and Restoration England (AfA319)](#_Toc430695233)

[Routine Environmental Monitoring Locations](#_Toc430695234)

[Saltmarsh Extents (AfA137)](#_Toc430695235)

[Saltmarsh Species (AfA131)](#_Toc430695236)

[Saltmarsh Zonation (AfA407)](#_Toc430695237)

[Seagrass Taxa and Abundance (AfA128)](#_Toc430695238)

[Shellfish Waters Areas for England and Wales (AfA122)](#_Toc430695239)

[Species Surveys – Native Species (AfA227)](#_Toc430695240)

[Species Surveys - Non-Native Species (AfA226)](#_Toc430695241)

[Species Surveys – Rare and Protected Species (AfA225)](#_Toc430695242)

[Summary Shellfish Directive Assessments (AfA123)](#_Toc430695243)

[FCRM](#_Toc430695244)

[2D Benchmarking Tool (AfA176)](#_Toc430695245)

[Areas Susceptible to Groundwater Flooding 2010 (AfA190)](#_Toc430695246)

[Areas to Benefit from New and Reconditioned Flood Schemes under the Medium Term Plan (AfA097)](#_Toc430695247)

[Bank Top ePlanning Tool (AfA046)](#_Toc430695248)

[Catchment Flood Management Plan Policy Units (AfA144)](#_Toc430695249)

[Coastal Design/Extreme Sea Levels (AfA188)](#_Toc430695250)

[Coastal Extreme Swell Wave Conditions (AfA189)](#_Toc430695251)

[Coastal Overview Map (AfA139)](#_Toc430695252)

[Flood and Coastal Erosion Risk Management Frequent Maintenance Programme for England (AfA266)](#_Toc430695253)

[Flood and Coastal Erosion Risk Management Intermittent Maintenance Programme for England (AfA267)](#_Toc430695254)

[Flood Map (AfA031)](#_Toc430695255)

[Flood Zone Depth Grid Dataset 2004 (AfA238)](#_Toc430695256)

[HiFlows-UK (AfA120)](#_Toc430695257)

[Historic Flood Map (AfA013)](#_Toc430695258)

[Historic Surface and Groundwater Flooding Data (AfA110)](#_Toc430695259)

[Indicative Flood Risk Areas (AfA192)](#_Toc430695260)

[Infrastructure at Risk to Flooding (AfA127)](#_Toc430695261)

[Mapping All Sources Tool (MAST) (AfA202)](#_Toc430695262)

[National Coastal Erosion Risk (NCERM) (AfA039)](#_Toc430695263)

[National Property Dataset 2005 (AfA077)](#_Toc430695264)

[National Property Dataset 2008 (AfA112)](#_Toc430695265)

[National Receptors Database 2011 (AfA171)](#_Toc430695266)

[Rapid Response Catchments (AfA044)](#_Toc430695267)

[Receptors Vulnerable to Flooding Database (RVFD) (AfA035)](#_Toc430695268)

[Recorded Flood Outlines (AfA008)](#_Toc430695269)

[Remotely Sensed Flood Estimate England (AfA348)](#_Toc430695270)

[River and Coastal Maintenance Programme (AfA145)](#_Toc430695271)

[River Depth, Level and Flow Estimates (AfA370)](#_Toc430695272)

[Shoreline Management Plan Extents (AfA196)](#_Toc430695273)

[Spatial Flood Defences (including standardised attributes) (AfA006)](#_Toc430695274)

[Understanding Flood and Coastal Erosion Risk Management Law in England E-Learning Package (AfA320)](#_Toc430695275)

[Updated Flood Map for Surface Water Basic Package (AfA375)](#_Toc430695276)

[Updated Flood Map for Surface Water Complex Package (AfA376)](#_Toc430695277)

[FCRM – FLOOD WARNING](#_Toc430695278)

[3 Day Flood Forecast (AfA259)](#_Toc430695279)

[Flood Alert Areas (AfA055)](#_Toc430695280)

[Flood Risk Areas (AfA256)](#_Toc430695281)

[Flood Warning Areas (AfA054)](#_Toc430695282)

[Flood Warnings (AfA136)](#_Toc430695283)

[UKCMF Surge Ensemble Output (AfA217)](#_Toc430695284)

[UKCMF Surge Model Output Data (AfA193)](#_Toc430695285)

[Wave Transformation Model Output Data North West (AfA412)](#_Toc430695286)

[FCRM – Risk of Flooding from Rivers and Sea](#_Toc430695287)

[NaFRA 2006 Postcode Flood Likelihood Category Database (AfA042)](#_Toc430695288)

[NaFRA 2006 Property Flood Likelihood Category Database (AfA040)](#_Toc430695289)

[NaFRA 2006 Spatial Flood Likelihood Category Grid (AfA041)](#_Toc430695290)

[NaFRA Postcode Flood Likelihood Category (FLC) Database Pre Dec 2013 (AfA107)](#_Toc430695291)

[NaFRA Property Flood Likelihood Category (FLC) Database Pre Dec 2013 (AfA105)](#_Toc430695292)

[NaFRA Spatial Flood Likelihood Category (FLC) Grid Pre Dec 2013 (AfA106)](#_Toc430695293)

[Risk of Flooding from Rivers and Sea (AfA379)](#_Toc430695294)

[Risk of Flooding from Rivers and Sea – Postcodes in Areas at Risk (AfA380)](#_Toc430695295)

[Risk of Flooding from Rivers and Sea – Properties in Areas at Risk (AfA378)](#_Toc430695296)

[FINANCE](#_Toc430695297)

[Spend Over £500 GPC monthly (AfA327)](#_Toc430695298)

[Spend Over £25k month year (AfA326)](#_Toc430695299)

[HYDROMETRY](#_Toc430695300)

[Archived Non Quality Controlled Recording Precipitation Data (AfA344)](#_Toc430695301)

[Daily Mean River Flows [WISKI] (AfA186)](#_Toc430695302)

[EA Current Meter Gauging Tool (AfA368)](#_Toc430695303)

[EA Rating Curve Editor (AfA367)](#_Toc430695304)

[Groundwater Level Measurements (AfA075)](#_Toc430695305)

[High Frequency Real-time and Near-real-time Raingauge Data (AfA147)](#_Toc430695306)

[Hydrometric Monitoring Points Limited Use (AfA404)](#_Toc430695307)

[Hydrometric Monitoring Points Open Data (AfA216)](#_Toc430695308)

[Manual River Flow Measurements (AfA205)](#_Toc430695309)

[Monthly Maximum Instantaneous River Flows [WISKI] (AfA187)](#_Toc430695310)

[Monthly Maximum River Flows (AfA007)](#_Toc430695311)

[Operational Rainmaster – Complete (AfA102)](#_Toc430695312)

[Quality Controlled Daily and Monthly Raingauge Data from Environment Agency Gauges (AfA148)](#_Toc430695313)

[Rainmaster – Environment Agency (AfA101)](#_Toc430695314)

[Real-time and Near-real-time Raingauge Data (AfA236)](#_Toc430695315)

[Realtime Flood Data River Levels (AfA104)](#_Toc430695316)

[Realtime Flood Data River Flows (AfA305)](#_Toc430695317)

[Realtime Flood Data Air Temperature (AfA422)](#_Toc430695318)

[Realtime Flood Data Groundwater Levels (AfA421)](#_Toc430695319)

[LAND AND WATER QUALITY](#_Toc430695320)

[Consented Discharges to Controlled Waters (AfA014)](#_Toc430695321)

[Consented Discharges to Controlled Waters with Conditions (AfA184)](#_Toc430695322)

[CSF Priority Catchments phase 3 (AfA261)](#_Toc430695323)

[CSF Partnership Catchments phase 3 (AfA262)](#_Toc430695324)

[Discharges of Consented Red List Substances (AfA028)](#_Toc430695325)

[Environmental Pollution Incidents (AfA138)](#_Toc430695326)

[Groundwater Vulnerability (AfA199)](#_Toc430695327)

[Groundwater Vulnerability Maps (AfA248)](#_Toc430695328)

[Historic GQA Headline Indicators of Water Courses – Biology (AfA161)](#_Toc430695329)

[Historic GQA Headline Indicators of Water Courses – Chemistry (AfA162)](#_Toc430695330)

[Historic GQA Headline Indicators of Water Courses – Nutrients (AfA163)](#_Toc430695331)

[Historic River Quality Objectives (AfA164)](#_Toc430695332)

[Historic UK Water Quality Sampling Harmonised Monitoring Scheme Detailed Data (AfA255)](#_Toc430695333)

[Historic UK Water Quality Sampling Harmonised Monitoring Scheme Summary Data (AfA178)](#_Toc430695334)

[Monitoring of Pesticides and Trace Organics in Water [1992 – 2008] (AfA197)](#_Toc430695335)

[Permitted Waste Sites – Animal Disposal Site Boundaries (AfA076)](#_Toc430695336)

[Pollution Incidents Summary by Region year (AfA352)](#_Toc430695337)

[Pollution Incidents Summary by Source year (AfA353)](#_Toc430695338)

[Pollution Incidents Summary by Pollutant year (AfA354)](#_Toc430695339)

[Pollution Incidents Summary by Cause year (AfA355)](#_Toc430695340)

[Pollution Incidents Summary by EA Impact year (AfA356)](#_Toc430695341)

[Pollution Incidents Summary year (AfA357)](#_Toc430695342)

[Sensitive Areas – Eutrophic (AfA249)](#_Toc430695343)

[Sensitive Areas – Nitrates (AfA251)](#_Toc430695344)

[Surface Water Temperature Archive up to 2007 (AfA214)](#_Toc430695345)

[Trent River Basin District (RBD) SIMCAT Water Quality Modelling dataset (AfA204)](#_Toc430695346)

[Water Quality Exemptions (AfA208)](#_Toc430695347)

[Water Quality Samples – Compliance Monitoring (AfA194)](#_Toc430695348)

[PROSECUTION AND ENFORCEMENT](#_Toc430695349)

[Angler Prosecutions Monthly (AfA427)](#_Toc430695350)

[Enforcement Action against Corporate Entities (AfA004)](#_Toc430695351)

[Proceeds of Crime Act Orders (AfA004)](#_Toc430695352)

[REGULATION](#_Toc430695353)

[Battery Compliance Schemes (AfA332)](#_Toc430695354)

[Battery Approved Exporters – Industrial and Automotive (AfA337)](#_Toc430695355)

[Battery Approved Exporters - Portable (AfA336)](#_Toc430695356)

[Battery Producers – Environment Agency Public Register (AfA333)](#_Toc430695357)

[Battery Approved Treatment Operators – Industrial and Automotive (AfA335)](#_Toc430695358)

[Battery Approved Treatment Operators - Portable (AfA334)](#_Toc430695359)

[Company Environmental Performance Summary 2010-12 (AfA425)](#_Toc430695360)

[Compliance Classification Scheme (AfA403)](#_Toc430695361)

[Compliance Classification Scheme Historic (AfA405)](#_Toc430695362)

[Compliance Classification Scheme Statistics (AfA406)](#_Toc430695363)

[EEE Marketed UK Summary (AfA316)](#_Toc430695364)

[End of Life Vehicles Authorised Treatment Facilities Public Register (AfA158)](#_Toc430695365)

[Environmental Permitting Regulations – Industrial Sites (AfA021)](#_Toc430695366)

[Environmental Permitting Regulations – Waste Sites (AfA200)](#_Toc430695367)

[Extractive Materials Management Statement Summaries – Corporate Entities Only (AfA203)](#_Toc430695368)

[Groundwater Permits (AfA282)](#_Toc430695369)

[Hazardous Waste Database (AfA001)](#_Toc430695370)

[Hazardous Waste Interrogator (AfA229)](#_Toc430695371)

[Hazardous Waste Registrations with SIC Code (AfA043)](#_Toc430695372)

[Historic Landfill (AfA034)](#_Toc430695373)

[International Waste Shipments exported from England and Wales (AfA328)](#_Toc430695374)

[International Waste Shipments received from England and Wales (AfA329)](#_Toc430695375)

[International Waste Shipments exported to England and Wales (AfA330)](#_Toc430695376)

[International Waste Shipments received in England and Wales (AfA331)](#_Toc430695377)

[International Waste Shipments from England and Wales – indicative (AfA414)](#_Toc430695378)

[International Waste Shipments into England and Wales – indicative (AfA415)](#_Toc430695379)

[Inventory of Closed Mining Waste Facilities (AfA260)](#_Toc430695380)

[National Compliance Assessment (AfA410)](#_Toc430695381)

[National Compliance Indicators year (AfA411)](#_Toc430695382)

[Opra (AfA402)](#_Toc430695383)

[Opra Historic (AfA408)](#_Toc430695384)

[Opra Statistics (AfA409)](#_Toc430695385)

[OSPAR (AfA023)](#_Toc430695386)

[Packaging Flow Consolidated year (AfA362)](#_Toc430695387)

[Packaging Regulations - Approved Reprocessors and Exporters (AfA243)](#_Toc430695388)

[Packaging Regulations – Producers – Registered Entities only (AfA228)](#_Toc430695389)

[Packaging Regulations Approved Schemes (AfA244)](#_Toc430695390)

[Permit Administration System (PAS) (AfA003)](#_Toc430695391)

[Permitted Waste Sites – Authorised Landfill Site Boundaries (AfA111)](#_Toc430695392)

[Polychlorinated Biphenyl Register (AfA264)](#_Toc430695393)

[RATS Permitted Landfill (AfA002)](#_Toc430695394)

[Recovery and Recycling Packaging Summary (AfA360)](#_Toc430695395)

[Referrals of Red List Discharges to Sewers (Corporate Entities) (AfA056)](#_Toc430695396)

[Referrals of Red List Discharges to Sewers (AfA030)](#_Toc430695397)

[Remaining Landfill Capacity (AfA233)](#_Toc430695398)

[Scrap Metal Dealers (AfA416)](#_Toc430695399)

[Tonnages from Waste Returns (AfA207)](#_Toc430695400)

[UK Portable Batteries Data Summary year (AfA359)](#_Toc430695401)

[Waste Carriers, Brokers and Dealers (AfA159)](#_Toc430695402)

[Waste Data Interrogator (AfA230)](#_Toc430695403)

[Waste Electrical and Electronic Equipment Contacts (Corporate Entities Only) (AfA154)](#_Toc430695404)

[Waste Infrastructure Data Tables (AfA223)](#_Toc430695405)

[Waste Management Licence Current Exemptions (AfA005)](#_Toc430695406)

[Waste Registrations – Summary Data (AfA288)](#_Toc430695407)

[WEEE Collected UK Summary (AfA312)](#_Toc430695408)

[Waste Electrical and Electronic Equipment Designated Collection Facilities UK (anonymised) (AfA155)](#_Toc430695409)

[WEEE Producers Public Register England and Wales year (AfA311)](#_Toc430695410)

[WEEE Received AATFs UK Summary (AfA313)](#_Toc430695411)

[WEEE Received Approved Exporters UK Summary (AfA317)](#_Toc430695412)

[WEEE Received Non-Obligated UK Summary (AfA314)](#_Toc430695413)

[WEEE Reprocessors and Exporters (AfA156)](#_Toc430695414)

[WEEE Self-Cleared UK Summary (AfA315)](#_Toc430695415)

[RESERVOIRS](#_Toc430695416)

[Large Raised Reservoirs (AfA134)](#_Toc430695417)

[Reservoir Inundation Flood Maps – Fixed Format (AfA181)](#_Toc430695418)

[Reservoir Flood Maps – Spatial Data (AfA180)](#_Toc430695419)

[Reservoir Flood Map Maximum Flood Outline (Extent) (AfA113)](#_Toc430695420)

[TRADING SCHEMES](#_Toc430695421)

[Carbon Reduction Commitment Scheme Members (Corporate Entities) (AfA219)](#_Toc430695422)

[Carbon Reduction Commitment Reporting Data) (AfA454)](#_Toc430695423)

[Historical Carbon Reduction Commitment Performance Data (AfA191)](#_Toc430695424)

[WATER RESOURCES](#_Toc430695425)

[Abstraction Reliability Cycle 1 (AfA420)](#_Toc430695426)

[Abstraction Statistics (ABSTAT) from 2000 onwards (AfA268)](#_Toc430695427)

[Aquifer Designation Map (Bedrock Geology) (AfA125)](#_Toc430695428)

[Aquifer Designation Map (Superficial Deposits) (AfA124)](#_Toc430695429)

[Catchment Abstraction Management Strategy Licensing Colours Cycle 1 (AfA419)](#_Toc430695430)

[Catchment Abstraction Management Strategy (CAMS) Reference boundaries (AfA182)](#_Toc430695431)

[Catchment Abstraction Management Strategy (CAMS) Technical Assessment boundaries (AfA009)](#_Toc430695432)

[Environmental Flow Indicator Cycle 1 (AfA418)](#_Toc430695433)

[Environmental Flow Indicator Cycle 2 (AfA444)](#_Toc430695434)

[Groundwater Safeguard Zones (AfA247)](#_Toc430695435)

[Hydropower Permits (AfA240)](#_Toc430695436)

[Impact of Groundwater Abstraction on River Flows spreadsheet tool (IGARF1 v.4) (AfA222)](#_Toc430695437)

[MODFLOW (non/drying) wet/dry method (AfA239)](#_Toc430695438)

[Natural Flows of Rivers Cycle 1 (AfA417)](#_Toc430695439)

[Natural Flows of Rivers Cycle 2 (AfA443)](#_Toc430695440)

[Nitrate Vulnerable Zones – Draft Boundaries 2011 (AfA169)](#_Toc430695441)

[Nitrate Vulnerable Zones (NVZ) – Eutrophic Waters (England) (AfA074)](#_Toc430695442)

[Nitrate Vulnerable Zones (NVZ) – Groundwater Monitoring Network (AfA071)](#_Toc430695443)

[Nitrate Vulnerable Zones (NVZ) – Groundwaters (England) (AfA072)](#_Toc430695444)

[Nitrate Vulnerable Zones (NVZ) – Surface Waters (England) (AfA073)](#_Toc430695445)

[Non Mains Drainage Groundwaters Consultation Areas (AfA048)](#_Toc430695446)

[Potential Sites of Hydropower Opportunity (AfA175)](#_Toc430695447)

[Potential Sites of Hydropower Opportunity – Filtered (AfA206)](#_Toc430695448)

[Source Protection Zones [Merged] (AfA029)](#_Toc430695449)

[Source Protection Zones (Individual) (AfA108)](#_Toc430695450)

[Water Abstractions (AfA135)](#_Toc430695451)

[Water Company Boundaries (AfA165)](#_Toc430695452)

[Water Resource Availability and Abstraction Reliability Cycle 2 (AfA445)](#_Toc430695453)

[Water Resource Zones (AfA167)](#_Toc430695454)

[WATER FRAMEWORK DIRECTIVE](#_Toc430695455)

[CAPTAIN Opportunistic Macroalgae WFD Classification Tool (AfA290)](#_Toc430695456)

[Coastal Water Phytoplankton WFD Classification Tool (AfA300)](#_Toc430695457)

[CUTLASS Phytoplankton WFD Classification Tool (AfA299)](#_Toc430695458)

[Infaunal Quality Index Calculator (AfA265)](#_Toc430695459)

[Infaunal Quality Index Classification Spreadsheet tool (AfA306)](#_Toc430695460)

[PIRATES Rocky Shores WFD Classification Tool (AfA289)](#_Toc430695461)

[SAILOR Seagrass WFD Classification Tool (AfA308)](#_Toc430695462)

[SKIPPER Saltmarsh WFD Classification Tool (AfA309)](#_Toc430695463)

[TREASURE Macroalgae WFD Classification Tool (AfA310)](#_Toc430695464)

[WFD Catchment Management Information England:](#_Toc430695465)

[RBDs and Catchments Cycle 2 (AfA295)](#_Toc430695466)

[Water Bodies Cycle 2 (AfA296)](#_Toc430695467)

[Water Body Classifications Cycle 2 (AfA297)](#_Toc430695468)

[Water Body Outcomes (AfA298)](#_Toc430695469)

[Investigations (AfA430)](#_Toc430695470)

[Reasons for Failure (AfA318)](#_Toc430695471)

[Actions and Measures (AfA096)](#_Toc430695472)

[WATER FRAMEWORK DIRECTIVE – CYCLE 1](#_Toc430695473)

[WFD Artificial Waterbodies: Canals (AfA093)](#_Toc430695474)

[WFD Artificial Waterbodies: Surface Water Transfer Channels (AfA094)](#_Toc430695475)

[WFD Coastal Waterbodies (AfA088)](#_Toc430695476)

[WFD Coastal Waterbody Classification and Status Review (AfA085)](#_Toc430695477)

[WFD Groundwaterbodies (AfA090)](#_Toc430695478)

[WFD Groundwaterbody Classification and Status Review (AfA087)](#_Toc430695479)

[WFD Groundwater Classification Status and Objectives Cycle 1 (AfA424)](#_Toc430695480)

[WFD Lake Waterbody Classification and Status Review (AfA084)](#_Toc430695481)

[WFD Lake Waterbodies (AfA083)](#_Toc430695482)

[WFD Management Catchments (AfA092)](#_Toc430695483)

[WFD Measures Cycle 1 (AfA218)](#_Toc430695484)

[WFD Monitoring Network (AfA091)](#_Toc430695485)

[WFD River Basin Districts (AfA081)](#_Toc430695486)

[WFD River Waterbodies (AfA079)](#_Toc430695487)

[WFD River Waterbody Catchments (AfA080)](#_Toc430695488)

[WFD River Waterbody Classification and Status Review (AfA082)](#_Toc430695489)

[WFD Rocky Shore Macroalgal Species (AfA129)](#_Toc430695490)

[WFD SSSI Ditches (AfA095)](#_Toc430695491)

[WFD Transitional (Estuarine) Waterbodies (AfA089)](#_Toc430695492)

[WFD Transitional (Estuarine) Waterbody Classification and Status Review (AfA086)](#_Toc430695493)

[WATER FRAMEWORK DIRECTIVE - CYCLE 2](#_Toc430695494)

[WFD Abstraction Risk Assessments 2012 to 2027 – Lakes (AfA303)](#_Toc430695495)

[WFD Abstraction Risk Assessments 2012 to 2027 – Rivers (AfA302)](#_Toc430695496)

[WFD Abstraction Risk Assessments 2012 to 2027 – Transitional (AfA304)](#_Toc430695497)

[WFD Classification Status Cycle 2 (AfA450)](#_Toc430695498)

[WFD Coastal Waterbodies Cycle 2 (AfA350)](#_Toc430695499)

[WFD Groundwater Bodies Cycle 2 Draft (AfA293)](#_Toc430695500)

[WFD Lake Waterbodies Cycle 2 (AfA349)](#_Toc430695501)

[WFD Management Catchments Cycle 2 (AfA433)](#_Toc430695502)

[WFD Operational Catchments Cycle 2 (AfA428)](#_Toc430695503)

[WFD River Basin Districts Cycle 2 (AfA432)](#_Toc430695504)

[WFD River WaterBodies Cycle 2 (AfA292)](#_Toc430695505)

[WFD River Waterbody Catchments Cycle 2 (AfA291)](#_Toc430695506)

[WFD Transitional Waterbodies Cycle 2 (AfA351)](#_Toc430695507)

[WFD River Waterbodies – DRN-based (AfA078)](#_Toc430695508)

[MISCELLANEOUS](#_Toc430695509)

[Administrative Boundaries (AfA015)](#_Toc430695510)

[Air Quality Modelling and Assessment Unit (AQMAU) Auditing Tool (AfA322)](#_Toc430695511)

[Air Quality Modelling and Assessment Unit (AQMAU) Screening Tool (AfA321)](#_Toc430695512)

[Ammonia Screening Tool (AfA323)](#_Toc430695513)

[Digital Land Utilisation Survey 1933-1949 (AfA213)](#_Toc430695514)

[Environment Agency Logo (AfA346)](#_Toc430695515)

[Environmental Quality Index (2010) (AfA170)](#_Toc430695516)

[GPS Survey Control Points (AfA033)](#_Toc430695517)

[Health Risk Screening Tool (AfA325)](#_Toc430695518)

[Introduction to Intellectual Property Management e-learning package (AfA258)](#_Toc430695519)

[Register of Issues of High Public Interest (AfA103)](#_Toc430695520)

[River Habitat Survey (AfA286)](#_Toc430695521)

[River Habitat Survey Details and Summary Results (AfA434)](#_Toc430695522)

[Spatial Data Transformers (AfA449)](#_Toc430695523)

[REMOTE SURVEY](#_Toc430695524)

[10cm - 50cm Colour (CR) Digital Aerial Photography (AfA141)](#_Toc430695525)

[10cm - 50cm Near Infrared (NIR) Digital Aerial Photography (AfA142)](#_Toc430695526)

[CASI and LIDAR Habitat Map (AfA439)](#_Toc430695527)

[CASI Multispectral Imagery (AfA461)](#_Toc430695528)

[Coastal Topographic Surveys (AfA463)](#_Toc430695529)

[Directional Waverider Buoy Data (AfA464)](#_Toc430695530)

[Dune Slack Likely Locations (AfA440)](#_Toc430695531)

[Elevation Change Product (AfA438)](#_Toc430695532)

[LIDAR Composites (AfA458)](#_Toc430695533)

[LIDAR Tiles (AfA457)](#_Toc430695534)

[TABI Thermal Airborne Imagery (AfA153)](#_Toc430695535)

[LIDAR Derived Vegetation Object Maps – JPEG (AfA246)](#_Toc430695536)

[LIDAR Derived Vegetation Object Maps – ESRI Binary Grid (AfA253)](#_Toc430695537)

[Multibeam Coastal Bathymetry (AfA459)](#_Toc430695538)

[Multibeam Riverine Bathymetry (AfA460)](#_Toc430695539)

[Major River Transect Surveys (AfA032)](#_Toc430695540)

### 

# BATHING WATERS

### 

### Areas Affecting Bathing Waters (AfA143)

|  |
| --- |
| **Description**  This dataset comprises a polygon relating to each site identified under the Bathing Water Directive (76/160/EEC); however these polygons have no formal status under the Bathing Water Directive.  Where a site corresponds to a Sensitive Area under the Urban Waste Water Treatment Directive (UWWTD) in England & Wales, the polygon for that Sensitive Area is provided.  For all other sites the polygon has been drawn as a simple guide to aid the work of the Environment Agency with permitting of discharges.  These polygons are not appropriate for identifying areas suitable for bathing. The polygons are not a definition of the extent of the bathing water under the Bathing Water Directives 76/160/EEC or 2006/7/EC and should not be used for any definition of the bathing water area or extent.  There are approximately 500 polygons in this dataset. This dataset is appropriate for technical assessment of waters where bathing potential is taken into account by the Environment Agency.  Please note there is also an alternative dataset that shows only the UWWTD Sensitive Areas (AfA250 Sensitive Areas - Bathing Waters).  **Issues to Note**  There are two other related layers which are held on the I: drive: One shows all the Bathing Water Directive Points. The other shows the Bathing Water Sensitive Areas under the UWWTD (Sensitive Areas – Bathing Waters (AfA250))  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BFC098918-7D6A-451D-B3AD-7A001021660C%7D>  **Update frequency**  Annual if required  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Directives Reporting  **Format Supplied**  Polygon shapefile  **Special Conditions**  None  **Information Warning**  These polygons have no formal status under the Bathing Water Directive.  These polygons are not appropriate for identifying areas suitable for bathing. The polygons are not a definition of the extent of the bathing water under the Bathing Water Directives 76/160/EEC or 2006/7/EC and should not be used for any definition of the bathing water area or extent.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shape | Geometry type = Polygon;  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| REF | Bathing water reference - Unique reference code used by DEFRA to identify all bathing waters | **Y** | **Y** | **Y** |
| DESIGNATIO | Type of designation of Protected Areas under WFD (‘Bathing Water Directive’ in every case’) | **Y** | **Y** | **Y** |
| SITE\_NAME | Name of the bathing water (under the Bathing Water Directive) | **Y** | **Y** | **Y** |
| COUNTRY | Description of country where the bathing water is located.(i.e. England or Wales) | **Y** | **Y** | **Y** |
| EA\_REG | The Environment Agency region where the bathing water is located (as at creation of this layer). | **Y** | **Y** | **Y** |
| EA\_AREA | The Environment Agency area where the bathing water is located (maintained as current) | **Y** | **Y** | **Y** |
| AUDIT | Comments relating to the creation and any edits to this record | **Y** | **Y** | **Y** |
| UWWT\_SA | Yes/No field to show whether this bathing water is designated a sensitive area under UWWT. | **Y** | **Y** | **Y** |
| UWWT\_D | The date of designation as a sensitive area under UWWT (if applicable) | **Y** | **Y** | **Y** |

### Bathing Water Quality at Designated Beaches (AfA012)

|  |
| --- |
| **Description**  Every week during the bathing season (15 May to 30 September), the Environment Agency takes samples from over 500 coastal and inland designated bathing waters. These samples are analysed against the standards laid out in the European Bathing Water Directive and published online. This data consists of: bathing water sites, site samples and site sample compliance.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B48E34B6B-2D63-424F-8004-54820C959900%7D](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B48E34B6B-2D63-424F-8004-54820C959900%7D%20)  **Update frequency**  Quarterly  **Supply frequency**  Fortnightly  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Database team  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warnings**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
|  | **Sample SitesTable** |  |  |  |
| SamplingPoint | Unique code for sampling point | **Y** | **Y** | **Y** |
| Region | Agency region reference number | **Y** | **Y** | **Y** |
| EC Region | EC region code | **Y** | **Y** | **Y** |
| Country | Country reference number | **Y** | **Y** | **Y** |
| Area | EA Area reference number (public face boundaries) | **Y** | **Y** | **Y** |
| County | County reference code | **Y** | **Y** | **Y** |
| District | District code | **Y** | **Y** | **Y** |
| GridRef | NGR for bathing water sample point | **Y** | **Y** | **Y** |
| Description | Name of bathing water site | **Y** | **Y** | **Y** |
| NCSX | Easting | **Y** | **Y** | **Y** |
| NCSY | Northing | **Y** | **Y** | **Y** |
| Lat | Latitude | **Y** | **Y** | **Y** |
| Long | Longitude | **Y** | **Y** | **Y** |
| BW Type | Bathing water type reference number | **Y** | **Y** | **Y** |
| ColourWaiver | Is there a colour waiver | **Y** | **Y** | **Y** |
| TranspWaiver | Is there a transparency waiver | **Y** | **Y** | **Y** |
| NUTS | NUTS code for the site | **Y** | **Y** | **Y** |
| New NUTS | New NUTS code for the site (1999 season) | **Y** | **Y** | **Y** |
| Des\_year | Year of designation | **Y** | **Y** | **Y** |
| De\_des\_year | Year of de-designation | **Y** | **Y** | **Y** |
| WIMS\_code | WIMS code | **Y** | **Y** | **Y** |
|  | **Bathing Water Samples Table** |  |  |  |
| SamplingPoint | Unique code for sampling point | **Y** | **Y** | **Y** |
| Region | Agency region reference number | **Y** | **Y** | **Y** |
| EC Region | EC region code | **Y** | **Y** | **Y** |
| Country | Country reference number | **Y** | **Y** | **Y** |
| Area | EA Area reference number (public face boundaries) | **Y** | **Y** | **Y** |
| County | County reference code | **Y** | **Y** | **Y** |
| District | District code | **Y** | **Y** | **Y** |
| GridRef | NGR for bathing water sample point | **Y** | **Y** | **Y** |
| Description | Name of bathing water site | **Y** | **Y** | **Y** |
| NCSX | Easting | **Y** | **Y** | **Y** |
| NCSY | Northing | **Y** | **Y** | **Y** |
| Lat | Latitude | **Y** | **Y** | **Y** |
| Long | Longitude | **Y** | **Y** | **Y** |
| BW Type | Bathing water type reference number | **Y** | **Y** | **Y** |
| ColourWaiver | Is there a colour waiver | **Y** | **Y** | **Y** |
| TranspWaiver | Is there a transparency waiver | **Y** | **Y** | **Y** |
| NUTS | NUTS code for the site | **Y** | **Y** | **Y** |
| New NUTS | New NUTS code for the site (1999 season) | **Y** | **Y** | **Y** |
| Des\_year | Year of designation | **Y** | **Y** | **Y** |
| De\_des\_year | Year of de-designation | **Y** | **Y** | **Y** |
| WIMS\_code | WIMS code | **Y** | **Y** | **Y** |
|  | **Bathing Water Compliance Table** |  |  |  |
| SamplingPoint | Sample Point code | **Y** | **Y** | **Y** |
| Year | Year sample taken | **Y** | **Y** | **Y** |
| NTCSamples | Number of Total Coliform samples | **Y** | **Y** | **Y** |
| NTCFailImp | Number of Total Coliform samples failing Imperative standards | **Y** | **Y** | **Y** |
| TCPImp | Site passes Total Coliform Imperative standards | **Y** | **Y** | **Y** |
| NTCfailG | Number of Total Coliform samples failing Guideline standards | **Y** | **Y** | **Y** |
| TCPG | Site passes Total Coliform Guideline standards | **Y** | **Y** | **Y** |
| TCMedian | Median of Total Coliform sample results | **Y** | **Y** | **Y** |
| TCGeoMean | Geometric mean of Total Coliform sample results | **Y** | **Y** | **Y** |
| TCMean | Mean of Total Coliform sample results | **Y** | **Y** | **Y** |
| TCMinInd | Indicator (<or>) for minimum of Total Coliform sample results | **Y** | **Y** | **Y** |
| TCMin | Minimum of Total Coliform sample results | **Y** | **Y** | **Y** |
| TCMaxInd | Indicator (<or>) for maximum of Total Coliform sample results | **Y** | **Y** | **Y** |
| TCMax | Maximum of Total Coliform sample results | **Y** | **Y** | **Y** |
| NFCSamples | Number of Faecal Coliform samples | **Y** | **Y** | **Y** |
| NFCFallImp | Number of Faecal Coliform samples failing Imperative standards | **Y** | **Y** | **Y** |
| FCPImp | Site passes Faecal Coliform Imperative standards | **Y** | **Y** | **Y** |
| NFCFailG | Number of Faecal Coliform samples failing Guideline standards | **Y** | **Y** | **Y** |
| FCPG | Site passes Faecal Coliform Guideline standards | **Y** | **Y** | **Y** |
| FCMedian | Median of Faecal Coliform sample results | **Y** | **Y** | **Y** |
| FCGeoMean | Geometric mean of Faecal Coliform sample results | **Y** | **Y** | **Y** |
| FCMean | Mean of Faecal Coliform sample results | **Y** | **Y** | **Y** |
| FCMinInd | Indicator (< or >) for minimum of Faecal Coliform sample results | **Y** | **Y** | **Y** |
| FCMin | Minimum of Faecal Coliform sample results | **Y** | **Y** | **Y** |
| FCMaxInd | Indicator (< or >) for maximum of Faecal Coliform sample results | **Y** | **Y** | **Y** |
| FCMax | Maximum of Faecal Coliform sample results | **Y** | **Y** | **Y** |
| NFSSamples | Number of Faecal Streptococci samples | **Y** | **Y** | **Y** |
| NFSFailG | Number of Faecal Streptococci samples failing Guideline standards | **Y** | **Y** | **Y** |
| FSPG | Site passes Faecal Streptococci Guideline standards | **Y** | **Y** | **Y** |
| FSMedian | Median of Faecal Streptococci sample results | **Y** | **Y** | **Y** |
| FSGeoMean | Geometric mean of Faecal Streptococci sample results | **Y** | **Y** | **Y** |
| FSMean | Mean of Faecal Streptococci sample results | **Y** | **Y** | **Y** |
| FSMinInd | Indicator (<or>) for minimum of Faecal Streptococci sample results | **Y** | **Y** | **Y** |
| FSMin | Minimum of Faecal Streptococci sample results | **Y** | **Y** | **Y** |
| FSMaxInd | Indicator (<or>) for maximum of Faecal Streptococci sample results | **Y** | **Y** | **Y** |
| FSMax | Maximum of Faecal Streptococci sample results | **Y** | **Y** | **Y** |
| Compliance | Compliance status for the year | **Y** | **Y** | **Y** |
| WeatherWaiver | Abnormal weather waiver was applied for one or more samples in the year | **Y** | **Y** | **Y** |

### iPhone Bathing Waters Application (AfA201)

|  |
| --- |
| **Description**  iPhone Bathing Waters Application informs the public of bathing water quality for England and Wales. The application has the ability to provide the following information:  1. Date of the most recent water quality sample for chosen sample point and the water quality status of chosen sample point;  2. Annual rating for chosen sample point;  3. Yearly water quality trend for chosen sample point.  **Issues to Note**  AfA is for the application not the data it supplies.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B0CFE9694-7E9C-4662-B254-297232384DD2%7D>  **Update frequency**  No updates  **Supply frequency**  One-off supply  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  iPhone application  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| iApp for bathing waters | Software application for iphone | **Y** | **Y** | **Y** |

### Sensitive Areas – Bathing Waters (AfA250)

|  |
| --- |
| **Description**  This dataset is a shapefile showing the extent of Urban Wastewater Treatment Directive (UWWTD) sensitive areas (bathing waters) in England and Wales.  The Urban Wastewater Treatment Directive (91/271/EEC) regulates the collection and treatment of waste water from homes and from industry. In the UK, the directive is implemented through the Urban Wastewater Treatment regulations 1994.  Under these regulations, water bodies where treatment more stringent than secondary is necessary to fulfil the requirements of the Bathing Waters Directive should be designated as sensitive areas by Defra or by Welsh Government as appropriate.  This dataset consists of:   * Bwater\_SAs\_04122012.shp - shows areas currently designated as UWWTD bathing water sensitive areas   **Issues to Note**  This dataset contains only bathing water UWWTD sensitive areas. Eutrophic, Nitrate and Shellfish Water UWWTD sensitive areas exist as separate datasets.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={BE736AC0-E887-4EB0-90BE-C1BEB319D801}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bBE736AC0-E887-4EB0-90BE-C1BEB319D801%7d)    **Update frequency**  Four-yearly  **Supply frequency**  As produced  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  National Data Team  Available on DataShare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Shapefile of Sensitive Areas - Bathing Waters (Bwater\_SAs\_04122012.shp)** | | | | |
| shapefile |  | **Y** | **Y** | **Y** |
| FID | Primary key | **Y** | **Y** | **Y** |
| Shape | Type of dataset | **Y** | **Y** | **Y** |
| REF | Unique bathing water reference code | **Y** | **Y** | **Y** |
| DESIGNATIO | Type of designation | **Y** | **Y** | **Y** |
| SITE\_NAME | Name of sensitive area | **Y** | **Y** | **Y** |
| AGENCY\_REG | Environment Agency Region | **Y** | **Y** | **Y** |
| AGENCY\_ARE | Environment Agency Area | **Y** | **Y** | **Y** |
| RBD | River Basin District | **Y** | **Y** | **Y** |
| EASTINGS | Eastings | **Y** | **Y** | **Y** |
| NORTHINGS | Northings | **Y** | **Y** | **Y** |
| DATE\_DESIG | Date of designation of sensitive area | **Y** | **Y** | **Y** |

# BIODIVERSITY

### Angling Guide Database 2011 (AfA235)

**Description**

The Angling Guide database comprises approx 2000 records of private fisheries across England and Wales in 2011. Each of these private fisheries has public access, i.e. permits are available or club membership is available and there is no waiting list. Each record includes:

• Location;

• Contact information;

• Information on the type of fishery.

The Environment Agency stopped updating this dataset in 2011. Updated versions are available from the Angling Trust.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

http://gis-easimap.ea.gov/eametadataexplorer/document?id={3A1F16C7-12D1-4E43-8705-3874C41F316B}&view=fullHtml

**Update frequency**

Ad hoc

**Supply frequency**

Quarterly

**Third Party Prior Rights**

None

**Data Contact / Supply**

Available on DataShare

**Format Supplied**

MS Access database or MS Excel Spreadsheet

**Special Conditions**

None

**Information Warning**

S117 Drafting Instruction applicable when we supply the Angling Guide database

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Pond\_ID | Fishery venue reference number | **Y** | **Y** | **Y** |
| Region\_Main | Environment Agency region where the venue is located | **Y** | **Y** | **Y** |
| Region\_Sub | Environment Agency area where the venue is located | **Y** | **Y** | **Y** |
| Fishery\_Name | Name of the venue (provided by owner) | **Y** | **Y** | **Y** |
| River\_Canal\_Name | Name of river or canal if applicable (provided by owner) | **Y** | **Y** | **Y** |
| Nearest\_Town | Nearest town to venue (provided by owner) | **Y** | **Y** | **Y** |
| Nearest\_County | County where venue is located (provided by owner) | **Y** | **Y** | **Y** |
| Fishery\_Stocked | Whether the fisheries is actively stocked (provided by owner | **Y** | **Y** | **Y** |
| Size\_stillwater\_hectares | If a stillwater, the size in hectares (provided by owner) | **Y** | **Y** | **Y** |
| Size\_river\_kilometer | If a river, the stretch of river the fishery occupies in km (provided by owner) | **Y** | **Y** | **Y** |
| Gishery\_NGR | 6NGR location grid reference (confirmed with owner) | **Y** | **Y** | **Y** |
| Description\_of\_Location | Description of location (provided by owner) | **Y** | **Y** | **Y** |
| Species\_1 | Fish species present to catch (provided by owner). | **Y** | **Y** | **Y** |
| Species\_2 | Fish species present to catch (provided by owner) | **Y** | **Y** | **Y** |
| Species\_3 | Fish species present to catch (provided by owner) | **Y** | **Y** | **Y** |
| Species\_4 | Fish species present to catch (provided by owner) | **Y** | **Y** | **Y** |
| Species\_5 | Fish species present to catch (provided by owner) | **Y** | **Y** | **Y** |
| Fishery\_Type | Whether coarse or game (provided by owner) | **Y** | **Y** | **Y** |
| Type\_of\_Water | Type of water – lake, reservoir, river, canal, etc (provided by owner) | **Y** | **Y** | **Y** |
| Fac\_disabled | Whether the venue has disabled facilities (provided by owner) | **Y** | **Y** | **Y** |
| Restr\_fly\_only | Whether fishing is restricted to fly fishing only (provided by owner) | **Y** | **Y** | **Y** |
| Fac\_boat\_hire | Whether boats are available for hire (provided by owner) | **Y** | **Y** | **Y** |
| Permit\_Avail | The type of permit available – day, week, season permits or membership (provided by owner) | **Y** | **Y** | **Y** |
| Permit\_contact\_Title | Contact title for permits (if provided by owner) | **Y** | **Y** | **Y** |
| Permit\_contact\_FN | Contact first name for permits (if provided by owner) | **Y** | **Y** | **Y** |
| Permit\_contact\_Sur | Contact surname for permits (if provided by owner) | **Y** | **Y** | **Y** |
| Contact Telephone | Contact telephone number for the fishery (if provided by owner) | **Y** | **Y** | **Y** |
| Contact Email | Contact email address for the fishery (if provided by owner) | **Y** | **Y** | **Y** |
| Contact website | Fishery website, if available (if provided by owner) | **Y** | **Y** | **Y** |
| Permit\_other | Other information on permit availability (if provided by owner) | **Y** | **Y** | **Y** |
| Permit\_Angling\_Club | Which angling club grants permits for fishing at the venue, if applicable (if provided by owner) | **Y** | **Y** | **Y** |
| Hidden\_title | Contact details of person providing the data – title (provided by owner) | **N** | **N** | **N** |
| Hidden\_FN | Contact details of person providing the data – first name (provided by owner) | **N** | **N** | **N** |
| Hidden\_Sur | Contact details of person providing the data – surname (provided by owner) | **N** | **N** | **N** |
| Hidden\_company | Contact details of person providing the data – organisation (provided by owner) | **N** | **N** | **N** |
| Hidden\_add1 | Contact details of person providing the data – address 1 (provided by owner) | **N** | **N** | **N** |
| Hidden\_add2 | Contact details of person providing the data – address 2 (provided by owner) | **N** | **N** | **N** |
| Hidden\_add3 | Contact details of person providing the data – address 3 (provided by owner) | **N** | **N** | **N** |
| Hidden\_town | Contact details of person providing the data – town (provided by owner) | **N** | **N** | **N** |
| Hidden\_county | Contact details of person providing the data – county (provided by owner) | **N** | **N** | **N** |
| Hidden\_postcode | Contact details of person providing the data – postcode (provided by owner) | **N** | **N** | **N** |
| Hidden\_tel | Contact details of person providing the data – telephone number (provided by owner) | **N** | **N** | **N** |
| Hidden\_email | Contact details of person providing the data – email (provided by owner) | **N** | **N** | **N** |
| Updated during 2006 | Whether record last updated in 2006 (provided by Agency) | **Y** | **Y** | **Y** |
| Updated 2007 | Whether record last updated in 2007 (provided by Agency) | **Y** | **Y** | **Y** |
| Updated 2008 | Whether record last updated in 2008 (provided by Agency) | **Y** | **Y** | **Y** |
| Updated 2009 | Whether record last updated in 2009 (provided by Agency) | **Y** | **Y** | **Y** |
| New 2007 | Whether record was produced in 2007 (provided by Agency) | **Y** | **Y** | **Y** |
| New 2008 | Whether record was produced in 2008 (provided by Agency) | **Y** | **Y** | **Y** |
| New 2009 | Whether record was produced in 2009 (provided by Agency) | **Y** | **Y** | **Y** |
| Updated 2010 | Whether record last updated in 2010 (provided by Agency) | **Y** | **Y** | **Y** |
| New 2010 | Whether record was produced in 2010 (provided by Agency) | **Y** | **Y** | **Y** |
| Updated 2011 | Whether record last updated in 2011 (provided by Agency) | **Y** | **Y** | **Y** |
| New 2011 | Whether record was produced in 2011 (provided by Agency) | **Y** | **Y** | **Y** |
| Notes | Additional notes on contact details (provided by Agency; not for release) | **N** | **N** | **N** |
| Date of Creation/Amendment | Data record was created/last amended (provided by Agency) | **Y** | **Y** | **Y** |

### Catchment Walkovers (AfA431)

**Description**

Catchment walkovers are systematic visual surveys of a catchment by walking. The data identifies information on a large range of pressures on a catchment (e.g. point source, diffuse source pollution, hydromorphology).

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={D4F18B4F-624A-4A5D-82EE-830ADD675B06}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bD4F18B4F-624A-4A5D-82EE-830ADD675B06%7d)

**Update frequency**

Frequent

**Supply frequency**

Quarterly

**Third Party Prior Rights**

None

**Data Contact / Supply**

Available on DataShare

**Format Supplied**

MS Excel Spreadsheet

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Survey ID | Reference number of survey | **Y** | **Y** | **Y** |
| Survey Name | Waterbody name | **Y** | **Y** | **Y** |
| Survey Type Number | EA team which carried out survey (Fisheries, or Environment Management) | **Y** | **Y** | **Y** |
| WBID | Reference number of river reach | **Y** | **Y** | **Y** |
| GB Code | Water Framework Directive Water Body ID | **Y** | **Y** | **Y** |
| River Name |  | **Y** | **Y** | **Y** |
| Area | Environment Agency Area | **Y** | **Y** | **Y** |
| Date | Date of survey | **Y** | **Y** | **Y** |
| Time | Time of survey | **Y** | **Y** | **Y** |
| Category | Severity category   * 1 - MAJOR impacts over 1km * 2 - SIGNIFICANT impacts over 100m’s * 3 - LOCALISED and LIMITED impacts less than 100m * 4 - POTENTIAL for regular and persistent transport of pollutants indicating a high risk of impact, but none observed at the time of inspection | **Y** | **Y** | **Y** |
| Source Activity | Source of issue e.g.   * INNS (Invasive Non-Native Species) * Livestock field * Hydromorphological condition | **Y** | **Y** | **Y** |
| Landuse | Type of landuse): e.g. ’rough/unimproved grassland/pasture’ | **Y** | **Y** | **Y** |
| Erosional Feature | e.g.   * Eroding cliff * Exposed bedrock and boulders * Stable cliff * N/A | **Y** | **Y** | **Y** |
| Depositional Feature | e.g.   * Island * Mid channel bars | **Y** | **Y** | **Y** |
| Tree Cover | e.g.   * Continuous * Isolated | **Y** | **Y** | **Y** |
| Crop Type | e.g.:   * Brassica * N/A | **Y** | **Y** | **Y** |
| Source Type | Source of problem e.g.:   * N/A * Unknown * Abandoned mines * Contaminated Land * Domestic and residential (including misconnections) * Farmyard Runoff | **Y** | **Y** | **Y** |

### Chalk Rivers (AfA429)

**Description**

This is a low resolution indicative trace of chalk rivers and streams created from OS maps.

Chalk rivers are recognised as a priority habitat for protection under the UK Biodiversity Action Plan.

Please note that this content contains Ordnance Survey data © Crown copyright and database right (2004). and you must ensure that a similar attribution statement is contained in any sub-licences of the Information that you grant, together with a requirement that any further sub-licences do the same.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={3D159C2C-274E-4346-A855-90E2722D421D}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b3D159C2C-274E-4346-A855-90E2722D421D%7d)

**Update frequency**

Not updated

**Supply frequency**

One-off

**Third Party Prior Rights**

None

**Data Contact / Supply**

Available on DataShare

**Format Supplied**

Polyline Shapefile

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shapefile | Polyline | **Y** | **Y** | **Y** |
| FID | Internal reference number | **Y** | **Y** | **Y** |
| Shape | Polyline in every case | **Y** | **Y** | **Y** |
| ID | Sequential reference number | **Y** | **Y** | **Y** |
| Name | Name of river | **Y** | **Y** | **Y** |
| Copyrights | ‘Digitised from the Ordnance Survey 1:50,000 Landranger series’ | **Y** | **Y** | **Y** |
| Length\_\_M\_ | Length of river as digitised | **Y** | **Y** | **Y** |

### 

### Freshwater and Marine Biological Surveys England (AfA307)

|  |
| --- |
| **Description**  The Environment Agency undertakes freshwater and marine biological monitoring in England. Freshwater and Marine Biological Surveys England is a large dataset containing taxonomic level species data for biological surveys carried out in freshwater and marine environments. Species surveys include:  • Invertebrate, algal and macrophyte surveys in rivers and still waters;  • Marine macro-invertebrate, algal, macrophyte and seagrass data.  **Issues to Note**  This is more commonly known as BIOSYS  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B715FC065-A6D0-48D5-931F-D67036D8249A%7D>  **Update frequency**  Daily  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Microsoft Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| River or Waterbody Name | Name of river or waterbody where sample was taken | **Y** | **Y** | **Y** |
| Site/Station Name | Name of site/station where sample is taken | **Y** | **Y** | **Y** |
| Site ID | Site identification number | **Y** | **Y** | **Y** |
| NGR | National Grid Reference – 10 figure | **Y** | **Y** | **Y** |
| Region | Environment Agency region | **Y** | **Y** | **Y** |
| Area | Environment Agency area | **Y** | **Y** | **Y** |
| Sample ID | Sample identification | **Y** | **Y** | **Y** |
| Sample Date | Date sample taken | **Y** | **Y** | **Y** |
| Sample Type | Type of sample, e.g. freshwater, macroinvertebrate | **Y** | **Y** | **Y** |
| Sample Method | Method used to collect samples, e.g. 3 min pond net | **Y** | **Y** | **Y** |
| Calendar Year (Sample Taken) | Calendar year in which sample taken | **Y** | **Y** | **Y** |
| Calendar Month (Sample Taken) | Calendar month in which sample taken | **Y** | **Y** | **Y** |
| Analysis Id | Analysis identification number | **Y** | **Y** | **Y** |
| Analysis Type | Type of analysis used to analyse sample, e.g. analysed in laboratory by primary analyst | **Y** | **Y** | **Y** |
| Present | Species present recorded | **Y** | **Y** | **Y** |
| Biotic indices | Indices generated from taxon presence and abundance data | **Y** | **Y** | **Y** |
| Measure of individual species | Number or count of actual or estimated number of species | **Y** | **Y** | **Y** |

### Habscore (AfA455)

|  |
| --- |
| **Description**  HABSCORE is an application/system for measuring and evaluating stream salmonid (e.g. salmon and trout) habitat features. It is based on a statistical analysis of the population size of five salmonid species/age combinations (0+ salmon; >0+ salmon; 0+ trout; >0+ trout <20cm; and >0+ trout >20cm) in relation to observed habitat variables.  The manuals that accompany the software are not up to date and you are responsible for ensuring it is compatible with your operating system.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  **Update frequency**  N/A  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**  Monitoring Technical Services/Monitoring, Analysis and Innovation/Evidence Directorate  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Habscore software | This software is a custom package written within the Borland Delphi (v1) programming language and running under Windows 7. | **Y** | **Y** | **Y** |

### Inland Waters – Where to Fish (AfA121)

|  |
| --- |
| **Description**  The where to fish guide data provides information on where people can fish in their area. It provides information on the type of fish present at each area, the type of fishing supported as well as relevant restrictions on fishing at the site.  In addition to providing the location of the fishery, directions are provided as well as contact details for each angling club active at the site.  **Issues to Note**  This dataset has been superseded by AfA235.  **AfA Category**  AfA (Publication Scheme)  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  The data has been collected through a questionnaire where it has been stated that the data “…will be stored on a database and all or part of it will be used to publish the guide and may appear on different websites on the Internet”. Some limited licence requests may be OK, but must be checked by the Information Law unit. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| WTGF Number | Where to fish guide identifier | **Y** | **Y** | **N** |
| Ref Number (EA Use Only) | Environment Agency reference number | **Y** | **Y** | **N** |
| Region | Environment Agency Region | **Y** | **Y** | **N** |
| Area | Environment Agency Area | **Y** | **Y** | **N** |
| Fishery Name | Name of fishery. | **Y** | **Y** | **N** |
| Water Type | Water type e.g. Still Water | **Y** | **Y** | **N** |
| Directions | Brief directions on how to find fishery. | **Y** | **Y** | **N** |
| Nearest Town | Nearest town to fishery. | **Y** | **Y** | **N** |
| Nearest County | County where fishery is located. | **Y** | **Y** | **N** |
| Type of Fishery | Type of fishery e.g. Coarse, Game etc. | **Y** | **Y** | **N** |
| Species 1 | Top five fish species present | **Y** | **Y** | **N** |
| Species 2 |  | **Y** | **Y** | **N** |
| Species 3 |  | **Y** | **Y** | **N** |
| Species 4 |  | **Y** | **Y** | **N** |
| Species 5 |  | **Y** | **Y** | **N** |
| Disabled Facilities | Whether disabled facilities are available at the fishery [Yes/No]. | **Y** | **Y** | **N** |
| Fly Restriction | Fly fishing restrictions [Yes/No]. | **Y** | **Y** | **N** |
| Contact Angling Club | Name of Angling club | **Y** | **Y** | **N** |
| Contact Title | Fishery contact details: Title | **Y** | **Y** | **N** |
| Contact First Name | Fishery contact details: Name | **Y** | **Y** | **N** |
| Contact Surname | Fishery contact details: Surname | **Y** | **Y** | **N** |
| Contact telephone | Fishery contact details: Telephone number | **Y** | **Y** | **N** |
| Contact Email | Fishery contact details: Email address | **Y** | **Y** | **N** |
| Contact website | Fishery contact details: Website | **Y** | **Y** | **N** |
| Other Contact Details | Alternative contact [Address, Name or email] | **Y** | **Y** | **N** |
| Grid ref | National Grid Reference. | **Y** | **Y** | **N** |
| E | Easting grid reference. | **Y** | **Y** | **N** |
| N | Northing grid reference. | **Y** | **Y** | **N** |

### Marine Benthic Invertebrate Species (AfA130)

|  |
| --- |
| **Description**  Information regarding the presence, and abundance, of benthic invertebrate species at specific marine monitoring points held within the Environment Agency’s BIOSYS database (our main database for storing, manipulating and reporting data from freshwater and marine biological surveys at any taxonomic level) and Water Framework Directive marine benthic invertebrate database.  Data are laboratory assessed and quality assured following the National Marine Biological Analytical Quality Control (NMBAQC) scheme.  National databases are continually being updated as a result of ongoing benthic invertebrate monitoring programmes.  The extracted data is a subset of the full dataset and only includes data collected/owned by the Environment Agency.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B28DA9102-353F-46A6-8BE6-2DE50208C781%7D>  **Update frequency**  Daily  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Name | Name of biological quality element – in this case ‘macrobenthic’ (which is a term that describes benthic invertebrates) | **Y** | **Y** | **Y** |
| Survey code | Unique survey code | **Y** | **Y** | **Y** |
| Title | Free text field used to describe the survey | **Y** | **Y** | **Y** |
| Details | Free text field that can be used to make further notes re the survey | **Y** | **Y** | **Y** |
| Source Name | Owner of the survey. (As these data are all EA data, this is used to indicate which EA Area or Region initiated the survey) | **Y** | **Y** | **Y** |
| Station Code | Unique station code | **Y** | **Y** | **Y** |
| bmk\_SeaArea | Code to identify the sea area in which sites are located | **Y** | **Y** | **Y** |
| Area Name | Name of Sea Area in which the sites are located (text to match bmk\_SeaArea code) | **Y** | **Y** | **Y** |
| Latitude | Location of sampling point as Easting or Latitude | **Y** | **Y** | **Y** |
| Longitude | Location of sampling point as Northing or Longitude | **Y** | **Y** | **Y** |
| Sample Code | Identifies replicate (eg A, B, C) taken at the station at that sampling occasion | **Y** | **Y** | **Y** |
| Date Taken | Date that sample was taken in the field | **Y** | **Y** | **Y** |
| SampleFull | Description of sample method type eg Day Grab used to take the sample | **Y** | **Y** | **Y** |
| Sieve Mesh | Defines size of mesh used to sieve biological sample | **Y** | **Y** | **Y** |
| Taxon name | Species found in the sample (identified in the laboratory) | **Y** | **Y** | **Y** |
| NumInd | Abundance of each identified species from sample | **Y** | **Y** | **Y** |

### National Fish Population Database (AfA347)

|  |
| --- |
| **Description**  The National Fish Population Database (NFPD) consists of information collected from fisheries monitoring work on rivers, lakes and transitional and coastal waters (TraC). The NFPD contains data for England and Wales.  The information includes:  • Site details - including location and dimensions;  • Survey details - including sampling methods and strategies;  • Catch details - raw data for fish either individually or grouped by species and size/age;  • Programme compliance and survey scheduling.  Typical outputs for both individual and grouped surveys (reaches) include:  • Species-specific and total counts (with weights when available);  • Population size and/or age structure by species.  **Issues to Note**  NRW data from April 1st 2013 is not part of this AfA and therefore not open data. NRW will need to issue its own licence for this data.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={D65E2B64-C0F7-4574-BD9D-93ADFEA8C433}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bD65E2B64-C0F7-4574-BD9D-93ADFEA8C433%7d)  **Update frequency**  Daily  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Microsoft Excel or a tab delimited text file (for large extracts only)  **Special Conditions**  None  **Information Warning**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Attributes applicable for surveys carried out in rivers, lakes and TraC (Transitional & Coastal) waters** | | | | |
| Country | Country where the monitoring site is located, e.g. England, Wales, Scotland (border) | **Y** | **Y** | **Y** |
| River Basin District | Name of the Water Framework Directive River Basin District where monitoring site is located | **Y** | **Y** | **Y** |
| EA Region | Environment Agency region name where monitoring site is located (available for all FW sites but not all TraC sites) | **Y** | **Y** | **Y** |
| EA Area | Environment Agency Area where monitoring site is located (available for all FW sites but not all TraC sites) | **Y** | **Y** | **Y** |
| Report Date | Date of data export from NFPD | **Y** | **Y** | **Y** |
| Abc Site | NFPD Site Hierarchy String | **Y** | **Y** | **Y** |
| WFDWaterbody | Water Framework Directive waterbody name within which the site is located | **Y** | **Y** | **Y** |
| Waterbody ID | Water Framework Directive water body ID within which the site is located | **Y** | **Y** | **Y** |
| Top Tier Site | NFPD Top Tier Site | **Y** | **Y** | **Y** |
| Site Parent Name | NFPD Site Parent Name. | **Y** | **Y** | **Y** |
| Site ID | System generated number giving a unique ID to the site | **Y** | **Y** | **Y** |
| Site Name | Name of the survey site | **Y** | **Y** | **Y** |
| Survey ID | System generated number giving a unique ID to the survey | **Y** | **Y** | **Y** |
| Event Date | Date the survey was undertaken | **Y** | **Y** | **Y** |
| Event Date Year | Year in which the Survey was undertaken | **Y** | **Y** | **Y** |
| Survey Ranked NGR | 10 figure national grid reference | **Y** | **Y** | **Y** |
| Survey Ranked Easting | Easting of the survey location (same ranking mechanism as for NGR above) | **Y** | **Y** | **Y** |
| Survey Ranked Northing | Northing of the survey location (same ranking mechanism as for NGR above) | **Y** | **Y** | **Y** |
| Survey Length | The length of the survey site in metres (m) (available for all river surveys, but only for some lake and TraC surveys) | **Y** | **Y** | **Y** |
| Survey Width | The average wetted width of the survey site (m) i.e. full width of the channel covered in water, which includes water lying under overhanging vegetation. It does not mean the width actually fished, available for all river surveys, but only for some lake and TraC surveys). | **Y** | **Y** | **Y** |
| Survey Area | The area of the survey site (m2) ( available for all river and lake surveys, but only some TraC surveys) | **Y** | **Y** | **Y** |
| Survey times | The time taken to complete the survey (mins or hrs:mins) (only available for certain survey methods and strategies) | **Y** | **Y** | **Y** |
| Survey method | The method used to undertake the survey, e.g. seine netting | **Y** | **Y** | **Y** |
| Survey strategy | The catch strategy used to undertake the survey e.g. single catch sample | **Y** | **Y** | **Y** |
| No of Runs | The total number of runs (removals) undertaken by the survey | **Y** | **Y** | **Y** |
| Run number | The number of the survey run (removal) e.g Run 2 is the second removal for that survey | **Y** | **Y** | **Y** |
| Species Id | System generated number giving a unique ID to the species, lifestage or variety | **Y** | **Y** | **Y** |
| Equivalent species Id | Species where lifestages or varieties have been added together to give an overall figure for the species itself, rather than individual figures for each of the lifestages. It is most commonly used for eel and lamprey. | **Y** | **Y** | **Y** |
| Latin Name | Scientific name of the fish species | **Y** | **Y** | **Y** |
| Species Name | Common name of the fish species, lifestage or variety | **Y** | **Y** | **Y** |
| LW Measured Total | Total number of fish (of each species) that were recorded as individually measured fish | **Y** | **Y** | **Y** |
| Banded Measured Total | Total number of fish (of each species) that were recorded as banded measured fish | **Y** | **Y** | **Y** |
| Counted Fish Total | Total number of fish (of each species) that were recorded as counted fish | **Y** | **Y** | **Y** |
| Fish Count or Total Count (all runs) | Total number of fish (of each species) caught by the survey (all runs, recording methods, combined) | **Y** | **Y** | **Y** |
| Fish length | Measured in mm. (These are the LW Measured fish) | **Y** | **Y** | **Y** |
| Start Length | Banded measurements of fish are sometimes recorded when large numbers of fish are captured and cannot all be measured individually, so e.g the number of fish between 55 to 59mm would be recorded.  Start length (mm) in this case would be 55mm | **Y** | **Y** | **Y** |
| End Length | End length (mm) in this case would be 59mm | **Y** | **Y** | **Y** |
| Abundance Observed | Fish (of each species) observed by the survey, but recorded on a log abundance scale only. | **Y** | **Y** | **Y** |
| WIMS sample point code | The WIMS reference to link to water quality data from the fish survey which is held in the WIMS database (not available for all surveys). | **Y** | **Y** | **Y** |
| Zero Catch | A Yes / No indicator to show if the survey caught any fish. A ‘yes’ indicates that the survey was carried out but there were no fish (i.e Zero Catch) | **Y** | **Y** | **Y** |
| Species selective | A Yes / No indicator to show if the survey used methods specifically targeting one species and therefore cannot produce accurate results for all species. | **Y** | **Y** | **Y** |
| Survey Status | The status of the survey. When data entry for a survey is complete and checked, the status is recorded as completed. | **Y** | **Y** | **Y** |
| Constrained | A Yes / No indicator to show if the survey has a data constraint applied to it, i.e. data quality constrained by physical sampling circumstances. | **Y** | **Y** | **Y** |
| Data Origin | The organisation that collated the data | **Y** | **Y** | **Y** |
| **Attributes applicable for Freshwater surveys only** | | | | |
| Location name | Name of the Environment Agency Area/Natural Resources Wales area in which the data were collected. Location of the monitoring site. | **Y** | **Y** | **Y** |
| Fished Width | The actual width of river fished (m) (applicable only to part width survey strategies) | **Y** | **Y** | **Y** |
| Fished Area | The fished area (m2) (length x fished width) of the survey site (applicable only to part width survey strategies) | **Y** | **Y** | **Y** |
| Part Width Is Representative | A Yes / No indicator to show if the catch is considered to be representative of all species present (applicable only to part width survey strategies) | **Y** | **Y** | **Y** |
| Run 2 | Number of fish (of each species) caught by the 2nd removal | **Y** | **Y** | **Y** |
| Run 3 | Number of fish (of each species) caught by the 3rd removal | **Y** | **Y** | **Y** |
| Run 4 | Number of fish (of each species) caught by the 4th removal | **Y** | **Y** | **Y** |
| Run 5 | Number of fish (of each species) caught by the 5th removal | **Y** | **Y** | **Y** |
| Run 6 | Number of fish (of each species) caught by the 6th removal | **Y** | **Y** | **Y** |
| Band | The age band of fish, e.g. 0+ fish in first full year of life; 1+ fish in second full year of full life; >1+ minimum possible age of fish; a hyphen signifies all ages combined. | **Y** | **Y** | **Y** |
| Weight | The weight of an individual fish (g), recorded by direct measurement to the maximum level of accuracy available. | **Y** | **Y** | **Y** |
| Total (Age) Nos (All Runs) | The total number of fish at (age) caught by the survey (by species). | **Y** | **Y** | **Y** |
| Run 1 (Age) | The number of fish at (age) caught by the first run of the survey (by species). | **Y** | **Y** | **Y** |
| Run 2 (Age) | The number of fish at (age) caught by the second run of the survey (by species). | **Y** | **Y** | **Y** |
| Run 3 (Age) | The number of fish at (age) caught by the third run of the survey (by species). | **Y** | **Y** | **Y** |
| Run 4 (Age) | The number of fish at (age) caught by the fourth run of the survey (by species). | **Y** | **Y** | **Y** |
| Run 5 (Age) | The number of fish at (age) caught by the fifth run of the survey (by species). | **Y** | **Y** | **Y** |
| Run 6 (Age) | The number of fish at (age) caught by the sixth run of the survey (by species). | **Y** | **Y** | **Y** |
| **Attributes applicable for TraC surveys only** | | | | |
| BMC Area | British Marine Census Area where applicable e.g. Portland where monitoring site is located | **Y** | **Y** | **Y** |
| Trawl Distance | In metres. Applicable when a trawl net is the chosen survey method. | **Y** | **Y** | **Y** |
| Trawl Direction (mag) | Trawl Direction (0-359o) as a magnetic bearing. Applicable when a trawl net is the chosen survey method. | **Y** | **Y** | **Y** |
| Site Parent Ranked NGR | 10 figure national grid reference for the site parent (ranked in the same way as survey ranked NGR above) | **Y** | **Y** | **Y** |
| Sample Code | An optional alphanumeric code used to distinguish between multiple surveys at one site and on one day | **Y** | **Y** | **Y** |
| TraC sample season | Describes whether the survey was a spring (January to July) or autumn (August to December) survey | **Y** | **Y** | **Y** |
| Site Ecotype | The TraC site Ecotype | **Y** | **Y** | **Y** |

### Otter Survey Data 1977-2010 (AfA224)

**Description**

Four national otter surveys have been completed for England and Wales in 1977-79, 1984-86, 1991-94 and 2000-02. The fifth completed in 2009-10 is only available for England.

Two field survey techniques are used – full surveys for sites investigated in previous national surveys and spot-checks for all the alternate 50km squares not covered in previous surveys.

Droppings (spraints) and footprints are the positive signs. Spot checks are made for up to 10 locations within the survey square.

The presence of mink is also recorded but this is only included as part of the more detailed otter survey.

Further details are available at: <http://www.environment-agency.gov.uk/homeandleisure/wildlife/110740.aspx>

**Issues to Note**

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B0A5D1B52-B4B5-44D0-84E1-DC120B0CAC55%7D>

**Update frequency**

5 Years (if funding available)

**Supply frequency**

N/A

**Third Party Prior Rights**

None

**Data Contact / Supply**

Available on DataShare

**Format Supplied**

Excel spreadsheet

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| ~~Block~~ | ~~Survey block reference assigned block (delete for external)~~ | **~~Y~~** | **~~Y~~** | **~~Y~~** |
| Site No | Survey site reference number | **Y** | **Y** | **Y** |
| Region | Water Authority (1975 – 1989) region the site survey is located | **Y** | **Y** | **Y** |
| Grid Ref | Survey start grid reference, from original 1977 survey | **Y** | **Y** | **Y** |
| GPS Grid Ref Start | GPS reference at the start of the survey 2009-10 | **Y** | **Y** | **Y** |
| ~~Recorder~~ | ~~Volunteer’s name who carried out the survey~~ | **N** | **N** | **N** |
| ~~Recorder Initials~~ | ~~Volunteer’s initials~~ | **N** | **N** | **N** |
| Site Name | Name attributed to the site [based on geography] | **Y** | **Y** | **Y** |
| Date of visit | Date of visit | **Y** | **Y** | **Y** |
| Otters present (P/N) | Present (Positive) or Not (Negative) There is also a null value of ‘O’ where a survey was not carried out. | **Y** | **Y** | **Y** |
| Distance surveyed (and details) | Distance surveyed from start point and additional details, such as side of bank. | **Y** | **Y** | **Y** |
| Details of otter signs | Evidence of otter presence e.g. spraint (otter droppings) or track trails. | **Y** | **Y** | **Y** |
| GPS Grid Ref of otter signs | GPS surveyed location of otter sign. Actual where otter found (within 600m) | **Y** | **Y** | **Y** |
| Description of spraint site | Description of site spraint found. | **Y** | **Y** | **Y** |
| Mink present | Present (Positive) or Not (Negative) These surveys are less detailed and were carried out whilst the officer was at the site. | **Y** | **Y** | **Y** |
| LEAP | Local Environment Agency Plan areas – administrative area used by the Environment Agency when original survey carried out - no longer used. | **Y** | **Y** | **Y** |
| **~~Comments~~** | ~~Additional comments of interest. [Point out that this hostile sites – is useful, if so remove records, other organisations doing surveys, H&S, human rights. Legal check as to subjectivity, point not ok for general release, certain circumstances appropriate to share. Potential removal of hostile sites and names with guidance on when it can be shared.]~~ | **N** | **N** | **N** |
| Easting | Easting centroid. | **Y** | **Y** | **Y** |
| Northing | Northing centroid. | **Y** | **Y** | **Y** |
| Aggregated Results | | | | |
| Site No | Site number | **Y** | **Y** | **Y** |
| Region | Water Authority/NRA (1975 – 1989) region the site survey is located | **Y** | **Y** | **Y** |
| Site Name | Site Name | **Y** | **Y** | **Y** |
| County | County name | **Y** | **Y** | **Y** |
| Alt | Altitude in metres - taken from OS map. | **Y** | **Y** | **Y** |
| Grid Ref | Survey site grid reference, given from original survey 1977 | **Y** | **Y** | **Y** |
| GPS Grid Ref Start | GPS survey start point | **Y** | **Y** | **Y** |
| Date-V1 | Visit, 1977-79, 1984-86, 1991-94, 2000-02 and 2009-10 | **Y** | **Y** | **Y** |
| Date-V2 | **Y** | **Y** | **Y** |
| Date-V3 | **Y** | **Y** | **Y** |
| Date-V4 | **Y** | **Y** | **Y** |
| Date-V5 | **Y** | **Y** | **Y** |
| V1 | Survey result for individual surveys (Present (Positive) or Not (Negative) There is also a null value of ‘O’ where a survey was not carried and the site was assumed negative) | **Y** | **Y** | **Y** |
| V2 | **Y** | **Y** | **Y** |
| V3 | **Y** | **Y** | **Y** |
| V4 | **Y** | **Y** | **Y** |
| V5 | **Y** | **Y** | **Y** |
| GPS Grid ref otter | GPS reference at the start of the survey. | **Y** | **Y** | **Y** |
| Mink present | Present (Positive) or Not (Negative). These surveys are less detailed and were carried out whilst the officer was at the site. | **Y** | **Y** | **Y** |
| Easting | Easting centroid | **Y** | **Y** | **Y** |
| Northing | Northing centroid | **Y** | **Y** | **Y** |

### Priority Habitat Creation and Restoration England (AfA319)

|  |
| --- |
| **Description**  The Priority Habitat Creation and Restoration GIS dataset lists projects undertaken by the Environment Agency to create new priority habitats and restore existing priority habitats. The majority of projects were undertaken in partnership with other organisations. Priority habitat creation and restoration is part of the England Biodiversity Strategy.  The UK Biodiversity Action Plan defined Priority habitats as those habitats most threatened and requiring conservation.  This dataset indicates the year in which the projects were completed. The year period is April 1st to March 31st, from April 2009 onwards.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BEA561C2D-EDF6-4C40-868E-389D55EFFBAE%7D>  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  ArcGIS Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Feature Identifier | **Y** | **Y** | **Y** |
| Shape | Geometry type = Point  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ProjectRef | Project reference | **Y** | **Y** | **Y** |
| ActionRef | Environment Agency action references (linked to the project reference). Each project can have multiple actions. | **Y** | **Y** | **Y** |
| Project | Name of project | **Y** | **Y** | **Y** |
| RegionArea | Environment Agency Region and Area | **Y** | **Y** | **Y** |
| Contact | Environment Agency contact | **Y** | **Y** | **Y** |
| Year | Year in which project completed. Year runs from April 1st to March 31st. | **Y** | **Y** | **Y** |
| Action | Work carried out, such as ‘create new habitat’ or ‘restore habitat features’ | **Y** | **Y** | **Y** |
| Habitat | Habitat type e.g. Pond, chalk river, saline lagoon. | **Y** | **Y** | **Y** |
| Amount | Numerical value related to the action taken | **Y** | **Y** | **Y** |
| Unit | Unit, such as hectares or linear kilometres, related to the numerical value in ‘amount’ | **Y** | **Y** | **Y** |
| NGR | Grid reference is for the central point of habitat creation. If the habitat is a river, the NGR is the downstream end | **Y** | **Y** | **Y** |
| X | X co-ordinate of NGR | **Y** | **Y** | **Y** |
| Y | Y co-ordinate of NGR | **Y** | **Y** | **Y** |
| NGR2 | This applies to rivers only and is the NGR for the upstream end. | **Y** | **Y** | **Y** |
| X2 | X co-ordinate of NGR2 | **Y** | **Y** | **Y** |
| Y2 | Y co-ordinate of NGR2 | **Y** | **Y** | **Y** |

Routine Environmental Monitoring Locations **(AfA436)**

|  |
| --- |
| **Description**  This dataset shows the names and locations where the Environment Agency carries out planned, routine environmental monitoring. Details of monitoring sites operated by third parties, for example as a condition of their permit, are not included.  The monitoring programmes are those considered as ‘environmental monitoring’ by the United Kingdom Environmental Observation Framework (UKEOF).  Non-routine monitoring, for example ad hoc or responsive monitoring, is not included.  Most site locations are held at a resolution of 1 metre. The grid references of some sites are only shown to a resolution of 1km. This is because some sites are on land owned by individuals, and precise location could infringe personal privacy or national security. Groundwater monitoring is always shown with reduced resolution of 1km.  This dataset is available on the Environment Agency’s Datashare site, and will also be combined with other organisations’ data and made available from the UKEOF website. The UKEOF Data Advisory Group coordinates UK implementation of the INSPIRE Annex III Environmental Monitoring Facilities (EF) theme on behalf of the UK Location Programme (UKLP).  Datasets available at full resolution:   * Coastal Survey Programme * EC Bathing Waters (monitoring of Intestinal Enterococci and Escherichia Coli at over 400 sites) * Oslo and Paris Convention (OSPAR) (monitoring of mercury, cadmium, copper, zinc, lead, PCBs, gamma-HCH, orthophosphate, phosphorus, nitrate, nitrogen and suspended particulate material at over 100 sites across England to determine the loading of contaminants entering the sea from inland discharges) * Demonstration Test Catchments (DTC) – A small number of sites where macroinvertebrates, macrophytes, diatoms, fish, and habitat are monitored. * WFD-EQSD (Environmental Quality Standards Directive) – replaces the Dangerous Substances Directive (list 1 substances) - We monitor water quality at approximately 1000 sites throughout England to fulfil the requirements of this Directive. * WFD-Operational – we undertake over 20,000 macroinvertebrate, diatom, macrophyte, fish, water quality and phytoplankton surveys. * WFD- Surveillance – we undertake over 3,000 macroinvertebrate, diatom, macrophyte, fish, water quality, phytoplankton, seagrass, saltmarsh species and abundance, macroalgae and habitat surveys. * WFD-Drinking Water Protected Areas – We sample over 200 sites for water quality across England to monitor and protect water bodies which are designated as sources of drinking water. * National Fisheries Monitoring Programme – Coarse Fish – We undertake about 2000 surveys of coarse fisheries throughout England using electric fishing and hydroacoustics to monitor the status of our fish populations and inform our environmental management. * National Fisheries Monitoring Programme – Salmonids – We conduct surveys at 3000 sites across England to monitor salmonid populations and their habitat. * Eel Index– We monitor the populations of silver, yellow and glass eels at nearly 200 sites across England to report to Government and the EU on progress towards the European Eel recovery target and to inform Eel Management Plans. * Salmon Index – We collect run data and smolt trapping for salmon and sea trout population statistics in the Lune, Tamar and Tyne catchments. * Water Resources – Catchment Abstraction Management Strategies. We survey macroinvertebrates and habitat at 334 sites across England to assess the relationship between flow and ecology. * Water Resources – National Drought Monitoring Network (NDMN) – We collect macroinvertebrate samples and photographs at 88 sites across England to support the actions identified in our drought plans and enable reporting on the local and national impacts of drought. * Water Resources – Setting the HydroEcological Basis for Adaptive Management (SHeBAM) network. These are sites (largely in Northern areas) used to help understand and manage the impacts of reservoirs on ecology.     Datasets available at reduced (1km) resolution   * Hydrometry and Telemetry Network (multi-programme) – All static Environment Agency monitoring sites for precipitation, river flow, river levels, groundwater and temperature throughout England. * WFD – Groundwater – All sites used to inform the Environment Agency Groundwater Quality (about 3000 sites) and Level (about 5200 sites) networks across England.   Non-native and Invasive Species Monitoring (NNIS). The NNIS programme comprises approximately 150 sites across England where *Dikerogammarus villosus* and *Dikerogammarus haemobaphes (invasive shrimp species)* sampling is undertaken.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  N/A  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  spreadsheet  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Organisation  Name | Provider of the information “Environment Agency” | **Y** | **Y** | **Y** |
| postalAddress | Null | **Y** | **Y** | **Y** |
| email | Null | **Y** | **Y** | **Y** |
| onlineResource | Null | **Y** | **Y** | **Y** |
| Publication\_status | Public | **Y** | **Y** | **Y** |
| facility\_name | Site Name | **Y** | **Y** | **Y** |
| localID | EA Site Reference | **Y** | **Y** | **Y** |
| description | Description of monitoring location  e.g.   * River * Transitional and Coastal * Lakes * Groundwater | **Y** | **Y** | **Y** |
| Eastings | Null | **Y** | **Y** | **Y** |
| Northings | Null | **Y** | **Y** | **Y** |
| Grid\_ref | Null | **Y** | **Y** | **Y** |
| link\_to\_activity | e.g.   * Freshwater Macroinvertebrate Monitoring * Macrophyte Monitoring * Diatom Monitoring | **Y** | **Y** | **Y** |
| organisationName | Lead Organisation for this monitoring i.e. “Environment Agency” | **Y** | **Y** | **Y** |
| postalAddress | Null | **Y** | **Y** | **Y** |
| email | Null | **Y** | **Y** | **Y** |
| onlineResource | Null | **Y** | **Y** | **Y** |
| organisationName | Funding Organisation for this monitoring i.e. “Environment Agency” | **Y** | **Y** | **Y** |
| postalAddress | Null | **Y** | **Y** | **Y** |
| email | Null | **Y** | **Y** | **Y** |
| onlineResource | Null | **Y** | **Y** | **Y** |
| organisationName | Owner of this data: “Environment Agency” | **Y** | **Y** | **Y** |
| postalAddress | Null | **Y** | **Y** | **Y** |
| email | Null | **Y** | **Y** | **Y** |
| onlineResource | Null | **Y** | **Y** | **Y** |

### Saltmarsh Extents (AfA137)

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| **Description**  Saltmarsh Extent is a polygon dataset showing the extent of saltmarsh in England and Wales. Saltmarsh is defined as any discrete marsh, grassland or reed bed, subject to tidal inundation from saline waters.  The extent excludes very low density pioneer saltmarsh vegetation termed indiscrete, which will generally be less than 5% cover and a creek less than 2m wide is not mapped i.e. it appears within the drawn boundary.  The initial dataset was completed in 2013 and is updated annually with any data from recent surveys.  Details of how the data was created can be found in the Environment Agency report 'The Extent of Saltmarsh in England and Wales: 2006-2009' (click [here](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/291573/LIT_5799_a4e627.pdf)).  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BB995E060-8244-46C5-98D6-3997FAD46E52%7D>  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  ArcGIS  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Feature Identifier | **Y** | **Y** | **Y** |
| Shape | Geometry = Polygon | **Y** | **Y** | **Y** |
| PRINC\_CD | Country (England or Wales) | **Y** | **Y** | **Y** |
| YEAR | Survey year of aerial photography capture | **Y** | **Y** | **Y** |
| MONTH | Survey month | **Y** | **Y** | **Y** |

### Saltmarsh Species (AfA131)

|  |
| --- |
| **Description**  Information regarding the presence, and percentage cover, of saltmarsh angiosperms (flowering plants) at specific marine monitoring points held within the Environment Agency’s BIOSYS database (our main database for storing, manipulating and reporting data from freshwater and marine biological surveys at any taxonomic level).  These data represent ground-truthing monitoring for the ecological assessment of saltmarsh within transitional and coastal waters of England and Wales.  Saltmarsh data on BIOSYS are updated as new monitoring data are made available. Monitoring for saltmarsh occurs June to September with records being updated after the sampling season.  The extracted data is a subset of the full dataset and only includes data collected/owned by the Environment Agency.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B2E5A9964-7D0A-456D-AEB6-34DE5B65397E%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Information Management, D&IM (supported by Marine Monitoring Services)  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Reservoir Name | Name of reservoir | **Y** | **Y** | **Y** |
| Physical Status | Status of reservoir e.g. In operation | **Y** | **Y** | **Y** |
| Situation | Nearest locality e.g. Bristol | **Y** | **Y** | **Y** |
| NGR | National grid reference | **Y** | **Y** | **Y** |
| Sample Date | Date of field monitoring | **Y** | **Y** | **Y** |
| Replicate | Replicate ID of quadrat from the saltmarsh bed | **Y** | **Y** | **Y** |
| Sample ID | Unique sample ID for sample (monitored quadrat) | **Y** | **Y** | **Y** |
| Sample type | Biological Element being reported – in this case saltmarsh angiosperms | **Y** | **Y** | **Y** |
| Sample Method | Sample method ie quadrat of specified size | **Y** | **Y** | **Y** |
| Survey Code | Unique survey code for field monitoring | **Y** | **Y** | **Y** |
| Analysis Type | Identifies that these samples are analysed in the field or laboratory | **Y** | **Y** | **Y** |
| Taxa | Lists the taxa found in the quadrat | **Y** | **Y** | **Y** |
| Percentage cover | Percentage cover in the quadrat for each of the taxa identified | **Y** | **Y** | **Y** |
| Quadrat Easting | Specific location (easting) of monitored quadrat within site/station | **Y** | **Y** | **Y** |
| Quadrat Northing | Specific location (northing) of monitored quadrat within site/station | **Y** | **Y** | **Y** |

### Saltmarsh Zonation (AfA407)

|  |
| --- |
| **Description**  Saltmarsh Zone dataset shows the following zones of saltmarsh extent:  • Pioneer  • Spartina,  • Mid-low,  • Upper Marsh  • Reedbeds  These zones reflect ecological communities within saltmarsh habitats required for Water Framework Directive assessment purposes.  The dataset covers a selection of water bodies across England and Wales. Coverage does not include all areas of saltmarsh habitat in England and Wales, but those areas where the Environment Agency, Natural Resources Wales, Natural England and the Regional Coastal Monitoring Programme have carried out sufficient aerial and ground surveys.  The dataset has been developed from aerial imagery and ground survey data collected from the period 2006 to 2012.  Interpretation of the Saltmarsh Zonation layer should be made in combination with AfA137 Saltmarsh Extents.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Feature Identifier | **Y** | **Y** | **Y** |
| Shape | Shape Geometry: Point | **Y** | **Y** | **Y** |
| Gridsize\_m | Distance between points in grid (either 5m or 10m) | **Y** | **Y** | **Y** |
| Captured | Name of body that supplied photography data e.g. Environment Agency, Natural England, Channel Coast Observatory. | **Y** | **Y** | **Y** |
| Year | Survey year of aerial photography capture | **Y** | **Y** | **Y** |
| Classific | Description of saltmarsh zone | **Y** | **Y** | **Y** |
| Alt\_Class | Description of alternative zone (if present) | **Y** | **Y** | **Y** |
| GeoTag | Unique positional ID number. | **Y** | **Y** | **Y** |
| Princ\_CD | Indicates whether point falls within Environment Agency’s jurisdiction (England) or Natural Resources Wales (Wales) jurisdiction. | **Y** | **Y** | **Y** |
| Commission | Indicates whether Natural England (Nat Eng), Environment Agency (EA), or Natural Resource Wales (NRW) commissioned classification initially. | **Y** | **Y** | **Y** |

### Seagrass Taxa and Abundance (AfA128)

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| --- |
| **Description**  Information regarding the presence, and percentage cover, of seagrass species at specific marine monitoring points held within the Environment Agency’s BIOSYS database (our main database for storing, manipulating and reporting data from freshwater and marine biological surveys at any taxonomic level).  These data represent ground-truthing monitoring for the ecological assessment of seagrasses within transitional and coastal waters of England and Wales.  Seagrass data on BIOSYS are updated as new monitoring data are made available. Monitoring for seagrass occurs June to September with records being updated after the sampling season.  The extracted data is a subset of the full dataset and only includes data collected/owned by the Environment Agency.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BC77C1001-B91D-4111-8376-21564A13C759%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and information Management (supported by Marine Monitoring Services)  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Sample type | Specifies the biological element extracted from BIOSYS. In this case, seagrass. | **Y** | **Y** | **Y** |
| Site/Station Name | Name of sampling station – refers to waterbody and to specific seagrass bed within the waterbody | **Y** | **Y** | **Y** |
| Site Id | BIOSYS site ID code | **Y** | **Y** | **Y** |
| Sample Date | Date when field monitoring done | **Y** | **Y** | **Y** |
| Percentage Cover | Percentage cover of seagrass in the quadrat | **Y** | **Y** | **Y** |
| Zostera Marina Present? | Presence/absence of specified seagrass species in quadrat | **Y** | **Y** | **Y** |
| Zostera Noltii Present? | Presence/absence of specified seagrass species in quadrat | **Y** | **Y** | **Y** |
| Zostera Augustifolia present? | Presence/absence of specified seagrass species in quadrat | **Y** | **Y** | **Y** |
| Ruppia Present? | Presence/absence of specified seagrass species in quadrat | **Y** | **Y** | **Y** |
| NGR | National Grid Reference of central point of seagrass bed | **Y** | **Y** | **Y** |
| Full Easting | Full easting of central point of seagrass bed | **Y** | **Y** | **Y** |
| Full Northing | Full northing of central point of seagrass bed | **Y** | **Y** | **Y** |
| Quadrat Full Easting | Full easting of central point of monitored quadrat (assessed for species and percentage cover) | **Y** | **Y** | **Y** |
| Quadrat Full Northing | Full northing of central point of monitored quadrat (assessed for species and percentage cover) | **Y** | **Y** | **Y** |

### Shellfish Waters Areas for England and Wales (AfA122)

|  |
| --- |
| **Description**  Shellfish waters are coastal and brackish waters used for commercial shell fishing. These areas have been designated under the EC Shellfish Waters Directive. This dataset identifies the boundaries of shellfisheries in England and Wales.  It is of note that shellfisheries no longer used on a commercial basis are still maintained.  **Issues to Note**  These data have been superseded by a dataset delineated by Cefas that is deemed to be of a higher quality and is used by Defra to report under the Shellfish Waters Directive (17/08/2009).  **AfA Category**  AfA (Publication Scheme & IfRR)  **Guidance**  Third party rights were considered in the construction of the dataset geometry. However, no copy derived data was found when compared with relevant data products to identify a relevant coastal dataset. It is considered low risk and therefore has full approval, especially since the use could not be used as a substitute to any other dataset. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| Name | Country sample taken in. | **Y** | **Y** | **Y** |
| SFW\_ID | Environment Agency Region. | **Y** | **Y** | **Y** |

### Species Surveys – Native Species (AfA227)

**Description**

This dataset covers Native Species not in the Rare or Protected dataset.

Native species surveyed and collected during the Environment Agency monitoring activities including location and date of survey. Primarily aquatic and riparian species. Location and date of survey are recorded. Data is from 1970 onwards.

The full EA species data holding comprises Non-native species, Rare and Protected Species and Native Species [“other” species].

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={2F0038D4-D17D-4E32-BFDB-7F168CC3AC4F}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b2F0038D4-D17D-4E32-BFDB-7F168CC3AC4F%7d)

**Update frequency**

6-monthly

**Supply frequency**

6-monthly

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

NBN data exchange format – in Excel spreadsheet

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| RecordKey | Unique record key | **Y** | **Y** | **Y** |
| SampleKey | Unique sample key | **Y** | **Y** | **Y** |
| TaxonVersionKey | Taxonomic version key Unique shared key across UK organisations | **Y** | **Y** | **Y** |
| Sensitive | Sensitive data flag [e.g. rare species] | **Y** | **Y** | **Y** |
| StartDate | Start date of the sample survey | **Y** | **Y** | **Y** |
| EndDate | End data of the sample survey | **Y** | **Y** | **Y** |
| DateType | Date type resolution | **Y** | **Y** | **Y** |
| SiteKey | Unique site key | **Y** | **Y** | **Y** |
| SiteName | Site name | **Y** | **Y** | **Y** |
| East | Easting | **Y** | **Y** | **Y** |
| North | Northing | **Y** | **Y** | **Y** |
| Projection | Projection method spatial reference is recorded e.g. OSGB | **Y** | **Y** | **Y** |
| Precision | Precision of the spatial reference | **Y** | **Y** | **Y** |
| Recorder | Organisation taking the sample i.e. Environment Agency | **Y** | **Y** | **Y** |
| Source | System the data has been extracted from | **Y** | **Y** | **Y** |
| Taxon Name | Name of species | **Y** | **Y** | **Y** |

### Species Surveys - Non-Native Species (AfA226)

**Description**

Invasive non-native species surveyed and collected during the Environment Agency monitoring activities including location and date of survey. Primarily aquatic and riparian species. Location and date of survey are recorded from 1970 onwards.

Any non-native species present in a sample are recorded when they are of the target group, for example Signal Crayfish (Pacifastacus lenisculus) in a benthic invertebrate sample or Canadian pondweed (Elodea Canadensis) in a plant survey. Other non-native species are recorded when seen at or around Environment Agency monitoring sites. Non-native species do not have a specific monitoring programme. These data are peer reviewed.

The full EA species data holding comprises Non-native species, Protected Species and Native Non-Protected Species [“other” species].

**Issues to Note**

Any non-native species present in a sample are recorded when they are of the target group, for example Signal Crayfish (Pacifastacus lenisculus) in a benthic invertebrate sample or Canadian pondweed (Elodea Canadensis) in a plant survey. Other non-native species are recorded when seen at or around Environment Agency monitoring sites. Non-native species do not have a specific monitoring programme. Recording much more consistent post 2009.

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={BFECEF2D-A1D0-4B69-9A24-6778784A0C93}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bBFECEF2D-A1D0-4B69-9A24-6778784A0C93%7d)

**Update frequency**

6-monthly

**Supply frequency**

6-monthly

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

NBN data exchange format – in Excel spreadsheet

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| RecordKey | Unique record key | **Y** | **Y** | **Y** |
| SampleKey | Unique sample key | **Y** | **Y** | **Y** |
| TaxonVersionKey | Taxonomic version key - Unique shared key across UK organisations | **Y** | **Y** | **Y** |
| Sensitive | Sensitive data flag [e.g. rare species] | **Y** | **Y** | **Y** |
| StartDate | Start date of the sample survey | **Y** | **Y** | **Y** |
| EndDate | End data of the sample survey | **Y** | **Y** | **Y** |
| DateType | Date type resolution | **Y** | **Y** | **Y** |
| SiteKey | Unique site key | **Y** | **Y** | **Y** |
| SiteName | Site name | **Y** | **Y** | **Y** |
| East | Easting | **Y** | **Y** | **Y** |
| North | Northing | **Y** | **Y** | **Y** |
| Projection | Projection method spatial reference is recorded e.g. OSGB | **Y** | **Y** | **Y** |
| Precision | Precision of the spatial reference | **Y** | **Y** | **Y** |
| Recorder | Organisation taking the sample i.e. Environment Agency | **Y** | **Y** | **Y** |
| Source | System the data has been extracted from | **Y** | **Y** | **Y** |
| Taxon Name | Name of species | **Y** | **Y** | **Y** |

### Species Surveys – Rare and Protected Species (AfA225)

**Description**

Rare and Protected species of interest to the Environment Agency surveyed and collected during our monitoring activities including location and date of survey. Primarily these are aquatic and riparian species (marine and freshwater), including invertebrates, plants, algae and fish. The data includes ad-hoc records from surveys at local offices. Data is from 1970 onwards.

This dataset does not include records of Freshwater Pearl Mussel, but otherwise includes all Rare and Protected species surveyed by the Environment Agency.

The full EA species data holding comprises Non-native species, Rare and Protected Species and Native Species [“other” species].

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={60B5E801-F221-4FE2-84F6-3E60173BA01C}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b60B5E801-F221-4FE2-84F6-3E60173BA01C%7d)

**Update frequency**

6-monthly

**Supply frequency**

6-monthly

**Third Party Prior Rights**

None

**Data Contact / Supply**

.

**Format Supplied**

NBN data exchange format – in Excel spreadsheet

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| RecordKey | Unique record key | **Y** | **Y** | **Y** |
| SampleKey | Unique sample key | **Y** | **Y** | **Y** |
| TaxonVersionKey | Taxonomic version key Unique shared key across UK organisations | **Y** | **Y** | **Y** |
| Sensitive | Sensitive data flag [e.g. rare species] | **Y** | **Y** | **Y** |
| StartDate | Start date of the sample survey | **Y** | **Y** | **Y** |
| EndDate | End data of the sample survey | **Y** | **Y** | **Y** |
| DateType | Date type resolution | **Y** | **Y** | **Y** |
| SiteKey | Unique site key | **Y** | **Y** | **Y** |
| SiteName | Site name | **Y** | **Y** | **Y** |
| East | Easting | **Y** | **Y** | **Y** |
| North | Northing | **Y** | **Y** | **Y** |
| Projection | Projection method spatial reference is recorded e.g. OSGB | **Y** | **Y** | **Y** |
| Precision | Precision of the spatial reference | **Y** | **Y** | **Y** |
| Recorder | Organisation taking the sample i.e. Environment Agency | **Y** | **Y** | **Y** |
| Source | System the data has been extracted from | **Y** | **Y** | **Y** |
| Taxon Name | Name of species | **Y** | **Y** | **Y** |
| River | River Name | **Y** | **Y** | **Y** |
| Survey Type | Description of survey | **Y** | **Y** | **Y** |
| Survey Obs | Additional information about the species (for example, eggs, plants, breeding pair) | **Y** | **Y** | **Y** |

### Summary Shellfish Directive Assessments (AfA123)

|  |
| --- |
| **Description**  Shellfish waters are coastal and brackish waters used for commercial shell fishing. These areas have been designated under the EC Shellfish Waters Directive. This dataset contains sample results taken within the Designated Shellfish Waters that are assessed for compliance under the standards as defined under Directive (79/923/EEC). These sites are sampled for water quality and for faecal coliform amongst others and contain both the raw sample results as well as the summary compliance data. Samples are taken monthly with summary data collated for compliance annually and reported to Defra/WAG. Since these data are reported annually the dataset is available for each complete year reported.  It is of note that shellfisheries no longer used on a commercial basis are still maintained. Other raw results are available, although these are not part of this request for data – other raw result samples shall need to be approved for access.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B68C52D77-EE30-4732-8D1A-531A4A21C778%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  There is a small risk that this data can be considered commercially confidential but is difficult to assess. However, these data would be made available under an EIR request and as such these would inevitably lead to disclosure where the public interest test has been applied. For this reason we consider it unnecessary that this slight risk should prevent full access. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Shellfish Flesh Results** | | | | |
| Country | Country sample taken in. | **Y** | **Y** | **Y** |
| EA Region | Environment Agency Region. | **Y** | **Y** | **Y** |
| Shellfish Water reference | Shellfish water identifier. | **Y** | **Y** | **Y** |
| Shellfish Water name | Shellfish water name. | **Y** | **Y** | **Y** |
| Easting | National Grid Reference - Easting | **Y** | **Y** | **Y** |
| Northing | National Grid Reference – Northing | **Y** | **Y** | **Y** |
| Sample Date | Date the sample was taken. | **Y** | **Y** | **Y** |
| Species | Shellfish species. | **Y** | **Y** | **Y** |
| Qualifier | Qualifier i.e. if less than 20. | **Y** | **Y** | **Y** |
| Faecal foliform result no/100g | Faecal foliform result. | **Y** | **Y** | **Y** |
| **Shellfish Flesh Compliance Summary** | | | | |
| Country | Country sample taken in. | **Y** | **Y** | **Y** |
| EA Region | Environment Agency Region. | **Y** | **Y** | **Y** |
| Shellfish Water reference | Shellfish water identifier. | **Y** | **Y** | **Y** |
| Shellfish Water name | Shellfish water name. | **Y** | **Y** | **Y** |
| Number of samples | Number of sample taken in shellfishery. | **Y** | **Y** | **Y** |
| Number of failing samples | Number of non-compliant sites as defined by the Shellfish waters Directive. | **Y** | **Y** | **Y** |
| Percent of samples failing | Percentage of non-compliant sites in the shellfishery. | **Y** | **Y** | **Y** |
| Guideline Compliance | I.e. Pass/Fail | **Y** | **Y** | **Y** |
| **Shellfish Water Results** | | | | |
| Country | Country sample taken in | **Y** | **Y** | **Y** |
| EA Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Shellfish Water reference | Shellfish water identifier | **Y** | **Y** | **Y** |
| Shellfish Water name | Shellfish water name. | **Y** | **Y** | **Y** |
| Sample Date | Date sample taken. | **Y** | **Y** | **Y** |
| Sample Time | Time of the sample. | **Y** | **Y** | **Y** |
| Qualifier | Qualifier i.e. if less than 20. | **Y** | **Y** | **Y** |
| Faecal foliform result no CFUs / 100ml | Sampled faecal foliform result. | **Y** | **Y** | **Y** |
| **Shellfish Water Compliance Summary** | | | | |
| Country | Country sample taken in | **Y** | **Y** | **Y** |
| EA Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Shellfish Water reference | Shellfish water identifier | **Y** | **Y** | **Y** |
| Shellfish Water name | Shellfish water name. | **Y** | **Y** | **Y** |
| Easting | National Grid Reference - Easting | **Y** | **Y** | **Y** |
| Northing | National Grid Reference – Northing. | **Y** | **Y** | **Y** |
| Guideline EQS (Max) | Environmental quality standard maximum. | **Y** | **Y** | **Y** |
| Number of samples | Number of samples taken within the shellfishery. | **Y** | **Y** | **Y** |
| Number of failing samples | Number of non-compliant sites as defined by the Shellfish Waters Directive. | **Y** | **Y** | **Y** |
| Min | Summary Statistics. | **Y** | **Y** | **Y** |
| Max | **Y** | **Y** | **Y** |
| Mean | **Y** | **Y** | **Y** |
| Standard Deviation | **Y** | **Y** | **Y** |
| Guideline Compliance | I.e. Pass/Fail | **Y** | **Y** | **Y** |

### 

# FCRM

### 2D Benchmarking Tool (AfA176)

|  |
| --- |
| **Description**  Data containing 8 test areas for in modelling software for the purposes of benchmarking. Data for 8 tests have been provided for sample areas within England and Wales. Data supplied includes artificially generated digital elevated models, upstream boundary conditions, river break lines and 1D Model cross sections.  For test 7 the DTM was generated using an EA owned LiDAR data and ISIS model. The boundary conditions were created by Environment Agency to ensure an extent and timing of floodplain inundation that was appropriate to the software features being tested. These boundary conditions were loosely based on the flood magnitude that occurred in the River Severn in 2000.  For test 8 the Flood Risk Management Research Consortium had previously used an urban DTM provided by Infoterra.  The LiDAR DTM was modified using OS Mastermap data. The Mastermap data was used to define building outlines, road kerb lines and footway boundaries. The vertical levels of the roads were altered to ensure the appropriate camber and kerb heights using site survey data collected by Environment Agency.  **Issues to Note**  These data have been created specifically to benchmark modelling software. These data should not be used for any other purpose since they are considered “dummy” data and in cases have been artificially generated by the Environment Agency.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BFC4FE012-AAC1-4E6A-9686-7868E3DC9CDE%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Shapefile  **Special Conditions**  None  **Information Warning**  N/A  **Guidance**  These data have been generated specifically for benchmarking. These data have been sent under a Statutory Licence to commercial software companies under a End User licence. Further assessment is required for external disclosure on a case-by-case basis. Normal charges for EA data still apply as applicable.  ‘Dummy Data’ has been priced as Zero. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geo-referenced Raster ASCII DEM at resolution 2m | Test 1 (750x150m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Upstream boundary condition table (water level vs. time) | Test 1 (750x150m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points | Test 1 (750x150m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 2m | Test 2 (2x2km)- Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Upstream boundary condition table (inflow vs. time) | Test 2 (2x2km)- Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Outline of modelled area (shapefiles) | Test 2 (2x2km)- Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of upstream boundary condition (shapefile) | Test 2 (2x2km)- Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points | Test 2 (2x2km)- Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 2m | Test 3 (300x150m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Upstream boundary condition table (discharge vs. time) | Test 3 (300x150m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Upstream boundary condition table (inflow vs. time) | Test 4 (300mx250m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points | Test 4 (300mx250m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 10m | Test 5 (15x10km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Upstream boundary condition table (inflow vs. time) | Test 5 (15x10km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Outline of modelled area (shapefiles) | Test 5 (15x10km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of upstream boundary condition (shape-file) | Test 5 (15x10km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of upstream boundary condition (backup text file) | Test 5 (15x10km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points | Test 5 (15x10km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 0.05m for Test 6A | Test 6 (2kmx60m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 1m for Test 6B | Test 6 (2kmx60m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points for Test 6A | Test 6 (2kmx60m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points for Test 6B | Test 6 (2kmx60m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 1m | Test 7 (8x3km) - Sourced from EA LIDAR data | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 10m | Test 7 (8x3km) - Sourced from EA LIDAR data | **Y** | **Y** | **Y** |
| 1D Model Cross-sections | Test 7 (8x3km) - Sourced from EA 1D model | **Y** | **Y** | **Y** |
| 1D Model Cross-section locations and spacing | Test 7(8x3km) - Sourced from EA 1D model | **Y** | **Y** | **Y** |
| Location of output points | Test 7(8x3km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| River bank break-lines | Test 7(8x3km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Floodplain break-lines | Test 7(8x3km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Photograph showing Pool Brook culvert | Test 7 (8x3km) - Sourced from Environment Agency during a site visit | **Y** | **Y** | **Y** |
| Pool Brook culvert parameters | Test 7(8x3km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Photograph showing A4104 bridge | Test 7(8x3km) - Sourced from Environment Agency during a site visit | **Y** | **Y** | **Y** |
| A4104 bridge parameters | Test 7(8x3km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Downstream rating curve (flow versus water level) | Test 7(8x3km) - Sourced from EA 1D model | **Y** | **Y** | **Y** |
| Upstream inflow (flow versus time) | Test 7 (8x3km) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geo-referenced Raster ASCII DEM at resolution 0.5m | Test 8A (1kmx400m) - DTM sourced from Infoterra but heavily modified (see note below table) | **N** | **N** | **N** |
| Rainfall hyetograph (rainfall intensity vs. time) | Test 8A (1kmx400m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Point source boundary condition table (inflow vs. time) | Test 8A (1kmx400m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Point source coordinates | Test 8A (1kmx400m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points | Test 8A (1kmx400m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Outline of roads and pavements (shapefile polygons) | Test 8A (1kmx400m) - OS Mastermap data | **N** | **N** | **N** |
| Outline of roads and pavements (ASCII raster file) | Test 8A (1kmx400m) - OS Mastermap data | **N** | **N** | **N** |
| Geo-referenced Raster ASCII DEM at resolution 0.5m | Test 8B (1kmx400m) - DTM sourced from Infoterra but heavily modified (see note below table) | **N** | **N** | **N** |
| Culvert upstream boundary condition table (discharge vs. time) | Test 8B (1kmx400m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Geometry of pipe | Test 8B (1kmx400m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Location of output points | Test 8B (1kmx400m) - Artificially generated by Environment Agency | **Y** | **Y** | **Y** |
| Outline of roads and pavements (shapefile polygons) | Test 8B (1kmx400m) - OS Mastermap data | **N** | **N** | **N** |
| Outline of roads and pavements (ASCII raster file) | Test 8B (1kmx400m) - OS Mastermap data | **N** | **N** | **N** |
| Outline of buildings (shapefile polygons) | Test 8B (1kmx400m) - OS Mastermap data | **N** | **N** | **N** |
| Outline of buildings (ASCII raster file) | Test 8B (1kmx400m) - OS Mastermap data | **N** | **N** | **N** |

### Areas Susceptible to Groundwater Flooding 2010 (AfA190)

|  |
| --- |
| **Description**  ‘Areas Susceptible to Groundwater Flooding’ is a 1 kilometre square grid that identifies at a broad scale areas susceptible to flooding from groundwater on the basis of geological and hydrogeological conditions. It does not show the likelihood of groundwater flooding occurring and therefore is a hazard not risk-based dataset. It does not take account of areas where groundwater is likely to pond or flow, but simply considers where groundwater might emerge. Hazard is represented by one of four area categories showing the proportion of each 1 km square that is susceptible to groundwater flood emergence:   * < 25%; * >= 25% <50% * >=50% <75% * >= 75%   Absence of a value means that no risk is anticipated to be present.  **Issues to Note**  **AfA Category**  AfA (Information Requests only)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BDFD0F586-3725-40EF-9F48-E6BA26403261%7D>  **Update frequency**  N/A  **Supply frequency**  **Third Party Prior Rights**  **Data Contact / Supply**  Data Management (GIS Team)  Available on DataShare for some user categories  **Format Supplied**  N/A  **Special Conditions**  Special condition s.128  **Information Warning**  None  **Guidance**  Disclose under a Copyright Statement and Disclaimer when responding to a request under FoI/EIR.  Data can be licensed in pursuit of the EA Statutory functions providing Internet use is prohibited – a Special Condition is required. This includes supply through the DataShare site under a Special Licence – Co-Deliverer.  Any other use requires assessment under EA policy and BGS licence conditions. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Polygon  British National Grid | **Y** | **N** | **N** |
| FLOODTYPE | Flood susceptibility type:  Clearwater;  Clearwater and Superficial Deposits Flooding; or  Superficial Deposits Flooding. | **Y** | **N** | **N** |
| CLASS | Area classification:  < 25%;  >= 25% <50%  >=50% <75%  >= 75%. | **Y** | **N** | **N** |

### Areas to Benefit from New and Reconditioned Flood Schemes under the Medium Term Plan (AfA097)

|  |
| --- |
| **Description**  ‘Areas to Benefit from New and Reconditioned Flood Schemes under the Medium Term Plan’ is a spatial, polygon, displaying areas that would benefit from the presence of a new, or improvement of a current flood defence scheme as planned within the Medium Term Plan (i.e. covering the next 5 years: effectively a new dataset will be available annually). It does not directly indicate the likelihood of flooding to individual properties. The Environment Agency is supplying this data in order to support the Government’s and Association of British Insurer’s (ABI) revised joint Statement of Principles on the provision of flood insurance. The areas defined within this dataset show a forecast of areas benefiting from new/improved flood defence projects. It contains funding allocation for the first financial year (from April). Funding for the following four financial years is not guaranteed being only indicative and will be reviewed annually. Projects within a Medium Term Plan qualify for this dataset if:   * the investment leads to a change in the current standard of service (change projects); * the investment is a replacement or refurbishment in order to sustain the current standard of service (sustain projects); * the project has an initial construction budget of £100k of more; and * the project is included within the first five years of the MTP.   The data includes all the Environment Agency’s projects over £100K that will change or sustain the standards of flood defence in England and Wales over the next 5 years. It also includes the equivalent schemes for all Local Authority and Internal Drainage Boards. The number of households and areas of land contributing to DEFRA’s Outcome Measures (OM) are also attributed i.e. could benefit from major work on flood defences.  These data also contain Intermittence Flood Maintenance Programme that show the annual maintenance programme of work scheduled to be carried by the Environment Agency, Local Authority or Internal Drainage Board on flood defences. Data details routine maintenance as well as intermittent work that has been funded for the coming year. The data contains a start and end coordinate defining the relevant river section where work is planned.  Information Warning:  Please note that this data show the areas where investment is being made to reduce the flood and coastal erosion risk and are not detailed enough to account for individual addresses. Individual properties may not always face the same risk of flooding as the areas that surround them.  Also note that funding figures are indicative and any use or interpretation should account for future updates where annual values may change.  **Issues to Note**  Information Warning applicable  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={556F7EF3-B796-4FA5-AF98-F1D120733FA6}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b556F7EF3-B796-4FA5-AF98-F1D120733FA6%7d)  **Update frequency**  These data are revised on an annual basis although the format and content may vary year-to-year.  **Supply frequency**  These data are revised on an annual basis although the format and content may vary year-to-year.  **Third Party Prior Rights**  This site includes mapping data licensed from Ordnance Survey used for setting the Environment Agency's data in its geographical context. Ordnance Survey retains the copyright of this material and it can not be used for any other purpose."  **Data Contact / Supply**  Geomatics [Future versions will be available through data share].  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  "Please note that the maps show the areas where investment is being made to reduce the flood and coastal erosion risk and are not detailed enough to account for individual addresses. Individual properties may not always face the same risk of flooding as the areas that surround them. Also note that funding figures are indicative and any use or interpretation should account for future updates where annual values may change.  We do all that we can to ensure that the maps reflect all the data we possess and that we have applied our expert knowledge to create conclusions that are as reliable as possible. We believe that we have created the maps as well as we can and so should not be liable if the maps by their nature are not as accurate as might be desired or are misused or misunderstood despite our warnings.  For this reason we are not able to promise that the maps will always be accurate or completely up to date.  This site includes mapping data licensed from Ordnance Survey used for setting the Environment Agency's data in its geographical context. Ordnance Survey retains the copyright of this material and it can not be used for any other purpose."  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Capital Schemes** | | | | |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| EA Area | Environment Agency Area | **Y** | **Y** | **Y** |
| OPAUTH | Operating Authority | **Y** | **Y** | **Y** |
| RFCC | Regional Flood and Coastal Community | **Y** | **Y** | **Y** |
| PROJECT\_NO | Project identifier | **Y** | **Y** | **Y** |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| PostCode | Postcodes covered by the area benefiting from flood defence (District, Sector). | **Y** | **Y** | **Y** |
| ProjectName | Project name as given in the Medium Term Plan (MTP). | **Y** | **Y** | **Y** |
| Y1Spend | Allocated first year spend for the project | **Y** | **Y** | **Y** |
| Y2Spend | Allocated second year spend for the project | **Y** | **Y** | **Y** |
| Y3Spend | Allocated third year spend for the project | **Y** | **Y** | **Y** |
| Y4Spend | Allocated fourth year spend for the project | **Y** | **Y** | **Y** |
| Y5Spend | Allocated fifth year spend for the project | **Y** | **Y** | **Y** |
| OM2 | Contribution to Defra’s Outcome Measure (OM) 2: Number of households that move from very significant or significant probability bands to moderate or low probability bands of flood risk if the scheme is to be implemented. | **Y** | **Y** | **Y** |
| OM2b | Contribution to Defra’s Outcome Measure (OM) 2b: Number of households that move from very significant or significant probability bands to moderate or low probability bands of flood risk if the scheme is to be implemented | **Y** | **Y** | **Y** |
| OM2c | The number of households in the 20% most deprived areas moved out of the significant or very significant probability categories | **Y** | **Y** | **Y** |
| OM3 | Contribution to Defra’s Outcome Measure (OM) 3: Number of households in deprived communities at reduced flood risk within the Medium Term Plan Area of Benefit. | **Y** | **Y** | **Y** |
| OM3b | The number of households protected against loss in 20 yrs from coastal erosion | **Y** | **Y** | **Y** |
| OM3c | The number of households in the 20% most deprived areas protected against loss in 20 yrs from coastal erosion. | **Y** | **Y** | **Y** |
| OM4 | Actions to improve the condition of SSSIs (FRM contribution)  (ha) | **Y** | **Y** | **Y** |
| OM4a | Hectares of water dependent habitat created or improved to help meet the objectives of the Water Framework Directive. | **Y** | **Y** | **Y** |
| OM4b | Hectares of inter-tidal habitat created to help meet the objectives of the Water Framework Directive for areas protected under the EU Habitats/Birds Directive | **Y** | **Y** | **Y** |
| OM4c | Kilometres of rivers protected under the EU Habitats/Birds Directive improved to help meet the objectives of the Water Framework Directive | **Y** | **Y** | **Y** |
| SOP | Standard of Protection (SoP) of the scheme after completion. This is represented as a percentage likelihood of flooding in a 1 year period. The percentage is determined from assessed model output on an individual flood scheme basis. | **Y** | **Y** | **Y** |
| Authority Type | Either ‘EA’ for Environment Agency, ’LA CE’ for a Local Authority with the lead on coastal erosion issues, ‘LA FL C’ for a Local Authority with the lead on coastal flooding issues, ‘LA FL R’ for a Local Authority with the lead on a river flooding issue, and ‘IDB’ for an Internal Drainage Board. | **Y** | **Y** | **Y** |
| Category | Either:   * Coastal Erosion; * River Flooding; or * Sea Flooding | **Y** | **Y** | **Y** |
| **Recondition Work** | | | | |
| SHAPE | Geometry type = Point  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| Project | Project name as given in the Medium Term Plan (MTP). | **Y** | **Y** | **Y** |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| RFCC | Regional Flood and Coastal Community | **Y** | **Y** | **Y** |
| Work Type | Type of work scheduled such as Asset Condition, Health and Safety, Conveyance | **Y** | **Y** | **Y** |
| Y1Spend | Allocated first year spend for the project | **Y** | **Y** | **Y** |
| Y2Spend | Allocated second year spend for the project | **Y** | **Y** | **Y** |
| Y3Spend | Allocated third year spend for the project | **Y** | **Y** | **Y** |
| Y4Spend | Allocated fourth year spend for the project | **Y** | **Y** | **Y** |
| Y5Spend | Allocated fifth year spend for the project | **Y** | **Y** | **Y** |
| EA\_AREA | Environment Agency Area | **Y** | **Y** | **Y** |
| **Intermittent Maintenance** | | | | |
| SHAPE | Geometry type = Point  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| Project Name | Project name as given in the Medium Term Plan (MTP). | **Y** | **Y** | **Y** |
| RFCC | Regional Flood and Coastal Community | **Y** | **Y** | **Y** |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Area | Environment Agency Area | **Y** | **Y** | **Y** |
| Work Type | Type of work scheduled such as Asset Condition, Health and Safety, Conveyance | **Y** | **Y** | **Y** |
| Funding Type | Type of funding e.g. Flood Defence Grant in Aid (FDGIA), General Drainage Charge, Capital, Local Levy, Revenue | **Y** | **Y** | **Y** |
| System number | The system reference number. | **Y** | **Y** | **Y** |
| Project number | Unique number for project | **Y** | **Y** | **Y** |
| UnID | Unique Identifier | **Y** | **Y** | **Y** |
| County | County | **Y** | **Y** | **Y** |

### Bank Top ePlanning Tool (AfA046)

|  |
| --- |
| **Description**  The Bank Top ePlanning Tool dataset is a stand-alone dataset containing a maximal extent of:   * 20m buffer of 10k Main River Network; * 20m buffer of MasterMap River Bank features; and * 20m buffer of Ordnance Survey 10k Mean High Water Dataset for estuaries wider than 40m.   **Bank Top ePlanning Tool is required as a result of recently changed statutory consultation requirements for Local Planning Authorities (LPA) as set out in the "Town and Country Planning (General Development Procedure) (Amendment) (No2) (England) Order 2006" available at** [**http://www.opsi.gov.uk/si/si2006/uksi\_20062375\_en.pdf**](http://www.opsi.gov.uk/si/si2006/uksi_20062375_en.pdf). **Local Authorities have the responsibility to consult the Environment Agency on any new development falling within 20 metres of the top of the bank of a Main River. The Bank Top Tool allows the LPA to determine if new development falls within these areas and triggers the consultation.**  **Issues to Note**  Third Party Prior RIghts  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={1EB5BA64-A988-43A8-9C00-5BE174BE6F57}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b1EB5BA64-A988-43A8-9C00-5BE174BE6F57%7d&view=fullHtml)  **Update frequency**  None  **Supply frequency**  One-off  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Bank Top ePlanning Tool may be released:   * As a GIS dataset (under PGA “Statutory Use”) to Local Planning Authorities “...for use under the **Town and Country Planning (General Development Procedure) (Amendment) (No2) (England) Order 2006” (GDPO)**, under a Special Licence (Information, Non-Commercial); and * In response to an FoI/EIR request where supplied in a printed or PDF format only (for clarity this includes use for Flood Risk Assessments/Flood Consequence Assessments as a layer within a printed or PDF Basic or Detailed FRA/FCA map).   The digital dataset is not available for re-use due to Prior Rights concerns. Any EIR/FoI requests for the digital dataset need to be individually assessed. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Region | Geographic region (e.g. SouthWest) | **Y** | **Y** | **Y** |
| Catchment | Catchment unique number | **Y** | **Y** | **Y** |
| Description | Village/Town/etc | **Y** | **Y** | **Y** |
| Name | Name of village/town/etc (e.g. Alswear/Brampton) | **Y** | **Y** | **Y** |
| No. of Properties | No. of properties within a catchment (or more accurately, the precautionary indicative floodplain) where an extreme flood hazard has been identified | **Y** | **Y** | **Y** |
| Min Tp | Minimum time to peak | **N** | **N** | **N** |
| Min HR Peak | Minimum hazard rating | **N** | **N** | **N** |
| Max HR Peak | Maximum hazard rating | **N** | **N** | **N** |
| Adjusted RRC class | Adjusted rapid response catchment class - this is based on the Flood Risks to People research. | **Y** | **Y** | **Y** |
| Min SoP | Minimum standard of protection | **N** | **N** | **N** |
| Max SoP | Maximum standard of protection | **N** | **N** | **N** |

### Catchment Flood Management Plan Policy Units (AfA144)

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| --- |
| **Description**  The Catchment Flood Management Plan Boundaries (CFMP) Policy Units are a spatial dataset that defines the boundaries where policies (e.g. reduce flood risk) are assigned in Catchment Flood Management Plans. These are long-term policies for inland flood risk management and do not necessarily relate to standards of protection or defences (flooding form the sea is dealt with in the Shoreline Management Plan). These policies should be used in conjunction with the CFMP Action Plan.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B27C6A9A9-5645-4405-96A7-20B931A57FFA%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Geometry has been derived from Ordnance Survey 1:50,000 Scale Raster and Boundary-Line. Data can be provided if the requestor holds an appropriate licence for the aforementioned data or under other conditions set out in the PGA2 e.g. Data can be supplied if a project or defined activity supports our primary function (not involving selling data) and where the outputs shall belong to us or fixed image. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| EA\_REGION | EA Region | **Y** | **Y** | **Y** |
| CFMP | The Catchment Flood Management Plan in which this area resides | **Y** | **Y** | **Y** |
| POLICYUNIT | Name of the Policy Unit | **Y** | **Y** | **Y** |
| POLICY | The CFMP Policy applicable to this policy unit | **Y** | **Y** | **Y** |
| DRAFT | Whether or not the CFMP is currently draft | **Y** | **Y** | **Y** |
| AREA\_SQKM | Policy Unit Area km2 | **Y** | **Y** | **Y** |

### 

### Coastal Design/Extreme Sea Levels (AfA188)

|  |
| --- |
| **Description**  GIS dataset and supporting information providing design / extreme sea level and typical surge information around the coastline of England and Wales under present day conditions. Data for Scotland is available from the Scottish Environment Protection Agency (SEPA).  This is a specialist dataset which informs on work commenced around the coast ranging from coastal flood modelling, scheme design, strategic planning and flood risk assessments.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BE238CB8C-7103-4806-94EF-F72C786FA0F9%7D>  **Update frequency**  No updates  **Supply frequency**  One-off supply  **Third Party Prior Rights**  **Data Contact / Supply**  Local requests will be dealt with by local FCRM Flood Risk Mapping and Data Management teams  National and regional GIS team  **Format Supplied**  ArcGIS  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Extreme Sea Level values (GIS shapefile)** | | | | |
| Geometry | Point  British National Grid | **Y** | **Y** | **Y** |
| Chainage | Describes the distance, in km, from Newlyn (clockwise) along the Chainage line | **Y** | **Y** | **Y** |
| T1 | Describes the extreme sea levels for 16 different annual probabilities of exceedance (AEPs or return periods) in mAOD | **Y** | **Y** | **Y** |
| T2 | **Y** | **Y** | **Y** |
| T5 | **Y** | **Y** | **Y** |
| T10 | **Y** | **Y** | **Y** |
| T20 | **Y** | **Y** | **Y** |
| T25 | **Y** | **Y** | **Y** |
| T50 | **Y** | **Y** | **Y** |
| T75 | **Y** | **Y** | **Y** |
| T100 | **Y** | **Y** | **Y** |
| T150 | **Y** | **Y** | **Y** |
| T200 | **Y** | **Y** | **Y** |
| T250 | **Y** | **Y** | **Y** |
| T300 | **Y** | **Y** | **Y** |
| T500 | **Y** | **Y** | **Y** |
| T1000 | **Y** | **Y** | **Y** |
| T10000 | **Y** | **Y** | **Y** |
| Island | Text field describing whether the data relates to UK mainland (‘main’) or one of the main islands (e.g. ‘IOW’ for Isle of Wight) | **Y** | **Y** | **Y** |
| Base\_Year | Calendar Year for which the analysis was conducted | **Y** | **Y** | **Y** |
| **Extreme Sea Level Confidence information (GIS shapefile)** | | | | |
| Geometry | Point  British National Grid | **Y** | **Y** | **Y** |
| Chainage | Describes the distance, in km, from Newlyn (clockwise) along the Chainage line | **Y** | **Y** | **Y** |
| T1 | Describes the extreme sea levels for 16 different annual probabilities of exceedance (AEPs or return periods) in mAOD | **Y** | **Y** | **Y** |
| T2 | **Y** | **Y** | **Y** |
| T5 | **Y** | **Y** | **Y** |
| T10 | **Y** | **Y** | **Y** |
| T20 | **Y** | **Y** | **Y** |
| T25 | **Y** | **Y** | **Y** |
| T50 | **Y** | **Y** | **Y** |
| T75 | **Y** | **Y** | **Y** |
| T100 | **Y** | **Y** | **Y** |
| T150 | **Y** | **Y** | **Y** |
| T200 | **Y** | **Y** | **Y** |
| T250 | **Y** | **Y** | **Y** |
| T300 | **Y** | **Y** | **Y** |
| T500 | **Y** | **Y** | **Y** |
| T1000 | **Y** | **Y** | **Y** |
| T10000 | **Y** | **Y** | **Y** |
| **Estuary boundaries (GIS shapefile)** | | | | |
| Geometry | Polyline  British National Grid | **Y** | **Y** | **Y** |
| **Surge Shape locations (GIS shapefile)** | | | | |
| Geometry | Polyline  British National Grid | **Y** | **Y** | **Y** |
| ID | Null field | **Y** | **Y** | **Y** |
| Profile | Integer number referring to the typical surge shape which is applicable at this location. This number relates to a separate worksheet in the Surge Shape Excel file which allows users to extract the relevant data. | **Y** | **Y** | **Y** |
| Donor\_site | Name of the strategic tide gauge whose data has been used to develop this relevant surge shape | **Y** | **Y** | **Y** |
| Location | Textual attribute describing where this surge shape is applicable. For instance between ‘Salcombe to Lizard point’ | **Y** | **Y** | **Y** |
| **Surge Shape data (excel spreadsheet)** | | | | |
| Contains several worksheets:  ‘Locations’ – matching surge profile numbers to names (as per surge shape location GIS shapefile)  ‘Donor surge shapes’ – containing the numeric data making up the individual surge shapes  40 individual sheets, numbered 1- 40 - containing graphs for each surge shape | | **Y** | **Y** | **Y** |
| **Tide gauge locations (GIS shapefile)** | | | | |
| Geometry | Point  British National Grid | **Y** | **Y** | **Y** |
| Site | Name of the tide gauge | **Y** | **Y** | **Y** |
| GRIDREF | Tide gauge grid reference | **Y** | **Y** | **Y** |
| LAT | Latitude | **Y** | **Y** | **Y** |
| LONG | Longitude | **Y** | **Y** | **Y** |
| EASTING | Easting | **Y** | **Y** | **Y** |
| NORTHING | Northing | **Y** | **Y** | **Y** |
| GAUGE | Gauge type: Primary, Validation etc. | **Y** | **Y** | **Y** |

### Coastal Extreme Swell Wave Conditions (AfA189)

|  |
| --- |
| **Description**  GIS dataset and supporting information providing information on offshore extreme swell wave conditions around the UK mainland coastline under present day conditions.  This is a specialist dataset which informs the Environment Agency’s work around the coast ranging from coastal flood modelling to scheme design.  **Issues to Note**  Because of our legal duties under Section 197 of the Water Resources Act no charge can be made when supplying this information to water companies for their statutory purposes.  **AfA Category**  AfA (Publication Scheme)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BA39783B8-EBFD-444C-9480-143877B260B3%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  **Data Contact / Supply**  Local requests will be dealt with by local FCRM Flood Risk Mapping and Data Management teams.  **Format Supplied**  Shapefile and csv files.  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Includes EIR and proactive supply but excludes unlimited licensing see below:  These data could be licensed in pursuance of the Environment Agency’s Public Task where a ‘Special Licence – Co-Deliverer’ would be used. Can be disclosed under a Standard Notice if classified as Non-Special data i.e. 10 points or less or fixed format. These data are available to disclose when responding to requests to information under EIR/FoI. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Coastal Extreme Swell Wave (comprises 1005 csv files for Height, Height Confidence, Period)** | | | | |
| Directions | Swell wave direction:   * North * North East * South East * South * South West * North West | **Y** | **Y** | **N** |
| T1 | Describes the extreme swell levels for 16 different annual probabilities of exceedance (AEPs or return periods) in mAOD | **Y** | **Y** | **N** |
| T2 | **Y** | **Y** | **N** |
| T5 | **Y** | **Y** | **N** |
| T10 | **Y** | **Y** | **N** |
| T20 | **Y** | **Y** | **N** |
| T25 | **Y** | **Y** | **N** |
| T50 | **Y** | **Y** | **N** |
| T75 | **Y** | **Y** | **N** |
| T100 | **Y** | **Y** | **N** |
| T150 | **Y** | **Y** | **N** |
| T200 | **Y** | **Y** | **N** |
| T250 | **Y** | **Y** | **N** |
| T300 | **Y** | **Y** | **N** |
| T500 | **Y** | **Y** | **N** |
| T1000 | **Y** | **Y** | **N** |
| **Extreme Swell Wave analysis points (GIS shapefile)** | | | | |
| Geometry | Point  British National Grid | **Y** | **Y** | **N** |
| ID\_WAVE | Identifier | **Y** | **Y** | **N** |
| Easting | Easting on BNG | **Y** | **Y** | **N** |
| Northing | Northing on BNG | **Y** | **Y** | **N** |
| Chain\_ref1 | Text field describing whether the data relates to UK mainland (‘main’) or one of the main islands (e.g. ‘IOW’ for Isle of Wight) | **Y** | **Y** | **N** |
| Chain\_ref2 | Text field describing the part of the coastline e.g. SW, W, NW, N, NE, SE, S. | **Y** | **Y** | **N** |
| Chain\_Val | Describes the distance, in km, from Newlyn (clockwise) along the Chainage line | **Y** | **Y** | **N** |
| Met\_ref | Text field giving the Met Office reference for this datapoint from their Wave Watch II model | **Y** | **Y** | **N** |
| Height | Text field giving the name for the separate data file containing the analysis results for swell wave height at this location | **Y** | **Y** | **N** |
| Period | Text field giving the name for the separate data file containing the analysis results for swell wave period at this location | **Y** | **Y** | **N** |
| Confidence | Text field giving the name for the separate data file containing the confidence information around swell wave height analysis results at this location | **Y** | **Y** | **N** |

### Coastal Overview Map (AfA139)

|  |
| --- |
| **Description**  The Coastal Overview data layers identifies the lead authority for the management of discrete stretches of the English coast as defined by the Seaward of the Schedule 4 boundary of the Coastal Protection Act 1949. The data are intended as a reference for GIS users and Coastal Engineers with GIS capability to identify the responsible authority or whether the coast is privately owned.  The information has been assigned from the following sources, listed in by preference:   * Shoreline Management Plans 1; * Environment Agency’s RACE database; * Consultation with Coastal Business User Group; and * Local Authority Maritime records where possible.   A confidence rating is attributed based on where the data has been attributed from and the entry derived from the source data.  The following data is intended as a reference document for GIS users and Coastal Engineers with GIS capability to identify the responsible authority and the assigned EA Coastal Engineer so as to effectively manage the coast for erosion and flooding.  The product comprises 3 GIS layers that are based on the OS MasterMap Mean High Watermark and consists of the following data layers that are intended to be displayed as with the confidence factor that the information is correct.   * Coastal Overview Map [Polyline] –details the Lead Authority, EA Contact and other overview information for coast sections; * Coastal Overview Map [Point] – shows the start point of the discrete stretch of coast and the lead authority; and * Coastal Legislative Layer [Polyline] - represents the predominant risk; flooding or erosion, which are assigned to each section of the coastline.   **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B06C5A111-FC9B-4E33-AAF6-749B6B1EDE75%7D>  **Update frequency**  N/A  **Supply frequency**  Quarterly in 2011, six-monthly thereafter  **Third Party Prior Rights**  **Data Contact / Supply**  Data and Information Management  Available on DataShare for some user groups  **Format Supplied**  Polyline/point shapefiles  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Geometry has been derived from Ordnance Survey MasterMap Topography’s MHW. Data can be provided if the requestor holds an appropriate licence for the aforementioned data or under other conditions set out in the PGA2. I.e. Data can be supplied if a project or defined activity supports our primary function (not involving selling data) and where the outputs shall belong to us.  Version 1 of these data have had the comments checked and are available for release. Note that subsequent versions need to be checked before release, or at the time of entry. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Coastal Overview Map [Polyline]** | | | | |
| Shape | Geometry type = Polygon;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| LeadBody | Lead Body exercising permissive powers | **Y** | **Y** | **Y** |
| Ref | Reference or information source | **Y** | **Y** | **Y** |
| ConfBody | Confidence in accuracy of the Lead Body (Red / Amber / Green) entry. | **Y** | **Y** | **Y** |
| ConfStart | Confidence in accuracy of start point coordinate (Red / Amber / Green) | **Y** | **Y** | **Y** |
| Comments | Any comments or contextual information | **N** | **N** | **N** |
| EAContact | EA coastal engineer assigned to provide information | **Y** | **Y** | **Y** |
| Length | Length of coastal section in metres | **Y** | **Y** | **Y** |
| EALA | Indicator of whether Lead Body is EA or an LA | **Y** | **Y** | **Y** |
| Flood | Indicator of overlap with flooding process in Legislation layer | **Y** | **Y** | **Y** |
| Region | EA region within which the section lies | **Y** | **Y** | **Y** |
| **Coastal Overview Map [Point]** | | | | |
| Shape | Geometry type = Polygon;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| LeadBody | Lead Body of the subsequent section (clockwise around English coast) | **Y** | **Y** | **Y** |
| Ref | Reference or information source | **Y** | **Y** | **Y** |
| ConfBody | Confidence in accuracy of the Lead Body (Red / Amber / Green) entry. | **Y** | **Y** | **Y** |
| ConfStart | Confidence in accuracy of start point coordinate (Red / Amber / Green) | **Y** | **Y** | **Y** |
| StartX | X coordinate of start point | **Y** | **Y** | **Y** |
| StartY | Y coordinate of start point | **Y** | **Y** | **Y** |
| **Coastal Legislation [Polyline]** | | | | |
| Shape | Geometry type = Polyine;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| Process | Process occurring (Flooding / Erosion) | **Y** | **Y** | **Y** |
| Act | Act which applies based on process occurring | **Y** | **Y** | **Y** |
| Length | Length of coastal section in metres calculated from the coastline in GIS. | **Y** | **Y** | **Y** |

### Flood and Coastal Erosion Risk Management Frequent Maintenance Programme for England (AfA266)

**Description**

Flood and Coastal Erosion Risk Management Frequent Maintenance Programme data shows the annual planned work schedules for frequent maintenance of watercourses and assets, such as channels, raised defences, structures and reservoirs carried out by the Environment Agency to reduce flooding in England. Other data about maintenance is available.

As this programme is updated annually it will only show the programme for the current year and accordingly cannot be used to identify accurately what work was done historically or more than a year ahead.

Maps show the areas where investment is being made to manage flood and coastal erosion risk. They are not detailed enough to show the impact they may have on individual addresses, which may not always face the same risk of flooding as the areas that surround them.

Funding figures are indicative and any use or interpretation should account for future updates where annual values may change.

Flood and Coastal Erosion Risk Management Intermittent Maintenance Programme is also available.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={4DE63E06-FF7E-44B0-8662-8927C58F35CA}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b4DE63E06-FF7E-44B0-8662-8927C58F35CA%7d)

**Update frequency**

Annual

**Supply frequency**

On request

**Third Party Prior Rights**

N/A

**Data Contact / Supply**

**Format Supplied**

Excel; ESRI Shapefile

**Special Conditions**

None

**Information Warning**

Maps show the areas where investment is being made to manage flood and coastal erosion risk. They are not detailed enough to show the impact they may have on individual addresses, which may not always face the same risk of flooding as the areas that surround them.

Funding figures are indicative and any use or interpretation should account for future updates where annual values may change.

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| GROUP\_CODE | Flood Risk Management System Code | **Y** | **Y** | **Y** |
| FRMS\_NAME | Flood Risk Management System Name i.e. relevant | **Y** | **Y** | **Y** |
| CONSEQUENC | Flood Risk Consequence Rating. Options are: Low, Medium or high as an indication of the degree of severity of the consequence of lack of maintenance | **Y** | **Y** | **Y** |
| REGION | Environment Agency Region | **Y** | **Y** | **Y** |
| RFCC | Regional Flood and Coastal Erosion Committee for watercourse/asset | **Y** | **Y** | **Y** |
| FDGIA | Flood Defence Grant in Aid (£k) for this watercourse/asset | **Y** | **Y** | **Y** |
| WH | Standard Maintenance Activity (SMA) - Weed cut by hand | **Y** | **Y** | **Y** |
| WM | SMA - Weed cut by machine | **Y** | **Y** | **Y** |
| MC | SMA - Maintain channel | **Y** | **Y** | **Y** |
| OB | SMA - Obstruction removal | **Y** | **Y** | **Y** |
| EM | SMA - Environment management | **Y** | **Y** | **Y** |
| GH | SMA - Grass cut by hand | **Y** | **Y** | **Y** |
| GM | SMA - Grass cut by machine | **Y** | **Y** | **Y** |
| VM | SMA - Vermin control | **Y** | **Y** | **Y** |
| TW | SMA – Treework e.g. removing from channel | **Y** | **Y** | **Y** |
| IR | SMA - Defence repair | **Y** | **Y** | **Y** |
| RS | SMA - Flood reservoir work | **Y** | **Y** | **Y** |
| MS | SMA - Maintain structure e.g. Minor repair works to a flood wall or embankment | **Y** | **Y** | **Y** |
| AI | SMA - Condition inspection. Assessment of the serviceability of a flood risk management asset e.g. is the sea wall structurally sound? | **Y** | **Y** | **Y** |
| OI | SMA - Operational inspection. Assessment of the operation of a flood risk management asset e.g. sluice gate opens and closes | **Y** | **Y** | **Y** |
| IM | SMA - System monitoring. Appraising the best way to manage maintenance activities on a group- of assets in a given area or asset system | **Y** | **Y** | **Y** |
| IS | SMA - System operation. Appraising how we are managing maintenance activities on a group of assets in a given area or asset system | **Y** | **Y** | **Y** |
| FR | SMA - Planned maintenance. Long term maintenance activity that reduces short term costs on watercourses and fixed assets e.g. routine grill clearance to prevent blockages. | **Y** | **Y** | **Y** |
| RE | SMA - Unplanned works. Reactive maintenance activities e.g. repairing breaches or removing blockages. | **Y** | **Y** | **Y** |
| RL | SMA - Reliability works e.g. efficiency studies on trialling new technology | **Y** | **Y** | **Y** |

### Flood and Coastal Erosion Risk Management Intermittent Maintenance Programme for England (AfA267)

**Description**

Flood and Coastal Erosion Risk Management Intermittent Maintenance Programme data shows the annual planned work schedules for intermittent maintenance of watercourses and assets, such as channels, raised defences, structures and reservoirs carried out by the Environment Agency to reduce flooding in England.

As this programme is updated annually it will only show the programme for the current year and accordingly cannot be used to identify accurately what work was done historically or more than a year ahead.

Maps show the areas where investment is being made to manage flood and coastal erosion risk. They are not detailed enough to show the impact they may have on individual addresses, which may not always face the same risk of flooding as the areas that surround them.

Funding figures are indicative and any use or interpretation should account for future updates where annual values may change

Flood and Coastal Erosion Risk Management Frequent Maintenance Programme is also available.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={C7BA965B-2AA5-4154-B232-95AA324D3422}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bC7BA965B-2AA5-4154-B232-95AA324D3422%7d)

**Update frequency**

Annual

**Supply frequency**

On request

**Third Party Prior Rights**

N/A

**Data Contact / Supply**

**Format Supplied**

Excel; ESRI Shapefile

**Special Conditions**

None

**Information Warning**

Maps show the areas where investment is being made to manage flood and coastal erosion risk. They are not detailed enough to show the impact they may have on individual addresses, which may not always face the same risk of flooding as the areas that surround them.

Funding figures are indicative and any use or interpretation should account for future updates where annual values may change.

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| GROUP\_CODE | Flood Risk Management System Code | **Y** | **Y** | **Y** |
| FRMS\_NAME | Flood Risk Management System Name for the watercourse/asset | **Y** | **Y** | **Y** |
| CONSEQUENCE | Flood Risk Consequence Rating. Options are: Low, Medium or high as an indication of the degree of severity of the consequence of lack of maintenance. | **Y** | **Y** | **Y** |
| REGION | Environment Agency Region | **Y** | **Y** | **Y** |
| FDGIA | Flood Defence Grant in Aid (£k) for this asset | **Y** | **Y** | **Y** |
| DESCRIPTION | Description of work to be done e.g. obstruction removal, grass cut by hand. | **Y** | **Y** | **Y** |
| PRIMARY | Primary Activity Main reason for carrying out the maintenance e.g. flood risk, water level management and leisure. | **Y** | **Y** | **Y** |
| SECONDARY | Secondary Activity Secondary reason for carrying out the work (if any), e.g. flood risk, water level management and leisure. | **Y** | **Y** | **Y** |
| ASSET\_TYPE | Type of Asset e.g. channels, raised defences, structures, reservoirs | **Y** | **Y** | **Y** |
| ACTIVITY | Activity e.g. repairs, dredging and desilting. | **Y** | **Y** | **Y** |

### Flood Map (AfA031)

|  |
| --- |
| **Description**  The Flood Map shows the areas across England and Wales that could be affected by flooding from rivers or the sea. It also shows flood defences and the areas that benefit from them. Flood Map is designed to raise awareness among the public, local authorities and other organisations of the likelihood of flooding, and to encourage people living and working in areas prone to flooding to find our more and take appropriate action.  The Flood Map includes the following layers of information:   * **Flood Zone 3** is the Agency’s best estimate of the areas of land with a 100 to 1 (or greater) chance of flooding each year from rivers, or with a 200 to 1 chance (or greater) of flooding each year from the sea. * **Flood Zone 2** is the Agency’s best estimate of the areas of land between Zone 3 and the extent of the flood from rivers or the sea with a 1000 to 1 chance of flooding in any year. It includes those areas defined in flood zone 3. * **Spatial Flood Defences (without standardised attributes)** shows those defences constructed during the last five years with a standard of protection equal to or better than 1 percent for rivers and 0.5 percent from the sea. (Some additional defences area also shown.) * **Areas Benefiting from Flood Defences** shows those areas that would benefit from the presence of defences in a 1 percent fluvial / 0.5 percent tidal flood event. * **Flood Storage Areas** shows those areas that act as a balancing reservoir, storage basin or balancing pond. Their purpose is to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel. It may also delay the timing of a flood peak so that its volume is discharged over a longer time interval.   **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={7E5EF1D0-4AB4-499B-8EB6-DE42CE10C89E}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b7E5EF1D0-4AB4-499B-8EB6-DE42CE10C89E%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={9AA19C91-345B-4702-8018-86E5795CC75D}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b9AA19C91-345B-4702-8018-86E5795CC75D%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={81BCB4D3-E4EE-4636-A5A5-44C09EFD6DAF}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b81BCB4D3-E4EE-4636-A5A5-44C09EFD6DAF%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={7BAEF89E-77BE-42BD-B1C1-F9F93B77B7AA}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b7BAEF89E-77BE-42BD-B1C1-F9F93B77B7AA%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={91CDE73C-B7AD-42AE-BEA9-D2B389623648}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b91CDE73C-B7AD-42AE-BEA9-D2B389623648%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  **Data Contact / Supply**  Data & Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Information Warning should be included when licensed externally. The Information Warning is in the process of being updated, please contact DataInfo. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **The only available data is held in shape formats, unless there are specific requests for attributes, in which case, these requests will need further assessing.** | | | | |
| Table 1 – Flood Zone 2 | Flood Zones 2 [part of Flood Map] | **Y** | **Y** | **Y** |
| Table 2 – Flood Zone 3 | Flood Zones 3 [part of Flood Map] | **Y** | **Y** | **Y** |
| Table 3 – Flood Defence Assets | Flood Defences [part of Flood Map] | **Y** | **Y** | **Y** |
| Table 4 – Flood Storage Area | Flood Storage Areas [part of Flood Map] | **Y** | **Y** | **Y** |
| Table 5 – Area Benefiting | Areas Benefiting from Flood Defences [part of Flood Map] | **Y** | **Y** | **Y** |

### Flood Zone Depth Grid Dataset 2004 (AfA238)

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| --- |
| **Description**  This dataset is a series of four layers using.  • Flood Zone 2 fluvial flooding  • Flood Zone 3 fluvial flooding  • Flood Zone 2 coastal flooding  • Flood Zone 3 coastal flooding  Each layer shows the modelled water depths on a 5m grid.  As part of the National Generalised Modelling for Flood Zones that was completed in 2004, the calculation processes produced these water depths / levels as a by-product. Since the modelling methods were developed, tested and reviewed for production of the Flood Zone extents only, we currently have no information on the accuracy of this data.  The data is a product derived from the 2004 generalised modelling used to define the flood extents used in Flood Zones, using HYDROF and JFLOW.  Climate change depth difference data provides a high-level sensitivity analysis of the possible effects of climate change based on a time scale of around 50 years, but is not part of this dataset.  **Issues to Note**  Up to 5 points can always be released with a Copyright Statement and Disclaimer. More then 5 points should only be released subject to a standard EIR assessment that takes into account CEH’s IPR, and then be supplied with a Copyright Statement and Disclaimer.  As part of the National Generalised Modelling for Flood Zones that was completed in 2004, the calculation processes produced these water depths / levels as a by-product. Since the modelling methods were developed, tested and reviewed for production of the Flood Zone extents only, we currently have no information on the accuracy of this data.  **AfA Category**  AfA (Information Requests Only)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B73751399-6430-46AD-842D-988623FEE7B5%7D>  **Update frequency**  Not updated  **Supply frequency**  By request  **Third Party Prior Rights**  **Data Contact / Supply**  Area Flood risk Mapping and Data teams for local requests.  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  This dataset is not suitable for use in site specific Flood Risk Assessments or Strategic Flood Risk Assessments and must not normally be used for these studies. However, where in exceptional circumstances Nationalised Generalised Modelling outputs are requested to be used for anything other than at a broad catchment or Shoreline Management Plan coastal cell scale further verification should be undertaken. As part of this verification the outputs must be proven to be suitable and appropriate bearing in mind the conclusions the user wishes to draw from them and this use must be agreed in writing by the local Environment Agency staff.  Some flood zone extents may not have been based on this dataset, especially where better quality information was available. Some flood zones originally based on this dataset may have subsequently been updated based on better information.  **Guidance** |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| NAME | Ordnance Survey 10km grid tile name (numeric format) e.g. SX59 | **Y** | **N** | **N** |
| NOTES |  | **Y** | **N** | **N** |
| DEPTH\_DATA | Supply status e.g. Expected / Not Expected | **Y** | **N** | **N** |
| OS5k\_REF | Ordnance Survey 5km grid tile name (numeric format) e.g. SX5090 | **Y** | **N** | **N** |
| OS5k\_LABEL | Ordnance Survey 5km grid tile name (text format) e.g. SX59sw | **Y** | **N** | **N** |
| **Raster Attribution** | | | | |
| X-COORDINATE | X-Coordinate of the point | **Y** | **N** | **N** |
| Y-COORDINATE | Y-Coordinate of the point | **Y** | **N** | **N** |
| DEPTH | Depth of the point | **Y** | **N** | **N** |

### HiFlows-UK (AfA120)

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| **Description**  HiFlows-UK is a dataset of peak flow and levels at river flow gauging stations.  Data is available for sites operated by Environment Agency (England and Wales authority) and other UK gauging authorities including SEPA (Scotland authority), DARD (NI authority).  The main users are gauging authorities and consultants. The data and metadata are freely available on the Environment Agency [web-pages](http://www.environment-agency.gov.uk/hiflows/91727.aspx).  The primary purpose of the dataset is to allow flood peak data of various sources to be stored together and made readily available for tasks such as flood frequency analysis.  The data in HiFlows-UK is geo-referenced.  The AMAX and POT Data as well as station and catchment descriptors are available to view on the web-pages as text, tables and/or charts. The data and metadata are also available as downloadable files for use in flood estimation software such as Win-Fap FEH and ReFH, as well as in Excel. Version notes and a list of the gauging stations are also available. Supplementary information such as a glossary and technical notes are provided  Details on the use of HiFlows-UK can be found in the FEH and the EA Flood Estimation Guidelines.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  Annual  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Online, and Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Station name | Station location name | **Y** | **Y** | **Y** |
| NRFA Reference | National River Flow Archive (Unique) reference | **Y** | **Y** | **Y** |
| Gauging Authority | Environment Agency Region, SEPA, DARD operating the site | **Y** | **Y** | **Y** |
| Gauging Authority reference | Reference used by gauging authority – may be the same as NRFA reference | **Y** | **Y** | **Y** |
| Watercourse | e.g. Wye | **Y** | **Y** | **Y** |
| Area | Environment Agency Area, or equivalent | **Y** | **Y** | **Y** |
| Hydrometric Area | e.g. ‘039’ | **Y** | **Y** | **Y** |
| NGR | AA999999 format | **Y** | **Y** | **Y** |
| Catchment Area and Source of Info | e.g. ‘137.3 km2 IH Data Sheet’. | **Y** | **Y** | **Y** |
| Station type | e.g. ‘C’ for Crump, ‘EM’ for Electromagnetic, ‘VA’ for Velocity/Area, ‘US’ for Ultrasonic. | **Y** | **Y** | **Y** |
| FEH Site | Yes/No – Whether included in the Flood Estimation Handbook | **Y** | **Y** | **Y** |
| POT threshold | Flow value, above which individual peaks have been extracted | **Y** | **Y** | **Y** |
| Status | ‘Permanent’ or ‘closed’ | **Y** | **Y** | **Y** |
| Station description | Details of control structure, modularity, instrumentation, datum, surveys, and hydraulic factors affecting flow calculation. | **Y** | **Y** | **Y** |
| Rating Development | Method used to calculate flows, and indication of any limitations to range of calculation. | **Y** | **Y** | **Y** |
| Indicative suitability for QMED | Assessment of standard factors affecting reliability and usability of QMED value. | **Y** | **Y** | **Y** |
| Indicative suitability for pooling | Assessment of standard factors, affecting appropriateness for pooling methodology. | **Y** | **Y** | **Y** |
| Catchment Description | Description of catchment eg land use, geology and hydrogeology | **Y** | **Y** | **Y** |
| Artificial Influences | Indication of any significant artificial influences on flows, i.e. major discharges and abstractions. | **Y** | **Y** | **Y** |
| Catchment changes | Indication of any major changes to the catchment | **Y** | **Y** | **Y** |
| Location map |  | **Y** | **Y** | **Y** |
| Station start | Date records begin | **Y** | **Y** | **Y** |
| Station closed | Date records end (if applicable) | **Y** | **Y** | **Y** |
| Digital data start | Date from which digital recording starts | **Y** | **Y** | **Y** |
| Digital data end | Date digital records end (if applicable) | **Y** | **Y** | **Y** |
| Chart data start | Date from which chart records start | **Y** | **Y** | **Y** |
| Chart data end | Date chart records end (if applicable) | **Y** | **Y** | **Y** |
| CEH POT data start | Date from which Peaks over Threshold start | **Y** | **Y** | **Y** |
| CEH POT data end | Date Peaks over Threshold end (if applicable) | **Y** | **Y** | **Y** |
| Date of last update | Date records were last updated | **Y** | **Y** | **Y** |
| Measured parameter | e.g. Stage, Flow | **Y** | **Y** | **Y** |
| How this is measured | Measurement technique e.g. Ultrasonic | **Y** | **Y** | **Y** |
| Bankfull stage | Height above which water will spill over the bank | **Y** | **Y** | **Y** |
| Height of wing walls | Height of concrete retaining walls where there is a structure such as a weir. | **Y** | **Y** | **Y** |
| Maximum gauged flow | The highest flow at which a confirmatory check gauging has been taken | **Y** | **Y** | **Y** |
| Maximum gauged level | The highest level at which a confirmatory check gauging has been taken | **Y** | **Y** | **Y** |
| Primary purpose | The reason why the gauging station was installed (Flood Warning, Water Resources, Multi-Purpose etc) | **Y** | **Y** | **Y** |
| Method for gauging high flows |  | **Y** | **Y** | **Y** |
| Any previous method |  | **Y** | **Y** | **Y** |
| **Catchment Descriptors** | | | | |
| Area | Catchment Area | **Y** | **Y** | **Y** |
| SAAR | Average annual rainfall (1961-1990) | **Y** | **Y** | **Y** |
| BFIHOST | Baseflow Index from Hydrology Of Soil Type | **Y** | **Y** | **Y** |
| PROPWET | Proportion of the time catchment is wet (specifically, the proportion of time when Soil Moisture deficit was equal to, or below, 6mm during 1961-90) | **Y** | **Y** | **Y** |
| FARL | Flood Attenuation from Rivers and Lakes: measure of the relative sizes of any reservoirs and the total catchment area. | **Y** | **Y** | **Y** |
| URBEXT | Extent of urbanisation in catchment | **Y** | **Y** | **Y** |
| Relative Images | Image of gauging station | **Y** | **Y** | **Y** |
| **AMAX (Annual Maxima)** | | | | |
| Rank | Ranking of peak in the annual maxima series | **Y** | **Y** | **Y** |
| Water Year | Water year of this record | **Y** | **Y** | **Y** |
| Date | Date of annual maximum | **Y** | **Y** | **Y** |
| Time | Time of annual maximum | **Y** | **Y** | **Y** |
| Stage | Stage of annual maximum | **Y** | **Y** | **Y** |
| Flow | Flow of annual maximum | **Y** | **Y** | **Y** |
| Rating | Rating usage (e.g. in range, or extrapolated) | **Y** | **Y** | **Y** |
| Source | Type of source for records (e.g. microfiche, digital archive) | **Y** | **Y** | **Y** |
| Ref | Reference number of rating | **Y** | **Y** | **Y** |
| Available Data | Percentage amount of water year missing. Used when a significant part of a year is missing e.g. at start or end of record, station washed away in flood, long-term refurbishment project. | **Y** | **Y** | **Y** |
| Comments | Reference to any technical assessment/detail/clarification | **Y** | **Y** | **Y** |
| **POT** | | | | |
| Rank | Ranking of peak in the POT (peaks over a threshold) series | **Y** | **Y** | **Y** |
| Date | Date of peak | **Y** | **Y** | **Y** |
| Time | Time of peak | **Y** | **Y** | **Y** |
| Stage | Stage of peak | **Y** | **Y** | **Y** |
| Flow | Flow at peak | **Y** | **Y** | **Y** |
| Rating | Rating (flow calculation equation) usage (e.g. in range, or extrapolated) | **Y** | **Y** | **Y** |
| Source | Type of source for records (e.g. WISKI timeseries, digital archive) | **Y** | **Y** | **Y** |
| Ref | Reference number of rating | **Y** | **Y** | **Y** |
| Comments | Reference to any technical assessment/detail/clarification | **Y** | **Y** | **Y** |
| **Ratings** | | | | |
| Ref | Reference number of rating | **Y** | **Y** | **Y** |
| Limb | Limb (sub-section) of rating | **Y** | **Y** | **Y** |
| Details | Review details of rating | **Y** | **Y** | **Y** |
| Equation | Rating equation itself | **Y** | **Y** | **Y** |
| Start Date | Start date of applicability | **Y** | **Y** | **Y** |
| Max Stage | Maximum stage at which limb applies. | **Y** | **Y** | **Y** |
| End Date | End date of applicability | **Y** | **Y** | **Y** |
| **Missing Data** | | | | |
| Start Date | Start date of missing data period | **Y** | **Y** | **Y** |
| Start Time | Start time of missing data period | **Y** | **Y** | **Y** |
| End Date | End date of missing data period | **Y** | **Y** | **Y** |
| End Time | End time of missing data period | **Y** | **Y** | **Y** |
| Days Missing | Total number of missing days in this period | **Y** | **Y** | **Y** |
| **Datum History** | | | | |
| Datum Start Date | Date from which datum is applicable | **Y** | **Y** | **Y** |
| Datum End Date | Date datum applicability ends (if datum no longer applicable) | **Y** | **Y** | **Y** |
| Datum (mAOD) | Height of datum | **Y** | **Y** | **Y** |
| Control Details | Type of river channel control at site | **Y** | **Y** | **Y** |
| Other Comments | Comments on datum applicability | **Y** | **Y** | **Y** |

### Historic Flood Map (AfA013)

|  |
| --- |
| **Description**  Historic Flood Outlines is the maximum extent of all recorded individual Historic Flood Events Outlines from river, the sea and groundwater springs and shows areas of land that have previously been subject to flooding in England & Wales. The data is updated every three months, but may not change quarter to quarter if there have been any significant flood events in the preceding period. The dataset consists of spatial data only.  Please note that this map shows flooding to the land and does not necessarily indicate that properties within the Historic Flood Map were flooded internally. It is also possible that the pattern of flooding in this area has changed and that this area would now flood under different circumstances. In addition, absence of coverage by the Historic Flood Map for an area does not mean that the area has never flooded, only that we do not currently have records of flooding in this area.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={61F978D7-EE1A-4865-A187-DA9E28A60CFC}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b61F978D7-EE1A-4865-A187-DA9E28A60CFC%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  N/A  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| This dataset is not attributed. | | | | |

### Historic Surface and Groundwater Flooding Data (AfA110)

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| --- |
| **Description**  **Description of information:** Historic Surface and Groundwater Flooding Data is a geodatabase that contains information of past flood events. It contains two feature classes that have been collated from 121 separate organisations records.  Surface Water flooding is defined as follows:  “A surface water flood event that results from rainfall generated overland flow before the runoff enters any watercourse or sewer. Usually associated with high intensity rainfall (typically >30mm/hr) resulting in overland flow and ponding in depressions in the topography but can also occur with lower intensity rainfall or melting snow where the ground is saturated, frozen, developed or otherwise has low permeability. Urban underground sewerage/drainage systems and surface watercourses may be completely overwhelmed preventing drainage. Surface water flooding does not include sewer surcharge in isolation.” [[3]](#footnote-3)erosion”  Groundwater flooding is defined as follows:  “A groundwater flood event results from a rise in groundwater level sufficient for the water table to intersect the ground surface and inundate low lying areas” [[4]](#footnote-4)  We recognise that in collecting historic data, a lot of these events are combined, and it is hard to separate out the contributing sources. In this case, we will capture the information available and where possible state which flooding occurred from any surface or groundwater source in isolation, or in combination with main river.  The geodatabase compromises the following feature classes   1. Historic Flood Point Events – represented as a point data layer, these data hold information on flood events that have occurred at property level. Data has been collated from various sources such as photographs, site measurements, independent surveys and private individuals reporting flood events. As a consequence of the disparate data sources many of the fields are not consistently populated with many unpopulated records. 2. Historic Flood Polygon Events – represented as a polygon data layer, these data hold information on past surface water flood events. Historic flood event data has been collated from a number of sources such as from surveyed data and photographic evidence. In addition to actual flood events, some outlines have been determined from modelled results of past flood events. The final data set consists of discrete polygons for each flood event and a s a consequence flood events overlap.   **Issues to Note**  N/A  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B2708656A-C930-4A79-9C81-E175186F781B%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Historic Flood Point Events** | | | | |
| SHAPE | Geometry type = Point  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| OBJECTID | Object Identifier. | **N** | **N** | **N** |
| Event Name | Identifier attributed to individual events. Some instances named after specific location. | **N** | **N** | **N** |
| Location | Location of flood event at dwelling level i.e. complete address given. | **N** | **N** | **N** |
| Easting | NGR Easting | **N** | **N** | **N** |
| Northing | NGR Northing | **N** | **N** | **N** |
| Historic Level or Modelled Measurement | Field indicating if the record is form either a Historic Level or a Modelled Measurement. | **N** | **N** | **N** |
| Record Date/Model Date | Date dd/mm/yyyy of flood event or modelled result run for. | **N** | **N** | **N** |
| Flood Source | Source of the flood, sewer, pluvial etc. | **N** | **N** | **N** |
| Confidence in Flood Source | Confidence category e.g. Low | **N** | **N** | **N** |
| Flood Depth | Flood depth measurement. Note that standard units of measurement have not been applied. | **N** | **N** | **N** |
| Confidence in Flood Depth | Confidence category e.g. Low | **N** | **N** | **N** |
| Flood Level | Level of flood water at property. | **N** | **N** | **N** |
| Confidence in Flood Level | Confidence rating of Flood Level at property. | **N** | **N** | **N** |
| Data Source | How the flood information has been collated. E.g. Telephone call, Engineer Observation. [check no names, no personal data] | **N** | **N** | **N** |
| Internal Property Flooding | Whether there was any internal flooding: Yes/No. | **N** | **N** | **N** |
| Confidence record at peak | Confidence rating for flood peak. | **N** | **N** | **N** |
| Lineage | Where the information has been collated from previous publications. | **N** | **N** | **N** |
| Sensitive Data | Whether the data record is protect or unmarked. [Who has applied this category – authority – EA amending]. (is this sensitive or actually, was sensitivity marking sent through by water company or have they flagged and the ea converted?) | **N** | **N** | **N** |
| Protective Marking - Descriptor | Protective marking: Private, Protect, Unknown. [as above]. (government markings, | **N** | **N** | **N** |
| Owner | Owner of the data – where it has been supplied from, e.g. name of LA. [check no private individuals names/businesses - none] | **N** | **N** | **N** |
| Photo ID | Unique identifier if photo record is held. | **N** | **N** | **N** |
| Comments | See below | **N** | **N** | **N** |
| GCODE | Flag as to whether the record has been Geocoded or not. I.e. if a spatial reference has been assigned. | **N** | **N** | **N** |
| XY\_SOURCE | NUMERIC FIELD TO CHECK IF LUT | **N** | **N** | **N** |
| SOURCE | Where the information has been sourced, e.g. pluvial, sewer, multiple etc.. NUMERIC FIELD TO CHECK IF LUT | **N** | **N** | **N** |
| **Historic Flood Polygon Events** | | | | |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| OBJECTID | Object Identifier. | **N** | **N** | **N** |
| Flood Event Outline Name | Identifier attributed to individual events. Some instances named after specific location. | **N** | **N** | **N** |
| Event Start Date | Event start date dd/mm/yyyy | **N** | **N** | **N** |
| Event Duration | Duration of flood event | **N** | **N** | **N** |
| Estimated Return Period | Estimated return period to normal levels. | **N** | **N** | **N** |
| Flood Source | Source of flood event e.g. Fluvial – main river, pluvial. | **N** | **N** | **N** |
| Confidence in Flood Source | Confidence rating of flood event source. | **N** | **N** | **N** |
| Case of Flooding | Description of what caused the flood event – e.g. water main/hydrant. | **N** | **N** | **N** |
| Data Owner | Owner/supplier of the flood event data. {check no individuals, if not take check from personal data to Q to A] | **N** | **N** | **N** |
| Residential Properties Flooded | Number of residential properties flooded in flood event if known. | **N** | **N** | **N** |
| Commercial Properties Flooded | Number of commercial properties flooded in flood event if known. | **N** | **N** | **N** |
| Flood Event Outline Source | Original source of flood event outline. | **N** | **N** | **N** |
| Survey Date | Date flood event dd/mm/yyyy if supplied from a survey. | **N** | **N** | **N** |
| Overall Flood Event Outline Confidence | Confidence rating for the flood event outline. | **N** | **N** | **N** |
| Photo ID | Photo identifier if available. | **N** | **N** | **N** |
| Lineage | Where the information has been collated from previous publications. | **N** | **N** | **N** |
| Sensitive Data | Whether the data record is protect or unmarked. As above | **N** | **N** | **N** |
| Protective Marking – Descriptor | Protective marking: Private, Protect, Unknown. As above | **N** | **N** | **N** |
| SOURCE | Where the information has been sourced, e.g. pluvial, sewer, multiple etc.. NUMERIC FIELD TO CHECK IF LUT | **N** | **N** | **N** |

### Indicative Flood Risk Areas (AfA192)

|  |
| --- |
| **Description**  ‘Indicative Flood Risk Areas’ are identified by combining risk to people, critical services and non-residential properties. They are primarily based on the Flood Map for Surface Water (deep - 1 in 200 annual probability rainfall).  The Indicative Flood Risk Areas are based on the Surface Water Flood Risk Exposure Grid (informally referred to as the “blue square map”). This is a 1km grid across England and Wales:   * Surface Water Flood Risk Exposure Grid – 1km square grid that shows places above the flood risk thresholds below, using the 1 in 200 annual probability (deep) Flood Map for Surface Water. * Flood risk thresholds used to generate the “blue Squares”: * Number of people > 200 * Number of critical services, including electricity and water > 1 * Number of non-residential properties > 20 * Cluster Maps – are aggregations of 3km by 3km squares that each contains at least 4 (in Wales) or 5 (in England) touching "blue squares" (i.e. 1km grid squares where one of the thresholds above is exceeded).   The clusters have been ranked by population and a threshold applied to determine ‘Indicative Flood Risk Areas’. Defra/WAG guidance provides more detail of this process. Environmental and Cultural sites have also been ranked as a discrete supporting dataset:   * Environmental and Cultural Sites – Proportion of environmental or number of cultural sites exposed to the 200 year deep surface water outline. Flooding in a site may be beneficial or detrimental for an environmental area.   [Indicators calculated using the Environment Agency's detailed method of counting (based on property outlines).]  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BA1FAE3E5-7F19-4A60-B87D-1EDBE4454E87%7D>  **Update frequency**  This is a stand alone dataset produced specifically for PFRA. No updates are planned.  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data Management  **Format Supplied**  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Geometry has been derived from third party organisations. These data can be disclosed in pursuance of the Environment Agencies public task with a Statutory Licence. Fixed image maps can be used in responding to requests for information and have been produced to supply to Lead Local Flood Authorities. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **“Surface Water Flood Risk Exposure Grid” [Blue Square Maps]** | | | | |
| Geometry | Polygon  British National Grid | **Y** | **Y** | **Y** |
| ID | Grid identifier | **Y** | **Y** | **Y** |
| GRIDSQ | Grid square code | **Y** | **Y** | **Y** |
| Detailed\_Num\_People | Number of people (based on residential property numbers x 2.34) | **Y** | **Y** | **Y** |
| Detailed\_Crit\_Services\_incl\_elec\_and\_water | Number of critical services in 1km square grid exposed to surface water flooding (1 in 200 year event). | **Y** | **Y** | **Y** |
| Detailed\_Non\_Res\_Props | Number of non-residential properties in 1km square grid within the 200 year deep surface water outline. | **Y** | **Y** | **Y** |
| Area\_Flooded\_D200 | Areas of 1km square covered by the 200 year deep surface water outline. | **Y** | **Y** | **Y** |
| Length\_Road\_Rail\_km | Total length of road and rail within the 200 year deep surface water outline. | **Y** | **Y** | **Y** |
| Area\_ALC\_1\_5\_ha | Total area of agricultural land within the 200 year deep surface water outline. | **Y** | **N** | **N** |
| Num\_Listed\_Buildings | Total number of listed buildings within the 200 year deep surface water outline. | **Y** | **N** | **N** |
| Area\_Flooded\_D200\_ha | Total area flooded within 1km square grid. | **Y** | **Y** | **Y** |
| Shape\_Length | - | **Y** | **Y** | **Y** |
| Shape\_Area | - | **Y** | **Y** | **Y** |
| **Cluster Map** | | | | |
| Geometry | Polygon  British National Grid | **Y** | **Y** | **Y** |
| Join\_Count | [No. joins – to delete] | **Y** | **Y** | **Y** |
| Name | Name of the ‘cluster’ e.g. London | **Y** | **Y** | **Y** |
| Rank\_people | Rank given by the number of people exposed to flooding | **Y** | **Y** | **Y** |
| Detailed\_Num\_People | Number of non-residential properties in 1km square grid within the 200 year deep surface water outline. | **Y** | **Y** | **Y** |
| Detailed\_Crit\_Services\_incl\_elec\_and\_water | Number of critical services in 1km square grid exposed to surface water flooding (1 in 200 year event). | **Y** | **Y** | **Y** |
| Detailed\_Non\_Res\_Props | Number of non-residential properties in 1km square grid within the 200 year deep surface water outline. | **Y** | **Y** | **Y** |
| SHAPE\_Length | - | **Y** | **Y** | **Y** |
| SHAPE\_Area | - | **Y** | **Y** | **Y** |
| **Environmental (including Parks and Gardens) and Cultural Sites** | | | | |
| Rank (Percent Flooded) | Site ranked as a percentage of exposure to the 200 year deep surface water outline. | **Y** | **Y** | **Y** |
| Name | Name of site | **Y** | **Y** | **Y** |
| LLFA (more than 1 if in italics) | Lead Local Flood Authority site is located within | **Y** | **Y** | **Y** |
| Country | Country – England/Wales | **Y** | **Y** | **Y** |
| Area Flooded (ha) | Area of site exposed to the 200 year deep surface water outline. | **Y** | **N** | **N** |
| Total Area (ha) | Total site area | **Y** | **N** | **N** |
| Percent Flooded | Percentage based on 5 and 6 above | **Y** | **N** | **N** |
| Extent of Flooding away from rivers/ lakes | Classification – None, Very Minor, Minor, Major, Very Major |  |  |  |
| Comments on land use within site. | Free txt field e.g. River and land adjacent to it, some of which is wooded. | **N** | **N** | **N** |
| Num\_Listed\_Buildings | Total number of listed buildings within the 200 year deep surface water outline. | **Y** | **N** | **N** |

### Infrastructure at Risk to Flooding (AfA127)

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| **Description**  **‘**Infrastructure at Risk to Flooding' is a combination of: Receptors Vulnerable to Flooding Database (RVFD), Flood Zones, NaFRA 2008 Spatial and Areas Susceptible to Surface Water Flooding.  The dataset contains Copy Derived features from the RVFD (itself derived from third party data) which have been attributed with information taken from the other datasets listed above.  As all the input datasets have been approved for access a full assessment has not been made to assess these data. This is because the approval for access category shall be in line with the most restricted input dataset i.e. RVFD.  The data had not been altered through the combination.  The same guidance therefore applies to Infrastructure at Risk as that for the RVFD where the data could be licensed for use to by Local Resilience Forums (LRF). The Building, Social and Summary Flood Vulnerability layers and the Receptors NaFRA Risk Bands, NaFRA 2006 Spatial FLC Grid with RVD and RVF NaFRA Summary Spreadsheet layers may be released for Civil Contingencies Act (CCA) purposes, under a Copyright Statement and Disclaimer.  Our licences for this data expressly permit such use. The Land Cover Flood Vulnerability layer is not approved for any purpose (inc. CCA) as we do not have necessary third party permissions.  However it may be possible to release Land Cover if a formal request is made under the statutory provisions of the CCA and the PAN guidance note on formal CCA requests is followed.  None of the data is available for licensed re-use due to Prior Rights concerns. Any EIR/FOI requests for access need to be individually assessed and, if granted, need to be under the Copyright Statement and Disclaimer. This data is classified as Restricted under the Protective Marking Scheme, based upon potential National Security content issues.  There is also potentially Personal Data issues which is not assessed as being higher than Restricted.  **Issues to Note**  The guidance from the RVFD should be followed. Any request not covered shall require further assessment.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  The Infrastructure at Risk dataset contains Copy Derived features from the RVFD with attribution for the other datasets that in turn have been derived from numerous third party datasets. As all the constituent datasets have under gone the approval for access process and as such a full assessment has not been made to assess the data since the approval for access category shall be in line with the most restricted input dataset i.e. RVFD [See above]. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| See AfA035, 031 and 106 | | **N** | **N** | **N** |

### Mapping All Sources Tool (MAST) (AfA202)

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| --- |
| **Description**  MAST is a piece of prototype software that has been developed to combine sets of flood mapping data representing flooding from different sources (coastal, fluvial, surface water, with and without asset failure, dam break etc) to produce a flood map for multiple sources**.**  **Issues to Note**  AfA is for the application not the data it supplies.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={0D2B4E85-29DE-4257-B34E-18F015AD2ABE}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b0D2B4E85-29DE-4257-B34E-18F015AD2ABE%7d&view=fullHtml)  **Update frequency**  No updates  **Supply frequency**  One-off supply  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Application  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| MAST | Software tool | **Y** | **Y** | **Y** |

### National Coastal Erosion Risk (NCERM) (AfA039)

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| --- |
| **Description**  The National Coastal Erosion Risk map shows the spatial NCERM coastal baseline. This baseline is split to ‘frontages’. These are defined as lengths of coast with consistent characteristics based on the cliff behaviour characteristics and the defence characteristics. It is intended as an up-to-date and reliable benchmark dataset showing erosion extents and rates for three periods:  • Short Term (0 – 20yr);  • Medium Term (20 – 50yr); and  • Long Term (50 – 100yr).  For 5, 50 and 95%-ile confidence levels for (All distances are cumulative over time and given in metres):  • No Active Intervention Policy Scenario; and  • With the implementation of Shoreline Management Plan 2 Policies.  Defence type and SMP policies for each of the three periods described above are included.  Guidance for use is available in NCERM Overview for Professional Partners (document 768\_11)  The data and associated information is intended for guidance - it cannot provide details for individual properties. The NCERM information considers the predominant risk at the coast, although flooding and erosion processes are often linked, and data on erosion of foreshore features are, in general, not included.  The data describes the upper and lower estimates of erosion risk at a particular location, within which the actual location of the coastline is expected to lie.  The data does not estimate the absolute location of the future coastline.  Details of geologically complex areas, known as "complex cliffs" are, in general, not included within the dataset due to the inherent uncertainties associated with predicting the timing and extent of erosion at these locations.  **Issues to Note**  These data exist for England and Wales in discrete SMP-level packages and are currently stored regionally and nationally.  Guidance for use is available in NCERM Overview for Professional Partners (document 768\_11)  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B20EAC6B6-FD15-438F-8D8C-F5C17F4396AF%7D>  **Update frequency**  From 2012 these data are scheduled to be updated at a frequency yet to be confirmed. Project partners are being consulted in early 2012 to set up storage and updating of NCERM data.  **Supply frequency**  Annual  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Environment Agency National Strategic Overview Team  **Format Supplied**  N/A  **Special Conditions**  This information warning should be included in all licenses including a Special Condition to ensure third parties are required to do the same:  1. The data and associated information is intended for guidance - it cannot provide details for individual properties. The NCERM information considers the predominant risk at the coast, although flooding and erosion processes are often linked, and data on erosion of foreshore features are, in general, not included.  2. The data describes the upper and lower estimates of erosion risk at a particular location, within which the actual location of the coastline is expected to lie.  The data does not estimate the absolute location of the future coastline.  Details of geologically complex areas, known as "complex cliffs" are, in general, not included within the dataset due to the inherent uncertainties associated with predicting the timing and extent of erosion at these locations.  **Information Warning**  1. The data and associated information is intended for guidance - it cannot provide details for individual properties. The NCERM information considers the predominant risk at the coast, although flooding and erosion processes are often linked, and data on erosion of foreshore features are, in general, not included.  2. The data describes the upper and lower estimates of erosion risk at a particular location, within which the actual location of the coastline is expected to lie. The data does not estimate the absolute location of the future coastline. Details of geologically complex areas, known as "complex cliffs" are, in general, not included within the dataset due to the inherent uncertainties associated with predicting the timing and extent of erosion at these locations.  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Polyline  British National Grid | **Y** | **Y** | **Y** |
| ST\_NAI\_5 | No Active Intervention retreat distance in metres for the Short Term 5%-ile All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| ST\_NAI\_50 | No Active Intervention retreat distance in metres for the Short Term 50%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| ST\_NAI\_95 | No Active Intervention retreat distance in metres for the Short Term 95%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| MT\_NAI\_5 | No Active Intervention retreat distance in metres for the Medium Term 5%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| MT\_NAI\_50 | No Active Intervention retreat distance in metres for the Medium Term 50%-ile. All distances are cumulative over time and given in metres. | **Y** | **Y** | **Y** |
| MT\_NAI\_95 | No Active Intervention retreat distance in metres for the Medium Term 95%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| LT\_NAI\_5 | No Active Intervention retreat distance in metres for the Long Term 5%-ile.  All distances are cumulative over time and given in metres. | **Y** | **Y** | **Y** |
| LT\_NAI\_50 | No Active Intervention retreat distance in metres for the Long Term 50%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| LT\_NAI\_95 | No Active Intervention retreat distance in metres for the Long Term 95%-ile. All distances are cumulative over time and given in metres. | **Y** | **Y** | **Y** |
| ST\_SMP\_5 | Short Term SMP Policy retreat distance in metres for the 5%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| ST\_SMP\_50 | Short Term SMP Policy retreat distance in metres for the 50%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| ST\_SMP\_95 | Short Term SMP Policy retreat distance in metres for the 95%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| MT\_SMP\_5 | Medium Term SMP Policy retreat distance in metres for the 5%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| MT\_SMP\_50 | Medium Term SMP Policy retreat distance in metres for the 50%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| MT\_SMP\_95 | Medium Term SMP Policy retreat distance in metres for the 95%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| LT\_SMP\_5 | Long Term SMP Policy retreat distance in metres for the 5%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| LT\_SMP\_50 | Long Term SMP Policy retreat distance in metres for the 50%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| LT\_SMP\_95 | Long Term SMP Policy retreat distance in metres for the 95%-ile. All distances are cumulative over time and given in metres | **Y** | **Y** | **Y** |
| DEFTYEP | Defence Type as utilised in the NCERM model: Embankment, Seawall, Natural etc. | **Y** | **Y** | **Y** |
| ST\_SMP | Short Term Shoreline Management Plan Policy:   * Hold the line * Managed Realignment * No interactive Intervention | **Y** | **Y** | **Y** |
| MT\_SMP | Medium Term Shoreline Management Plan Policy | **Y** | **Y** | **Y** |
| LT\_SMP | Long Term Shoreline Management Plan Policy | **Y** | **Y** | **Y** |
| MID\_X | Easting for the mid point of the section of foreshore that has been assessed. | **Y** | **Y** | **Y** |
| MID\_Y | Northing for the mid point of the section of foreshore that has been assessed. | **Y** | **Y** | **Y** |
| Shape\_Leng | Length of the frontage (in metres) | **Y** | **Y** | **Y** |
| Feat\_Type | Feature Type (either Erodible, Floodable or Complex Cliff) | **Y** | **Y** | **Y** |
| ST\_NAI\_5 | No Active Intervention retreat distance in metres for the Short Term 5%-ile | **Y** | **Y** | **Y** |

### National Property Dataset 2005 (AfA077)

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| **Description**  The National Property Dataset (NPD) 2005 (2) is a dataset that provides characteristics of residential and non-residential properties in terms of their location, type, use, value and size based on combining Valuation Office Agency’s (VOA) Non-residential rating data and OS MasterMap Address Layer. The dataset is created to support property damage assessments from flooding on behalf of the Environment Agency and is a revised version of the National Property Dataset. The National Property Dataset is produced annually (approximately) or following a significant update in the source datasets, for example after a full revaluation by the VOA.  The NPD is created by matching the address details of the VOA rating data, Land Registry Average House prices, by Local Authority and the OS MasterMap Address data. The rating data provide an indication of the value and use of non-residential properties, which can be used to assess damages from, for example, flooding. It also gives the address of each property for which rates are due. The OS MasterMap Address data gives the geographical location for each known postal address in England and Wales. By matching VOA to the Address data spatial and economic analysis can be undertaken in conjunction with other spatial datasets, e.g. flood maps. The data format and content of both sources are significantly different and this limits the success of the matching procedure.  **Issues to Note**  These data have been superseded by the National Receptors Database (AfA171)  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  These data have been superseded by the National Receptors Database (AfA171)  **Guidance**  IP and contractual rights are owned by third party organisations (OS, Land Resgistery and VOA). Environment Agency approved fields could be released alongside TOID to enable OS licence holders to use the data. Where a licence is held for VOA and OS MasterMap, VOA Code and TOID may be released since the matching process has already been undertaken by the Environment Agency. It is of note that many of the Environment Agency fields were not populated in the creation of the NPD. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| ON | Name of organisation that occupies the property. **(Ordnance Survey)** | **N** | **N** | **N** |
| BN | Property number in the address. **(Ordnance Survey)** | **N** | **N** | **N** |
| BD | Name of the property, or numbers if the address spans two properties (e.g. 34-36 Highstreet), or sub-numbers (e.g. 7D, Highstreet), or a given name (e.g. Rose Cottage). **(Ordnance Survey)** | **N** | **N** | **N** |
| SB | Sub-Building Name, e.g. Flat 3. **(Ordnance Survey)** | **N** | **N** | **N** |
| TN | Thoroughfare road or street, e.g. High Street. **(Ordnance Survey)** | **N** | **N** | **N** |
| PT | Postal town or city e.g. Brighton. **(Ordnance Survey)** | **N** | **N** | **N** |
| CN | County e.g. Wiltshire **(Ordnance Survey)** | **N** | **N** | **N** |
| PC | Postcode. **(Ordnance Survey)** | **N** | **N** | **N** |
| TOID | Topographic Identifier that is a unique reference of an address (point) feature. **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| AREATOID | Topographic identifier which is a unique reference of a polygon (building) feature. **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| Easting | X coordinate of address location. **(Ordnance Survey)** | **N** | **N** | **N** |
| Northing | Y coordinate of address location. **(Ordnance Survey)** | **N** | **N** | **N** |
| PosQual | Positional quality that indicates whether the address location is in its final or provisional position. **(Ordnance Survey)** | **N** | **N** | **N** |
| Floor Area | Calculated total area of a building footprint (calculated from polygon). **(Ordnance Survey)** | **N** | **N** | **N** |
| DCODE | Code for the type of use (such as school), of the property. **(Ordnance Survey based on VOA Ratings List)** | **N** | **N** | **N** |
| Description | Description of type of use of the property. **(VOA Ratings List)** | **N** | **N** | **N** |
| RVAL | Rateable value, indication of the value of the property measure that represents the annual rental value that could be generated from a property if it were available on the open market. **(VOA Ratings List)** | **N** | **N** | **N** |
| PartDomestic | Flagged if part of the property is used for domestic purposes. **(VOA Ratings List)** | **N** | **N** | **N** |
| VO Code | Unique identifier for VOA. **(VOA Ratings List)** | **N** | **N** | **N** |
| Valuation | Calculated field for the likely capital value of the property based on Rateable Value and Yield per region. **(Environment Agency/Land Registery)** | **N** | **N** | **N** |
| AreaComments | Comment about source of floor area, if not determined from OS MasterMap. **(Environment Agency)** This would need to be assessed since it is a Free Text field. | **N** | **N** | **N** |
| Area DQS | Data quality score of floor area. From OS MasterMap DQS = 1. **(Environment Agency)**. | **Y** | **Y** | **Y** |
| Floor Level | Flag to indicate at what floor level the property actually is derived from text such as ‘1st Floor, ‘Basement’ contained within the Address field. (pU=potential upper, pG=potential ground, pB=potential business, rU=recorded upper, dG=definite ground, dB=definite basement). **(Environment Agency)** | **N** | **N** | **N** |
| Threshold | Flood level threshold i.e. the height flood water is required to reach before the building is flooded. - **not filled in during NPD creation**, to be filled in from local survey or post event surveys if available. **(Environment Agency)** | **Y** | **Y** | **Y** |
| Threshold comment | Not filled in during NPD creation, to be filled in from local surveys or post event surveys if available. **(Environment Agency)** | **N** | **N** | **N** |
| Threshold DQS | Threshold Data Quality Score - **not filled in during NPD creation**, to be filled in from local surveys or post event surveys if available. **(Environment Agency)** | **Y** | **Y** | **Y** |
| MatchDQS | Data quality of matching process. Exact or non-exact match = 1, Random match = 3 (this applies to non-residential properties only). **(Environment Agency)** | **Y** | **Y** | **Y** |
| MatchDQSComment | Comment added if changes are made to MatchDQS. **(Environment Agency)** | **N** | **N** | **N** |
| DQS | Overall data quality score – not filled in. **(Environment Agency)** | **N** | **N** | **N** |
| LocalID | Unique identifier within the postal area. **(Environment Agency)** | **Y** | **Y** | **Y** |
| LocalAuthority | Name of local authority. **(Environment Agency)** | **Y** | **Y** | **Y** |
| HouseType | Derived from spatial properties of the OS MasterMap building layer. Detached (DET), Semi-Detached (SDET), Terrace (TERR), Apartments (FLAT). **(Environment Agency)** | **N** | **N** | **N** |
| ResValue | Residential property value based on house type, local authority and Land Registry prices. **(Environment Agency)** | **N** | **N** | **N** |

### National Property Dataset 2008 (AfA112)

|  |
| --- |
| **Description**  The National Property Dataset (NPD) 2008 is a dataset that provides information about each property in England and Wales, including address, Ordnance Survey Topographic unique identifier (TOID), type, floor area and for many properties also an estimated value. This property dataset can be used to estimate damages to properties from flooding, or to carry out property counts in selected areas. The dataset contains the full address data and geographical location from the OS MasterMap AddressLayer 2 and could as such be used in creating mailing lists. The address data is correct for September 2008.  The NPD is created by matching the address details of the VOA rating data, Land Registry Average House prices, by Local Authority (April-June 2008) and the OS MasterMap Address 2 data. The rating data provide an indication of the value and use of non-residential properties, which can be used to assess damages from, for example, flooding. It also gives the address of each property for which rates are due. By matching VOA to the Address data spatial and economic analysis can be undertaken in conjunction with other spatial datasets, e.g. flood maps. The data format and content of both sources are significantly different and this limits the success of the matching procedure.  **Issues to Note**  N/A  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  N/A  **Update frequency**  None  **Supply frequency**  Once  **Third Party Prior Rights**  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  IP and contractual rights are owned by third party organisations (OS and VOA). Environment Agency approved fields could be released alongside TOID to enable OS licence holders to use the data. Where a licence is held for VOA and OS MasterMap, VOA Code and TOID may be released since the matching process has already been undertaken by the Environment Agency. It is of note that many of the Environment Agency fields were not populated in the creation of the NPD. Some fields have not been assessed since the dataset as a whole is not approved for access – specific requests for information shall be made on a case by case basis, together with requests from organisations that are covered by the PGA2. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| OBJECTID | Unique reference within the entire dataset | **Y** | **Y** | **Y** |
| TOID | Topographic Identifier that is a unique reference of an address (point) feature. **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| AREATOID | Topographic identifier which is a unique reference of a polygon (building) feature. **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| FloorArea | Calculated total area of a building footprint (calculated from polygon). **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| VO\_N\_UARN | Unique Identifier for VOA records of non-residential properties. **(VOA Ratings List)** | **Y** | **Y** | **Y** |
| CATCH\_NUM | Catchment number of 2008 flood catchments. **(Environment Agency)** | **Y** | **Y** | **Y** |
| LocalAuthority | Name of local authority. **(Environment Agency)** | **Y** | **Y** | **Y** |
| ResValue | Residential property value based on house type, local authority and Land Registry prices. **(Environment Agency – based on Land Registry May and June 2008 averaged house prices)** | **N** | **N** | **N** |
| RVAL | Calculated field for the likely capital value of the property based on Rateable Value and Yield per region. **(Environment Agency/VOA)** | **N** | **N** | **N** |
| FloorLevel | Flag to indicate at what floor level the property actually is derived from text such as ‘1st Floor, ‘Basement’ contained within the Address field. (pU=potential upper, pG=potential ground, pB=potential business, rU=recorded upper, dG=definite ground, dB=definite basement). **(Environment Agency)** | **N** | **N** | **N** |
| ResType | Derived from spatial properties of the OS MasterMap building layer. Detached (DET), Semi-Detached (SDET), Terrace (TERR), Apartments (FLAT). **(Environment Agency)** | **N** | **N** | **N** |
| ON | Name of organisation that occupies the property. **(Ordnance Survey)** | **N** | **N** | **N** |
| BN | Property number in the address. **(Ordnance Survey)** | **N** | **N** | **N** |
| BD | Name of the property, or numbers if the address spans two properties (e.g. 34-36 Highstreet), or sub-numbers (e.g. 7D, Highstreet), or a given name (e.g. Rose Cottage). **(Ordnance Survey)** | **N** | **N** | **N** |
| SB | Sub-Building Name, e.g. Flat 3. **(Ordnance Survey)** | **N** | **N** | **N** |
| TN | Thoroughfare road or street, e.g. High Street. **(Ordnance Survey)** | **N** | **N** | **N** |
| PT | Postal town or city e.g. Brighton. **(Ordnance Survey)** | **N** | **N** | **N** |
| PB | Post Box **(Ordnance Survey)** | **N** | **N** | **N** |
| PC | Postcode **(Ordnance Survey)** | **N** | **N** | **N** |
| LA\_C | County **(Ordnance Survey)** | **N** | **N** | **N** |
| Easting | X coordinate of address location. **(Ordnance Survey)** | **N** | **N** | **N** |
| Northing | Y coordinate of address location. **(Ordnance Survey)** | **N** | **N** | **N** |
| PosQual | Positional Quality indicating whether the address location is in its Final or Provisional position **(Ordnance Survey)** |  |  |  |
| OS\_THEME | Theme type. **(Ordnance Survey)** |  |  |  |
| VO\_S\_CLASS | Special Category Code (SCat) for type of use of the property derived from VOA Rating List. **(VOA Rating List)** |  |  |  |
| DCODE | Code for the type of use (such as school), of the property. **(Ordnance Survey based on VOA Ratings List/Or)** | **N** | **N** | **N** |
| NLUD\_CLASS | National Land Use Database class for type of use of the property. **(NLUD)** |  |  |  |
| OS\_CLASS | OS Base Function for type of use of the property **(Ordnance Survey)** |  |  |  |
| OS\_C\_CONF | OS Classification confidence measure of OS\_CLASSS **(Ordnance Survey)** |  |  |  |
| Valuation | Calculated field for the likely capital value of the property based on Rateable Value and Yield per region. **(Environment Agency)** | **N** | **N** | **N** |
| Threshold | Flood level threshold i.e. the height flood water is required to reach before the building is flooded. - **not filled in during NPD creation**, to be filled in from local survey or post event surveys if available. **(Environment Agency)** | **Y** | **Y** | **Y** |
| Threshold comment | Not filled in during NPD creation, to be filled in from local surveys or post event surveys if available. **(Environment Agency)** | **N** | **N** | **N** |
| PostArea | First 2 characters of the postcode. **(Ordnance Survey)** |  |  |  |
| LocalID | Unique reference within the entire dataset, required for use in MDSF **(Environment Agency)** | **Y** | **Y** | **Y** |

### National Receptors Database 2011 (AfA171)

|  |
| --- |
| **Description**  The National Receptor Dataset (NRD) is a collection of risk receptors primarily intended for use in flood and coastal erosion risk management.  NRD is a spatial dataset which contains a number of GIS layers categorised into themes of information including; buildings, environment, heritage, transport and utilities. The NRD includes property points that are Copy Derived from OSMM AddressLayer2 with information on property type, floor area and Flood Hazard Research Centre’s Multi-Coloured Manual codes attributed. It was designed to meet the needs of Preliminary Flood Risk Assessments and the Environment Agency's National Flood Risk Assessment although it can be used for other purposes.  **Issues to Note**  There are two versions of these data. An external version that can be released as per the guidance below that contains all data/attributes except those labelled as ‘EA Version’. The full internal version includes these fields and should not be disclosed externally (except contractor use).  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B6F0ABCF5-5DAD-47DA-9595-07B74ACA75FE%7D>  **Update frequency**  To be confirmed – likely to be 6 month intervals.  **Supply frequency**  To be confirmed – likely to be 6 month intervals.  **Third Party Prior Rights**  Yes – OS, Royal Mail  **Data Contact / Supply**  Data Team (GIS).  Available on DataShare for some user categories  **Format Supplied**  Shapefiles  **Special Conditions**  S.126 See guidance and use special condition applicable for DataShare Co-deliver licence.  **Information Warning**  None  **Guidance**  Under the PSMA end user licence anything created (in the project) has to be owned by EA; therefore we now identify end-users as of two kinds:  1. Those who would use the data for read-only purposes  2. Those who are “quasi-contractors”, transferring IP to the EA.  This covers collaborative partners, unless some other provision in the PSMA applies.  Seek advice from DataInfo. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **NRD Property Points** | | | | |
| Geometry | Geometry type = Point **(Ordnance Survey)**  Spatial Reference = British National Grid | **N** | **N** | **N** |
| TOID | OS Reference to Address Topographic Identifier (TOID) **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| BGNEast | Easting **(Ordnance Survey)** | **N** | **N** | **N** |
| BGNNorth | Northing **(Ordnance Survey)** | **N** | **N** | **N** |
| Organisation | Organisation **(Ordnance Survey) [EA Version Only]** | **N** | **N** | **N** |
| BldgName | Building name **(Ordnance Survey) [EA Version Only]** | **N** | **N** | **N** |
| SubBldgName | Sub Building name **(Ordnance Survey) [EA Version Only]** | **N** | **N** | **N** |
| Thoroughfare | Thoroughfare name **(Ordnance Survey) [EA Version Only]** | **N** | **N** | **N** |
| PostTown | Postal Town **(Ordnance Survey)** **[EA Version Only]** | **N** | **N** | **N** |
| Postcode | Postcode **(Ordnance Survey) [EA Version Only]** | **N** | **N** | **N** |
| OS\_CLass | Base function showing the Ordnance Survey classification of the **(Ordnance Survey)** | **N** | **N** | **N** |
| SCat\_Code | Valuation Office Agency Non-domestic Rates Special Category code **[EA Version Only]** | **N** | **N** | **N** |
| PDesc | Valuation Office Agency Non-domestic Rates Primary Description code **[EA Version Only]** | **N** | **N** | **N** |
| TopoToid | Reference TOID to OSMM Topography layer without any leading zeros. **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| TopoToidLZ | Reference TOID to OSMM Topography layer containing leading zeros. **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| TopoFid(osgb) | Reference TOID to OSMM Topography layer feature ID prefixed with OSGB. **(Ordnance Survey)** | **Y** | **Y** | **Y** |
| Accuracy | Accuracy of AL2 record. E.g. Surveyed, Postcode Unit Mean **(Ordnance Survey)** | **N** | **N** | **N** |
| FloorArea | Calculated total area of a building footprint calculated from OSMM Topography Layer **(Environment Agency)** | **Y** | **Y** | **Y** |
| FloorLevel | Flag to indicate at what floor level the property actually is derived from text such as ‘1st Floor, ‘Basement’ contained within the Address field. (pU=potential upper, pG=potential ground, pB=potential business, rU=recorded upper, dG=definite ground, dB=definite basement). **(Environment Agency)** | **Y** | **Y** | **Y** |
| MCMcode | Multi Coloured Manual Code derived from cross reference to VOA categories **(FHRC)** | **N** | **N** | **N** |
| HouseType | Derived from spatial properties of the OS MasterMap building layer. Detached (DET), Semi-Detached (SDET), Terrace (TERR), Apartments (FLAT). **(Environment Agency)** | **Y** | **Y** | **Y** |
| **Additional Layers** | | | | |
| **Agricultural Land Classification** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid | Third party data – Licence conditions apply.  Non-Commercial Use allowed. | | |
| Geometry type = Polygon **(WAG)**  Spatial Reference = British National Grid |
| **RAMSAR Sites** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **Sites of Special Scientific Interest** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **Special Protection Areas** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **International Designations** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid  (SPAs, SACs and RAMSAR sites merged – individual sites no longer identifiable) |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid  (SPAs, SACs and RAMSAR sites merged - individual sites no longer identifiable) |
| **Local Nature Reserve** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **Ancient Woodland** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **Fens (England)** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| **Environmentally Sensitive Areas (England)** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| **Lowland dry acidic grass (England)** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid | Third party data – Licence conditions apply.  Non-Commercial Use allowed. | | |
| **Purple moor grass (England)** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| **Reedbed (England)** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| **Area of Outstanding Natural Beauty** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **National Nature Reserves** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **RSPB Reserves** | Geometry type = Polygon **(RSPB)**  Spatial Reference = British National Grid  (RSPB Reserves) |
| **Battlefield England** | Geometry type = Polygon **(English Heritage)**  Spatial Reference = British National Grid  (Registered Battlefields) |
| **Heritage Coast (England)** | Geometry type = Polygon **(Natural England)**  Spatial Reference = British National Grid  (Heritage Coast) |
| **Heritage Coast (Wales)** | Geometry type = Polyline **(CCW)**  Spatial Reference = British National Grid  (Heritage Coast) |
| **Park and Garden** | Geometry type = Polygon **(English Heritage)**  Spatial Reference = British National Grid  (Registered Parks and Gardens) |
| Geometry type = Polygon **(Cadw)**  Spatial Reference = British National Grid  (Registered Parks and Gardens of Special Historic Interest in Wales) |
| **Essential Settings (Wales Parks & Gardens)** | Geometry type = Polygon **(Cadw)**  Spatial Reference = British National Grid  (Registered Parks and Gardens of Special Historic Interest in Wales) |
| **Scheduled Ancient Monuments (SAM)** | Geometry type = Polygon **(English Heritage)**  Spatial Reference = British National Grid |
| Geometry type = Polygon **(Cadw)**  Spatial Reference = British National Grid  (Ancient Monuments) |
| **World Heritage Sites** | Geometry type = Polygon **(English Heritage)**  Spatial Reference = British National Grid  (World Heritage Sites) |
| Geometry type = Polygon **(Cadw)**  Spatial Reference = British National Grid  (World Heritage Sites) |
| **Listed Buildings** | Geometry type = Point **(Cadw)**  Spatial Reference = British National Grid |
| Geometry type = Point & Polygon **(English Heritage)**  Spatial Reference = British National Grid |
| **Country Parks** | Geometry type = Polygon (**Natural England)**  Spatial Reference = British National Grid | Third party data – Licence conditions apply.  Non-Commercial Use allowed. | | |
| Geometry type = Polygon **(CCW)**  Spatial Reference = British National Grid |
| **National Trails** | Geometry type = Polyline (**Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polyline (**CCW)**  Spatial Reference = British National Grid |
| **National Parks** | Geometry type = Polygon (**Natural England)**  Spatial Reference = British National Grid |
| Geometry type = Polygon (**CCW)**  Spatial Reference = British National Grid |
| (Lower SOAs (Full Resolution)) | Geometry type = Polygon **(ONS)**  Spatial Reference = British National Grid |
| (Lower SOAs (Generalised)) | Geometry type = Polygon **(ONS)**  Spatial Reference = British National Grid |
| Middle SOAs (Full Resolution)) | Geometry type = Polygon **(ONS)**  Spatial Reference = British National Grid  ( |
| Middle SOAs (Generalised)) | Geometry type = Polygon **(ONS)**  Spatial Reference = British National Grid |
| **Railways** | Geometry type = Polylines **(OS)**  Spatial Reference = British National Grid  (Meridian2 Railways) | Third party data – Licence conditions apply.  Disseminated in accordance with the PGA2 and MSA. | | |
| **Roads** | Geometry type = Polyline **(OS)**  Spatial Reference = British National Grid  (OSMM Integrated Transport Network) |
| **Active\_IPPC** | | | | |
| Shape | Geometry type = Point (Environment Agency)  Spatial Reference = British National Grid  Active IPPC Sites | **Y** | **Y** | **Y** |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Area | Environment Agency Area | **Y** | **Y** | **Y** |
| Orig\_Perm | Unique PAS authorisation number for initial application | **Y** | **Y** | **Y** |
| Permit\_Num | Unique PAS authorisation number for current application | **Y** | **Y** | **Y** |
| Operator | Operator Name | **Y** | **Y** | **Y** |
| Status | Current (at date of extraction) status of permission | **Y** | **Y** | **Y** |
| Local\_Auth | Local Authority Name | **Y** | **Y** | **Y** |
| Name | Name of installation where activities occur | **Y** | **Y** | **Y** |
| Secondary | Operator Address – line 1 | **Y** | **Y** | **Y** |
| Primary | Operator Address – line 2 | **Y** | **Y** | **Y** |
| Street | Operator Address – Street | **Y** | **Y** | **Y** |
| Locality | Operator Address – Locality | **Y** | **Y** | **Y** |
| Town | Operator Address – Town | **Y** | **Y** | **Y** |
| Post\_Town | Operator Address – Post Town | **Y** | **Y** | **Y** |
| County | Operator Address – Post County | **Y** | **Y** | **Y** |
| Post\_Code | Operator Address – Postcode | **Y** | **Y** | **Y** |
| Duly\_Made | Date application made duly made/valid | **Y** | **Y** | **Y** |
| Issue\_Date | Date of issue of a variation on an effective permit | **Y** | **Y** | **Y** |
| Effec\_Date | Date when conditions of Authorisation/Variation apply | **Y** | **Y** | **Y** |
| App\_Type | Type of entry (e.g. Application or Variation) | **Y** | **Y** | **Y** |
| Sub\_Type | Sub-type of entry (e.g. New application, Minor variation) | **Y** | **Y** | **Y** |
| Grid\_Ref | NGR for site entrance | **Y** | **Y** | **Y** |
| Easting | Eastings for the site entrance | **Y** | **Y** | **Y** |
| Northing | Northings for the site entrance | **Y** | **Y** | **Y** |
| Prim\_Act | The primary activity at this site | **Y** | **Y** | **Y** |
| Descrip | Description of Activity Schedule Reference Number | **Y** | **Y** | **Y** |
| **Waste\_Licences\_REGIS** | | | | |
| Shape | Geometry type = Point **(Environment Agency)**  Spatial Reference = British National Grid  Active IPPC Sites | **Y** | **Y** | **Y** |
| LIC\_AREF | Area reference used only in Environmental Permitting Regulations – Waste Dataset | **Y** | **Y** | **Y** |
| LIC\_NMBR | Reference code used only in the Environmental Permitting Regulations – Waste system | **Y** | **Y** | **Y** |
| LIC\_OTHID | Other licence number | **Y** | **Y** | **Y** |
| LIC\_WML | Waste Management Licence Number | **Y** | **Y** | **Y** |
| LIC\_LTYPE | Type of site – A01-A24 | **Y** | **Y** | **Y** |
| SITE\_ADD\_N | Site – Name | **Y** | **Y** | **Y** |
| SITE\_ADD\_B | Site – Building | **Y** | **Y** | **Y** |
| SITE\_ADD\_H | Site – House number | **Y** | **Y** | **Y** |
| SITE\_ADD\_S | Site – Street | **Y** | **Y** | **Y** |
| SITE\_ADD\_A | Site – Area | **Y** | **Y** | **Y** |
| SITE\_ADD\_T | Site – Town | **Y** | **Y** | **Y** |
| SITE\_ADD\_C | Site – County | **Y** | **Y** | **Y** |
| SITE\_ADD\_P | Site – Postcode | **Y** | **Y** | **Y** |
| SITE\_ADD\_1 | Site – Telephone number | **Y** | **Y** | **Y** |
| SITE\_ADD\_F | Site – Fax | **Y** | **Y** | **Y** |
| SITE\_ADD\_E | Site – Email | **Y** | **Y** | **Y** |
| LIC\_NMAE | Licence holder’s name | **Y** | **Y** | **Y** |
| LIC\_TRADE | Licence holder’s trading name, where appropriate | **Y** | **Y** | **Y** |
| LIC\_SITE | Site Name | **Y** | **Y** | **Y** |
| NGR | National Grid Reference typically of site entrance | **Y** | **Y** | **Y** |
| EASTING | Easting | **Y** | **Y** | **Y** |
| NORTHING | Northing | **Y** | **Y** | **Y** |
| CORR\_ADD\_N | Correspondence contact details | **N** | **N** | **N** |
| CORR\_ADD\_B | **N** | **N** | **N** |
| CORR\_ADD\_H | **N** | **N** | **N** |
| CORR\_ADD\_S | **N** | **N** | **N** |
| CORR\_ADD\_A | **N** | **N** | **N** |
| CORR\_ADD\_T | **N** | **N** | **N** |
| CORR\_ADD\_C | **N** | **N** | **N** |
| CORR\_ADD\_P | **N** | **N** | **N** |
| CORR\_ADD\_1 | **N** | **N** | **N** |
| CORR\_ADD\_F | **N** | **N** | **N** |
| CORR\_ADD\_E | **N** | **N** | **N** |
| STAT\_SDESC | Licence status | **Y** | **Y** | **Y** |
| LIC\_TARD | Target date for application to be processed by | **Y** | **Y** | **Y** |
| LIC\_DETD | Date of determination | **Y** | **Y** | **Y** |
| LIC\_ISSD | Date of issue | **Y** | **Y** | **Y** |
| LIC\_SUBD | Date subsistence charged from | **Y** | **Y** | **Y** |
| LIC\_MODD | Date Modified | **Y** | **Y** | **Y** |
| LIC\_TRAD | Date of transfer | **Y** | **Y** | **Y** |
| LIC\_EFFD | Date of effectiveness | **Y** | **Y** | **Y** |
| LIC\_SURD | Date Revoked | **Y** | **Y** | **Y** |
| LIC\_RVKD | Date Suspended | **Y** | **Y** | **Y** |
| LIC\_SUSD | Date expired | **Y** | **Y** | **Y** |
| LIC\_EXPD | Date Expired | **Y** | **Y** | **Y** |
| LIC\_REND | Date Renewed | **Y** | **Y** | **Y** |
| LIC\_CAND | Date Cancelled | **Y** | **Y** | **Y** |
| LIC\_AMND | Date Amended | **Y** | **Y** | **Y** |
| LIC\_TONS | Annual Tonnage Permitted | **Y** | **Y** | **Y** |
| REGION | Environment Agency Region | **Y** | **Y** | **Y** |
| AREA | Environment Agency Area | **Y** | **Y** | **Y** |
| SIZE | Indication of waste inputted derived from charge code.  Size Range:   * Small = 0-25,000 tonnes per annum * Medium = 25,000 – 75,000 tonnes per annum * Large = >75,000 tonnes per annum | **Y** | **Y** | **Y** |
| LIC\_PPCARD | IPPC Application Received Date | **Y** | **Y** | **Y** |
| LIC\_IPPCD | Date of Transfer to IPPC | **Y** | **Y** | **Y** |
| LIC\_IPPCR | IPPC Licence | **Y** | **Y** | **Y** |
| LIC\_EPR | Licence EPR number | **Y** | **Y** | **Y** |
| **Active\_Ras\_Auths** | | | | |
| Shape | Geometry type = Point (Environment Agency)  Spatial Reference = British National Grid  Active IPPC Sites | **Y** | **Y** | **Y** |
| REGION | Environment Agency Region | **Y** | **Y** | **Y** |
| AREA | Environment Agency Area | **Y** | **Y** | **Y** |
| RAS\_DESCR | Definition is: Disposal of Radioactive Waste | **Y** | **Y** | **Y** |
| LOCAL\_AUTH | Local Authority Name | **Y** | **Y** | **Y** |
| ORIG\_PERM | Unique IPCIS authorisation number for initial application | **Y** | **Y** | **Y** |
| ORG\_APPTAR | Environment Agency Tariff code of original application - see key in user guide section “Useful information when using the data” | **Y** | **Y** | **Y** |
| RAS\_SECTN | Section of the Radioactive Substance Act (1993) under which the authorisation is granted. | **Y** | **Y** | **Y** |
| OPERATOR | Operator Name | **Y** | **Y** | **Y** |
| DELI+POINT | Operator Address – line 1 | **Y** | **Y** | **Y** |
| LOCALITY | Operator Address – line 2 | **Y** | **Y** | **Y** |
| TOWN | Operator Address - Town | **Y** | **Y** | **Y** |
| COUNTY | Operator Address - County | **Y** | **Y** | **Y** |
| POSTCODE | Operator Address - Post Code | **Y** | **Y** | **Y** |
| ORGAPPDATE | Date original authorisation was approved | **Y** | **Y** | **Y** |
| PERM\_NO | Unique IPCIS authorisation number of current authorisation | **Y** | **Y** | **Y** |
| DATE\_APPRO | Date current authorisation was approved | **Y** | **Y** | **Y** |
| EASTING | Eastings for the site entrance | **Y** | **Y** | **Y** |
| NORTHING | Northings for the site entrance | **Y** | **Y** | **Y** |
| GRID\_REF | National Grid Reference of site entrance | **Y** | **Y** | **Y** |
| **Active\_RAS\_Registrations** | | | | |
| Shape | Geometry type = Point (Environment Agency)  Spatial Reference = British National Grid  Active IPPC Sites | **Y** | **Y** | **Y** |
| REGION | Environment Agency Region | **Y** | **Y** | **Y** |
| AREA | Environment Agency Area | **Y** | **Y** | **Y** |
| LOCAL\_AUTH | Local Authority Name | **Y** | **Y** | **Y** |
| ORIG\_PERM | Unique IPCIS authorisation number for initial application | **Y** | **Y** | **Y** |
| PERMIT\_NO | Unique IPCIS authorisation number of current authorisation | **Y** | **Y** | **Y** |
| APPL\_TARIF | Environment Agency Tariff code of the current application - see key in user guide section “Useful information when using the data” | **Y** | **Y** | **Y** |
| RAS\_SECTN | Section of the Radioactive Substance Act (1993) under which the authorisation is granted. | **Y** | **Y** | **Y** |
| SECT\_DEF | Description of the RAS section | **Y** | **Y** | **Y** |
| OPERATOR | Operator Name | **Y** | **Y** | **Y** |
| ADDRESS | Operator Address – line 1 | **Y** | **Y** | **Y** |
| ADD\_ROAD | Operator Address – line 2 | **Y** | **Y** | **Y** |
| ADD\_TOWN | Operator Address - Town | **Y** | **Y** | **Y** |
| ADD\_COUNTY | Operator Address - County | **Y** | **Y** | **Y** |
| POSTCODE | Operator Address - Post Code | **Y** | **Y** | **Y** |
| ORIG\_APP\_D | Date original registration was approved | **Y** | **Y** | **Y** |
| EASTING | Eastings for the site entrance | **Y** | **Y** | **Y** |
| NORTHING | Northings for the site entrance | **Y** | **Y** | **Y** |
| NGR | National Grid Reference of site entrance | **Y** | **Y** | **Y** |

### Rapid Response Catchments (AfA044)

|  |
| --- |
| **Description**  Under the Making Space for Water project RF7, a nationally consistent methodology to identify catchments where there is potential for extreme flash flooding to occur has been developed. This information has been added to a register and, following detailed Area and Regional FRM review, communities where the potential speed, depth and velocity of flooding could present an **extreme risk to life** have been identified.  Our policy is to ensure that all those living, holidaying and working in areas that have the potential to suffer from extreme flash flooding are made aware of the hazard and know what actions to take should they encounter flooding. It is proposed that this is achieved through:   * Internal re-use of the register by Planning Liaison and Development Control teams as part of FRAs/FCAs - working with Local Planning Authority planners; * Engaging with other CCA Category 1 and 2 Responders such as the Emergency Services, Local Authorities, Health Bodies, etc via:   1. Flood Resilience Forums;   2. Cascades of information/updated guidance from Cabinet Office; and   3. Addition of information to relevant community risk registers and multi-agency plans where these exist.   **Issues to Note**  Third Party Prior Rights  **AfA Category**  AfA (Information Requests only)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={0EE7D74F-3F12-42F4-B8BA-547256F14996}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b0EE7D74F-3F12-42F4-B8BA-547256F14996%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={D6460D83-2D46-4DE9-B29D-8AC8F6226951}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bD6460D83-2D46-4DE9-B29D-8AC8F6226951%7d&view=fullHtml)  **Update frequency**  Ad Hoc  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Regional DQ&GIS teams  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  All attributes may be released in response to an Environmental Information Request (for the avoidance of doubt this includes release under the Civil Contingencies Act), under a Copyright Statement and Disclaimer. Rapid Response Catchments is not available for re-use due to Prior Rights concerns and should not be included on the Publication Scheme. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Region | Geographic region (e.g. SouthWest) | **Y** | **Y** | **Y** |
| Catchment | Catchment unique number | **Y** | **Y** | **Y** |
| Description | Village/Town/etc | **Y** | **Y** | **Y** |
| Name | Name of village/town/etc (e.g. Alswear/Brampton) | **Y** | **Y** | **Y** |
| No. of Properties | No. of properties within a catchment (or more accurately, the precautionary indicative floodplain) where an extreme flood hazard has been identified | **Y** | **Y** | **Y** |
| Min Tp | Minimum time to peak | **Y** | **N** | **N** |
| Min HR Peak | Minimum hazard rating | **Y** | **N** | **N** |
| Max HR Peak | Maximum hazard rating | **Y** | **N** | **N** |
| Adjusted RRC class | Adjusted rapid response catchment class - this is based on the Flood Risks to People research. | **Y** | **Y** | **Y** |
| Min SoP | Minimum standard of protection | **Y** | **N** | **N** |
| Max SoP | Maximum standard of protection | **Y** | **N** | **N** |

### Receptors Vulnerable to Flooding Database (RVFD) (AfA035)

|  |
| --- |
| **Description**  The Receptors Vulnerable to Flooding Database (RVFD) is an amalgamation of 21 layers of data, drawing together 9 national datasets, within an ArcGIS environment delivering four discrete layers. These are:   * **Building Flood Vulnerability** which includes the location of vulnerable buildings (without vulnerable population) (e.g. hazardous sites, emergency response centres) at point level. * **Social Flood Vulnerability** which includes the distribution of vulnerable population and building type plus the level of social vulnerability derived from the Social Flood Vulnerability Index (SFVI) and 2001 Census data at Census Output Area scale (approx 125 houses). * **Land Cover Flood Vulnerability** based upon land use (e.g. arable and horticulture, grassland, semi-natural vegetation and woodland) at 25 m resolution. * **Summary Flood Vulnerability** depicting summary statistics from the above layers at 100m by 100m grid level. * **Receptors NaFRA Risk Bands** which includes 17 receptors extracted (as individual shapefiles) from the Building Flood Vulnerability and Social Flood Vulnerability layers post-processed against the NaFRA 2006 Spatial Flood Likelihood Category Grid in order to attribute each point and line receptor with a NaFRA risk category. * **NaFRA 2006 Spatial FLC Grid with RVD** which includes the number and type of vulnerable receptor within each NaFRA polygon (by risk category). * **RVF NaFRA Summary Spreadsheet** which provides a summary of the number and type of vulnerable receptor in each NaFRA 2006 risk category by Environment Agency Water Management Region (output as an Excel spreadsheet).   Vulnerability to flooding is defined as ‘The characteristics of a person or social group, property or the environment in terms of their capacity to anticipate, cope with, resist and recover from the impact of flood hazard.’ Creation of the information was based upon recognition within the Flood Mapping Strategy (2003) and research that flood impacts are differentially experienced based on social characteristics (at an individual and household level).  **Issues to Note**  These data have been superseded by the National Receptors Database (AfA171).  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={4F21AC97-D830-4DDB-80E1-5B166BEF75A4}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b4F21AC97-D830-4DDB-80E1-5B166BEF75A4%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  FCRM Incident Management  **Format Supplied**  ESRI Shape file  **Special Conditions**  None  **Information Warning**  None  **Guidance**  The Building, Social and Summary Flood Vulnerability layers and the Receptors NaFRA Risk Bands, NaFRA 2006 Spatial FLC Grid with RVD and RVF NaFRA Summary Spreadsheet layers may be released for Civil Contingencies Act (CCA) purposes, under a Copyright Statement and Disclaimer. Our licences for this data expressly permit such use. The Land Cover Flood Vulnerability layer is not approved for any purpose (inc. CCA) as we do not have necessary third party permissions.  However it may be possible to release Land Cover if a formal request is made under the statutory provisions of the CCA and the PAN guidance note on formal CCA requests is followed.  None of the data is available for licensed re-use due to Prior Rights concerns. Any EIR/FOI requests for access need to be individually assessed and, if granted, need to be under the Copyright Statement and Disclaimer. This data is classified as **Restricted** under the Protective Marking Scheme, based upon potential National Security content issues.  There is also potentially Personal Data issues which is not assessed as being higher than Restricted. |

| **Attribute Name** | **Attribute Description** | | | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- | --- |
| **Social Vulnerability Map[[5]](#footnote-5)** | | | | | | |
| Buildings (+Population) | Social vulnerability to flooding - includes the distribution of vulnerable population and building type plus the level of social vulnerability derived from the Social Flood Vulnerability Index (SFVI) and 2001 Census data.  [See “Record of Discussions” for full attribute listing.] | | | **N** | **N** | **N** |
| Major Roads (Population Only) | **N** | **N** | **N** |
| Buildings (Location Only) 1 | **N** | **N** | **N** |
| Buildings (Location Only) 2 | **N** | **N** | **N** |
| SFVI Level and 2001 Census Data (OA) | **N** | **N** | **N** |
| **Building Vulnerability Map/Receptors Vulnerable to Flooding[[6]](#footnote-6)** | | | | | | |
| Emergency Response Centres | Building vulnerability to flooding - includes the location of vulnerable buildings (without vulnerable population) (e.g. hazardous sites, emergency response centres).  [See “Record of Discussions” for full attribute listing.] | | | **N** | **N** | **N** |
| Electricity and Gas Stations | **N** | **N** | **N** |
| Telephone Exchange | **N** | **N** | **N** |
| IPPC Sites | **N** | **N** | **N** |
| Sites with Radioactive Substances (RAS) | **N** | **N** | **N** |
| [Waste Management Sites (REGIS)](#REGIS) | **N** | **N** | **N** |
| [Sewage and Water Treatment Plants](#Sewage_Water_Treatment_Plants) | **N** | **N** | **N** |
| **Land-Cover Vulnerability Map[[7]](#footnote-7)** - vulnerability to flooding based on five land cover types (Arable, Improved Grassland, Rough Grassland, Woodland and Other) which represent eight bulk classes and vulnerability levels of V. High, High, Medium, Low and V. Low, respectively. | | | | | | |
| ObjectID | Unique ID given by ArcMap | | | **N** | **N** | **N** |
| Value | Land use bulk class | | | **N** | **N** | **N** |
| Count | Count of cells within LCM groups | | | **N** | **N** | **N** |
| **Summary Flood Vulnerability** | | | | | | |
| HV\_BUILD | Buildings (High Vulnerability) - Shows the number of buildings within High Vulnerability category in grid square[[8]](#footnote-8) | | | **N** | **N** | **N** |
| MV\_BUILD | Buildings (Medium Vulnerability) - Shows the number of buildings within Medium Vulnerability category in grid square1 | | | **N** | **N** | **N** |
| LV\_BUILD | Buildings (Low Vulnerability) - Shows the number of buildings within Medium Vulnerability category in grid square1 | | | **N** | **N** | **N** |
| SFVI\_1[[9]](#footnote-9) | V. Low | | | **N** | **N** | **N** |
| SFVI\_2 | Low | | | **N** | **N** | **N** |
| SFVI\_3 | Medium | | | **N** | **N** | **N** |
| SFVI\_4 | High | | | **N** | **N** | **N** |
| SFVI\_5 | V. High | | | **N** | **N** | **N** |
| RES\_NO[[10]](#footnote-10) | Residential | Number of houses | Medium | **N** | **N** | **N** |
| RES\_POP3 | Residential Population (usual or night time) | Population in grid square |  | **N** | **N** | **N** |
| SCH\_NO3 | School | Number of schools | High | **N** | **N** | **N** |
| SCH\_POP3 | School Population (Daytime) | Population of Schools in grid square |  | **N** | **N** | **N** |
| BS\_NO3 | Boarding School | Number of boarding schools | High | **N** | **N** | **N** |
| BS\_POP3 | Boarding School (night time population) | Population of Boarding Schools in grid square |  | **N** | **N** | **N** |
| CARE\_NO3 | Care Home | Number of care homes | High | **N** | **N** | **N** |
| CARE\_POP3 | Care Home (Maximum Capacity) | Population of care homes in grid square |  | **N** | **N** | **N** |
| HOSP\_NO3 | Hospital | Number of hospitals | High | **N** | **N** | **N** |
| HOSP\_POP3 | Hospital (Maximum Capacity) | Population of hospitals in grid square |  | **N** | **N** | **N** |
| ROAD\_POP3 | Roads | Population of major roads in grid square | N/A | **N** | **N** | **N** |
| RW\_ST\_NO3 | Railway Station | Numbers of railway stations | Medium | **N** | **N** | **N** |
| PORT\_NO3 | Port | Number of ports | Medium | **N** | **N** | **N** |
| AIRPORT\_NO3 | Airport | Number of airports | Medium | **N** | **N** | **N** |
| PRISON\_NO[[11]](#footnote-11) | Prison | Number of prisons | High | **N** | **N** | **N** |
| MOBILE\_NO4 | Mobile or Chalet Park Home | Number of sites | High | **N** | **N** | **N** |
| CAMP\_NO4 | Camp Site/Caravan Site | Number of sites | High | **N** | **N** | **N** |
| POLICE\_NO4 | Police Station | Number of police stations | High | **N** | **N** | **N** |
| HEALTH\_NO4 | Health Centre or Surgery | Number of health centres and surgeries | Medium | **N** | **N** | **N** |
| AMBUL\_NO4 | Ambulance Station | Number of ambulance stations | High | **N** | **N** | **N** |
| FIRE\_NO4 | Fire Station | Number of fire stations | High | **N** | **N** | **N** |
| OFFICE\_NO4 | Office | Number of offices | Low | **N** | **N** | **N** |
| WAREHS\_NO4 | Warehouse | Number of warehouses | Low | **N** | **N** | **N** |
| IND\_NO4 | Industry | Number of industrial sites (minus IPPC, RAS, REGIS sites) | Low | **N** | **N** | **N** |
| RETAIL\_NO4 | Retail | Number of retail sites | Low | **N** | **N** | **N** |
| COLLEGE\_NO4 | College or university | Number of colleges and universities | Medium | **N** | **N** | **N** |
| NURS\_NO4 | Nursery | Number of nurseries | Medium | **N** | **N** | **N** |
| PUBCLUB\_NO4 | Pub or club | Number of pubs and clubs | Medium | **N** | **N** | **N** |
| BUS\_ST\_NO4 | Bus station | Number of bus stations | Medium | **N** | **N** | **N** |
| STADIA\_NO4 | Stadium | Number of stadia | Medium | **N** | **N** | **N** |
| AMUS\_PK\_NO4 | Amusement Park | Number of amusement parks | Medium | **N** | **N** | **N** |
| TOURIST\_NO4 | Tourist and Visitor Accommodation | Number tourist and visitor accommodation properties | Medium | **N** | **N** | **N** |
| COMM\_CR\_NO4 | Community Centre | Number of community centres | Medium | **N** | **N** | **N** |
| LEISURE\_NO4 | Leisure Facility | Number of leisure buildings | Medium | **N** | **N** | **N** |
| OTHER\_NO4 | Other building types not covered by classification above | Number of other building types which house population | Low | **N** | **N** | **N** |
| MM\_PWR[[12]](#footnote-12) | Power and Gas Stations - Incl. power, sub stations, distribution stations, gas works | Number of electricity generating power stations and sub stations | High | **N** | **N** | **N** |
| TEL\_EXC\_NO5 | Telephone Exchange | Number of telephone exchanges | High | **N** | **N** | **N** |
| IPPC\_NO[[13]](#footnote-13) | Industrial site which releases pollution - applies to industry sectors for energy, metals, minerals, chemicals, waste management and a group of other activities such as textile treatment, food production and intensive farming of pigs and poultry. | Number of IPPC sites | Medium | **N** | **N** | **N** |
| REGIS\_NO[[14]](#footnote-14) | Sites which deal with waste and requires a licence for the treatment, keeping or disposal of waste in or on the land. | Number of REGIS sites | Low  Except landfill - Medium | **N** | **N** | **N** |
| RAS\_NO[[15]](#footnote-15) | Sites which keep or use radioactive materials or sites at which radioactive material is accumulated or disposed. | Number of RAS sites | Medium | **N** | **N** | **N** |
| SEWAGE\_NO[[16]](#footnote-16) | Sewage treatment works and Sewage Pump Stations | Number of sewage treatment works and sewage pump stations | Low | **N** | **N** | **N** |
| WTR\_TR\_NO9 | Waste Water and Water Treatment Plants | Number of water and waste water treatment works | Low | **N** | **N** | **N** |
| ARABLE\_PC[[17]](#footnote-17) | Arable and Horticultural | Percentage cover in grid square | V. High | **N** | **N** | **N** |
| IMGRASS\_PC10 | Improved Grassland | Percentage cover in grid square | High | **N** | **N** | **N** |
| RGRASS\_PC10 | Rough Grass | Percentage cover in grid square | Medium | **N** | **N** | **N** |
| WOOD\_PC10 | Woodland/Forest | Percentage cover in grid square | Low | **N** | **N** | **N** |

### Recorded Flood Outlines (AfA008)

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| --- |
| **Description**  Historic Flood Outlines contains the individual location outline and approved attributes for records of historic flooding extracted from the National Flood and Coastal Defence Database (NFCDD). Please note that these records show flooding to the land and do not necessarily indicate that properties within the historic flood extents were flooded internally. It is also possible that the pattern of flooding in this area has changed and that this area would now flood under different circumstances. In addition, absence of a historic flood event for an area does not mean that the area has never flooded, only that we do not currently have records of flooding in this area.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={5AC9B8BA-BC82-4CBF-815F-A99402CE034F}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b5AC9B8BA-BC82-4CBF-815F-A99402CE034F%7d)  **Update frequency**  N/A  **Supply frequency**  Quarterly  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  National Data Unit  Available on DataShare as Recorded Flood Outlines  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FLOOD\_EVENT\_CODE | Unique code identifying the flood event group the flood event outline is part of. | **Y** | **Y** | **Y** |
| OUTLINE\_CODE | Unique code identifying the flood event outline within the flood event group. | **Y** | **Y** | **Y** |
| NAME | Name of the flood event outline e.g. October 2000 Floods on the Severn at Shrewsbury. | **Y** | **Y** | **Y** |
| COMMENTS | Free text field allowing user to enter comments against a flood event outline. Free text fields are usually a concern. Unless there is a complete review of all entries and some assurance on what will be entered in the future, suggest this is not approved. | **N** | **N** | **N** |
| START\_DATE | Start date of flooding. | **Y** | **Y** | **Y** |
| END\_DATE | End date of flooding. | **Y** | **Y** | **Y** |
| BOUNDARY\_SOURCE | Indicates source (“Person”, “Organisation”, “Aerial Photography”, etc.) from which the extent of flooding (i.e. the flood event outline) was drawn/plotted. | **Y** | **Y** | **Y** |
| SOURCE\_OF\_FLOODING | The source of the flooding from a list, including main river, critical ordinary watercourse, ordinary watercourse, sewer, groundwater etc. Enumeration List: Valid values given in NFCDD Data Lists DOC0034 | **Y** | **Y** | **Y** |
| CAUSE\_OF\_FLOODING | Enumeration List: Valid values given in NFCDD Data Lists DOC0034 | **Y** | **Y** | **Y** |
| FLUVIAL\_IND | Boolean flag indicating if source of flooding was fluvial. Enumeration List: Valid values given in NFCDD Data Lists DOC0034 | **Y** | **Y** | **Y** |
| TIDAL\_IND | Boolean flag indicating if source of flooding was tidal. Enumeration List: Valid values given in NFCDD Data Lists DOC0034 | **Y** | **Y** | **Y** |
| COASTAL\_IND | Boolean flag indicating if source of flooding was coastal. Enumeration List: Valid values given in NFCDD Data Lists DOC0034 | **Y** | **Y** | **Y** |
| HFM\_IND | Flag indicating if the flood event outline is to be included in the historic flood map. | **Y** | **Y** | **Y** |

### Remotely Sensed Flood Estimate England (AfA348)

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| --- |
| **Description**  The Remotely Sensed Flood Estimate England dataset contains estimated flood extents derived from satellite data during incident management.  Urban area floods are typically underestimated or often not identified. As an estimate created during the incident and with no ground data verification, as well as problems identifying urban floods, the confidence in the data is either moderate or low. Post event it may be verified and then included in the Historic Flood Map.  Due to the nature of satellite data some surfaces may have been incorrectly identified as being flooded.  Geographical coverage is incomplete because of limits in satellite data available. Data is available from December 2013.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={2FF37FCA-231A-4FA4-9217-0ED7653C5054}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b2FF37FCA-231A-4FA4-9217-0ED7653C5054%7d)  **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**  Geomatics Group HO - NO - MAP - Geomatics - Int & Apps - GIS Services  **Format Supplied**  ArcGIS  **Special Conditions**  None  **Information Warning**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| OBJECTID | Object ID: Geometry identifier | **Y** | **Y** | **Y** |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| CATEGORY | Flood or Not Flood | **Y** | **Y** | **Y** |
| AREA\_HA | Hectares | **Y** | **Y** | **Y** |
| RESOLUTION | Metres | **Y** | **Y** | **Y** |
| SOURCE | For example: Satellite; Air Photo | **Y** | **Y** | **Y** |
| CAPTURE\_DATE | Date and time of capture of imagery used for estimating flood extent (YYYY-MM-DD HHmm) | **Y** | **Y** | **Y** |

### River and Coastal Maintenance Programme (AfA145)

|  |
| --- |
| **Description**  Flood and Coastal Risk Management Frequent Maintenance Programme data shows the annual planned work for frequent and intermittent maintenance of watercourses and assets, such as channels, raised defences, structures and reservoirs carried out by the Environment Agency to reduce flooding in England.  As this programme is updated annually. It will only show the programme for the current year and accordingly cannot be used to identify accurately what work was done historically or more than a year ahead.  The spreadsheet shows the areas and locations where investment is being made to manage flood and coastal erosion risk. They are not detailed enough to show the impact they may have on individual addresses, which may not always face the same risk of flooding as the areas that surround them.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B7C7BC4D6-EDE0-4CE4-BCAA-33BAD1135348%7D>  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  The Spreadsheet shows the areas and locations where investment is being made to manage flood and coastal risk. They are not detailed enough to show the impact they may have on individual addresses, which may not always face the same risk of flooding as the areas that surround them. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FRMS CODE | Flood Risk Management System Code | **Y** | **Y** | **Y** |
| FRMS NAME | Flood Risk Management System Name i.e. relevant | **Y** | **Y** | **Y** |
| FRMS CONSEQUENC | Flood Risk Consequence Rating. Options are: Low, Medium or high as an indication of the degree of severity of the consequence of lack of maintenance. | **Y** | **Y** | **Y** |
| AREA | Environment Agency Area | **Y** | **Y** | **Y** |
| County |  | **Y** | **Y** | **Y** |
| Local Authority |  | **Y** | **Y** | **Y** |
| Constituency |  | **Y** | **Y** | **Y** |
| Catchment Flood Management Plan name |  | **Y** | **Y** | **Y** |
| Shoreline Management Plan name |  | **Y** | **Y** | **Y** |
| Flood & Coastal Committee | Regional Flood and Coastal Committee for watercourse/asset | **Y** | **Y** | **Y** |
| Description of work | Description of the work likely to be carried out in an individual FRMS.  e.g. “This system includes the River [x] and Brook [y]. We carry out regular inspections to assess the condition of all the flood defence assets in this location. We also carry out selected vegetation control within the channel during [May – August] and maintain the flood banks during [June – September] when the grass growth occurs. Regular maintenance to Pump Station [z] is undertaken to ensure it can operate on demand during a flood incident.” | **Y** | **Y** | **Y** |
| Asset type   * Channels * Raised defences * Structures * Non FRM assets * Operation and operability * MEICA assets |  | **Y** | **Y** | **Y** |
| WH | Standard Maintenance Activity (SMA) - Weed cut by hand | **Y** | **Y** | **Y** |
| WM | SMA - Weed cut by machine | **Y** | **Y** | **Y** |
| MC | SMA - Maintain channel | **Y** | **Y** | **Y** |
| OB | SMA - Obstruction removal | **Y** | **Y** | **Y** |
| EM | SMA - Environment management | **Y** | **Y** | **Y** |
| GH | SMA - Grass cut by hand | **Y** | **Y** | **Y** |
| GM | SMA - Grass cut by machine | **Y** | **Y** | **Y** |
| VM | SMA - Vermin control | **Y** | **Y** | **Y** |
| TW | SMA – Treework e.g. removing from channel | **Y** | **Y** | **Y** |
| IR | SMA - Defence repair | **Y** | **Y** | **Y** |
| RS | SMA - Flood reservoir work | **Y** | **Y** | **Y** |
| MS | SMA - Maintain structure e.g. Minor repair works to a flood wall or embankment | **Y** | **Y** | **Y** |
| AI | SMA - Condition inspection. Assessment of the serviceability of a flood risk management asset e.g. is the sea wall structurally sound? | **Y** | **Y** | **Y** |
| OI | SMA - Operational inspection. Assessment of the operation of a flood risk management asset e.g. sluice gate opens and closes | **Y** | **Y** | **Y** |
| IM | SMA - System monitoring. Appraising the best way to manage maintenance activities on a group- of assets in a given area or asset system | **Y** | **Y** | **Y** |

### River Depth, Level and Flow Estimates (AfA370)

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| **Description**  The River Depth, Level and Flow Estimates dataset consists of depth and flow estimates at different river gauges at a particular point in the river in England and Wales for:  • 1 in 30 chance of those depths, levels and flows occurring in any given year;  • 1 in 100 chance of those depths, levels and flows occurring in any given year;  • 1 in 1000 chance of those depths, levels and flows occurring in any given year.  This dataset is created under an obligation of the Flood Risk Regulations 2009.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BD2CD13F1-66DA-4B0C-A6FD-9DF5707B855E%7D>  **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ArcGIS  **Special Conditions**  None  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  This dataset does not have AfA approval because we do not currently have full permissions from CEH; however our existing permissions from CEH allow us to supply with a non-commercial licence where we are directly required by statute or court order. The data relating to Wales is based upon NRW owned data which we have permission to use and an obligation to use in WIYBY and acceptable to provide for non-commercial use through DataShare. Manipulatable downloads for non-commercial use is an additional feature which we consider acceptable to provide.  Hence responding to requests for information or publishing in accordance with our Flood Risk Regulations 2009 obligations can be done providing we always use a Special Licence Non-Commercial or Copyright Statement & Disclaimer.  This means:  **•** We cannot use the current website wording;  • We cannot use the Standard Notice even if it becomes Standard Content (small area or  fixed format);  • FOI non–commercial requests are all supplied with a Special Licence non-commercial.  FOI commercial requests should be advised that their requested use is not permitted unless limited to view only and if the customer insists on being supplied or says that view only is acceptable, issue with a copyright statement and disclaimer. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Region | Environment Agency Water Management Region (or NRW) | **Y** | **Y** | **Y** |
| Area | Environment Agency Water Management Area (or NRW area) | **Y** | **Y** | **Y** |
| Station No | Station number of gauge | **Y** | **Y** | **Y** |
| Watercourse | Watercourse on which gauge is situated e.g. Great Ouse | **Y** | **Y** | **Y** |
| Location | Name of location where gauge is located, or near where it is located | **Y** | **Y** | **Y** |
| Easting | Geographic easting reference, British National Grid 6 figure | **Y** | **Y** | **Y** |
| Northing | Geographic northing reference, British National Grid 6 figure | **Y** | **Y** | **Y** |
| RLoI ref | Site ID number in River Levels on the Internet (RLoI) if gauge is in RLoI (<http://www.environment-agency.gov.uk/homeandleisure/floods/riverlevels/default.aspx>) | **Y** | **Y** | **Y** |
| NFFS ref | Reference number in National Flood Forecasting System (NFFS) if gauge is in NFFS. | **Y** | **Y** | **Y** |
| Telem Ref | Reference number in telemetry systems if gauge is in the telemetry systems. | **Y** | **Y** | **Y** |
| Flow\_30 | Flow estimate with a 1 in 30 chance of flow occurring in any given year in cumecs | **N** | **N** | **N** |
| Flow\_100 | Flow estimate with a 1 in 100 chance of flow occurring in any given year in cumecs | **N** | **N** | **N** |
| Flow1000 | Flow estimate with a 1 in 1000 chance of flow occurring in any given year in cumecs | **N** | **N** | **N** |
| YearCalc | Year the estimate was calculated | **Y** | **Y** | **Y** |
| Datum | Base level to calculate depths in Metres above Ordnance Datum (mAOD) | **Y** | **Y** | **Y** |
| Level\_30 | Gauge level for a 1 in 30 chance of level occurring in any given year | **N** | **N** | **N** |
| Lvl\_100 | Gauge level for a 1 in 100 chance of level occurring in any given year | **N** | **N** | **N** |
| Lvl\_1000 | Gauge level for a 1 in 1000 chance of level occurring in any given year | **N** | **N** | **N** |
| L30AOD (MA\_30) | Gauge level for a 1 in 30 chance of depth occurring in any given year (in mAOD) | **N** | **N** | **N** |
| L100AOD (MA\_100) | Gauge level for a 1 in 100 chance of depth occurring in any given year in (mAOD) | **N** | **N** | **N** |
| L1000AOD (MA\_1000) | Gauge level for a 1 in 1000 chance of depth occurring in any given year (in mAOD) | **N** | **N** | **N** |

### Shoreline Management Plan Extents (AfA196)

|  |
| --- |
| **Description**  Shoreline Management Plan Extents is a polyline, spatial data layer that provides a strategic overview (1:250,000 scale) for individual Shoreline Management Plans (SMP) that identifies the Lead Authority.  A Shoreline Management Plan (SMP) is a large-scale assessment of the risks associated with coastal processes and helps reduce these risks to people and the developed, historic and natural environments. Coastal processes include tidal patterns, wave height, wave direction and the movement of beach and seabed materials. The SMPs provide a ‘route map’ for local authorities and other decision makers to move from the present situation towards meeting our future needs, and will identify the most sustainable approaches to managing the risks to the coast in the short term (0-20 years), medium term (20-50 years) and long term (50-100 years).  Within these timeframes, the SMPs will also include an action plan that prioritises what work is needed to manage coastal processes into the future, and where it will happen. This in turn will form the basis for deciding and putting in place specific flood and erosion risk management schemes, coastal erosion monitoring and further research on how we can best adapt to change.  Since SMPs are not managed nationally there may be more detailed information at a Local/Regional level. These data provide a national overview.  **Issues to Note**  These data only reflect polylines when in fact each SMP actually is managed for a land parcel. There appears to be disparity between the AfA name and what the business area is calling this dataset; therefore this dataset may also be known as Shoreline Management Plan Extents.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B1916C253-C033-43A1-AE94-F637FF584FCE%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  [HO - FCRM Dir - SI - Strategy and Engagement](http://intranet.ea.gov/organisation/staff/staffresults.aspx?department=HO+-+FCRM+Dir+-+SI+-+Strategy+and+Engagement) (or I: drive)  Available on DataShare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  This dataset was created for the purposes of creating a strategic overview map; as a consequence it was created at a notional scale of 1:250,000, this means that the definition of the breakpoints and the accuracy to which the SMP lengths reflect the 'coastline' is suitable for strategic level use only. Consideration should be given as to whether it should be replaced by a more accurate representation. More detailed representations of the SMP boundaries may be available at Local/Regional level.  Costing information is at a broad scale and indicative only. It not appropriate for any detailed costings work, or for identifying planned capital expenditure’  This dataset contains hyperlinks to websites operated by other parties. We do not control such websites and we take no responsibility for, and will not incur any liability in respect of, their content. Our inclusion of hyperlinks to such websites does not imply any endorsement of views, statements or information contained in such websites.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Geometry** | **Polyline**  **British National Grid** | **Y** | **Y** | **Y** |
| SMP\_NAME | Shoreline Management Plan Name | **Y** | **Y** | **Y** |
| LEAD\_AUTH | Lead Authority [note that these are as per April 2010] | **Y** | **Y** | **Y** |
| SMP\_No | Shoreline Management Plan reference number | **Y** | **Y** | **Y** |

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### Spatial Flood Defences (including standardised attributes) (AfA006)

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| --- |
| **Description**  This dataset shows, represented by a purple line, flood defences protecting against river floods with a 1 per cent (1 in 100) chance of happening each year, or sea floods with a 0.5 per cent (1 in 200) chance of happening each year, together with some, but not all, defences which protect against smaller floods. Flood defences that are not yet shown, and the areas that benefit from them, will be gradually added.  **Issues to Note**  This dataset has been superseded byAfA345 and may no longer available. AfA345 will appear on the next version of the AfA Register.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={F4822D16-9C23-4FD8-BB6E-5465B24D1666}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF4822D16-9C23-4FD8-BB6E-5465B24D1666%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Quarterly  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  National Data Unit  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| DES\_STAND | Design standard of defence as a return period. | **Y** | **Y** | **Y** |
| ACTU\_STAND | Actual assessed standard of defence as a return period | **Y** | **Y** | **Y** |
| CONDITION | Overall condition grade of the crest | **Y** | **Y** | **Y** |
| WORST\_COND | Condition grade of asset element in worst condition at last inspection | **Y** | **Y** | **Y** |
| ASSE\_TYPE | Type of Asset (one of 17 asset types) | **Y** | **Y** | **Y** |
| LENGTH | Length of asset in metres | **Y** | **Y** | **Y** |
| DEF\_TYPE | Major or minor defence | **Y** | **Y** | **Y** |
| YEAR\_BUILT | Year of construction | **Y** | **Y** | **Y** |
| US\_ CRE\_LEV | Upstream crest level | **Y** | **Y** | **Y** |
| DS\_ CRE\_LEV | Downstream crest level | **Y** | **Y** | **Y** |
| DESCRIPT | Description of the asset (e.g. a weir description could be 'fixed concrete weir, piled/concrete wing walls, steel/concrete footbridge spanning structure) | **Y** | **Y** | **Y** |
| QUAL\_FLAG | Overall condition of the asset based on the (weighted) condition of each element of the latest inspection of the asset | **Y** | **Y** | **Y** |
| PROT\_TYPE | This asset protection type indicates the type of flooding the asset defends against (Coastal, Fluvial, Coastal/Fluvial). | **Y** | **Y** | **Y** |
| BANK | The side of bank the flood defence is situated. This is assigned by facing the direction of river flow. | **Y** | **Y** | **Y** |

### Understanding Flood and Coastal Erosion Risk Management Law in England E-Learning Package (AfA320)

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| **Description**  The Understanding Flood and Coastal Erosion Risk Management Law e-learning module is part of a suite of Flood Risk Management e-learning modules designed to help Lead Local Flood Authorities and other partners who play a part in managing flood risk, develop an understanding of the key role, responsibilities and relationships associated with the Flood and Water Management Act 2010 (FWMA) and Flood Risk Regulations 2009. The aim is to understand the context in which flood risk management decisions need to be made and, where appropriate, the material gives direct links to key guidance.  The module consists of topics relating to Flood and Coastal Erosion Risk Management (FCERM) legislation.  This module is part of a suite of modules sponsored by Defra, the Environment Agency and the Local Government Association.  **Issues to Note**  Some modules were published without being assessed. The AfA does not cover those modules.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B83C2ECAA-7C68-449D-90F4-26F8379A2868%7D>    **Update frequency**  No update  **Supply frequency**  One-off supply  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Accessible though Learning Management System  **Special Conditions**  Not available  **Information Warning**  Not available  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Topic A | Local flood risk management strategies and the role of the Lead Local Flood Authorities in delivery | **N** | **N** | **N** |
| Topic B | Definitions and their importance | **N** | **N** | **N** |
| Topic C | Flood Risk Regulations 2009 | **N** | **N** | **N** |
| Topic D | Co-operation and information sharing | **N** | **N** | **N** |
| Topic E | Regional Flood and Coastal Committees and Funding | **N** | **N** | **N** |
| Topic F | Works Powers | **N** | **N** | **N** |
| Topic G | Sustainable Drainage Systems | **N** | **N** | **N** |
| Topic H | Designation | **N** | **N** | **N** |
| Topic I | Regulation | **N** | **N** | **N** |
| Topic J | Other useful provisions | **N** | **N** | **N** |
| Topic K | Land Drainage Act 1991 – a holistic view | **N** | **N** | **N** |
| Topic L | Coast Protection Act 1949 | **N** | **N** | **N** |
| Topic M | Riverside owners and sea frontages | **N** | **N** | **N** |

### Updated Flood Map for Surface Water Basic Package (AfA375)

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| --- |
| **Description**  The Environment Agency’s surface water flood maps give an indication of the broad areas likely to be at risk of surface water flooding. This includes flooding that takes place from the 'surface runoff' generated by rainwater (including snow and other precipitation) which:  (a) is on the surface of the ground (whether or not it is moving), and  (b) has not yet entered a watercourse, drainage system or public sewer.  The Flood Map for Surface Water pick out natural drainage channels, rivers, low areas in floodplains, and flow paths between buildings. But it does not indicate flooding caused by local rainfall. It does not show flooding that occurs from overflowing watercourses, drainage systems or public sewers caused by catchment-wide rainfall events or river flow. A national model has been run for 1 in 30, 1 in 100 and 1 in 1000 storm events. It has been modelled on a 2 metre square grid. Lead Local Flood Authorities were consulted and where available and appropriate locally held model outputs have been ‘stamped’ into the maps.  Basic package of final outputs of the updated Flood Map for Surface Water in vector (polygon) format, including:  1. EXTENTS – 3 layers showing extent of flooding for 3 separate probabilities: 1 in 30, 1 in 100 and 1 in 1000  2. SUITABILITY – 1 layer showing basic confidence information from the modelling which gives and indication of the scale at which is it generally appropriate to use this information to assess flood risk  3. MODEL DETAILS – 1 layer showing the source of the final outputs (i.e. whether they originated from the national scale modelling or locally produced information) and basic information about the model methodology and parameters used.  Updated Flood Map for Surface Water (Basic Package) is referred to externally as the Risk of Flooding from Surface Water map.  **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={58B9BC63-D333-4402-8A51-16276097EBEB}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b58B9BC63-D333-4402-8A51-16276097EBEB%7d)  **Update frequency**  Ad hoc  **Supply frequency**  Ad hoc  **Third Party Prior Rights**  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  ESRI File Geodatabase  **Special Conditions**  Special conditions for CEH   * S146 (VAR) or S147 (non-VAR limiting use to internal use)   **Information Warning**  S101 Drafting Instruction applicable when we supply any mapping that indicates information about flooding  S145 Drafting Instruction when supplying Updated Flood Map for Surface Water  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Simple Confidence** | | | | |
| Suitability (50m Grid Cells) | Provides an indication of the scale at which it is generally appropriate to use the flood map for surface water to assess flood risk. Includes publication date. Values are:   * National to Country * Country to Town * Town to Street * Street to Parcels of land * Property (inc. internal) | **Y** | **Y** | **Y** |
| Suitability (Merged Grid Cells) | As above but adjacent grids with the same value have been merged into a single object. | **Y** | **Y** | **Y** |
| **Model Details Layer** | | | | |
| FID | Feature identifier | **Y** | **Y** | **Y** |
| Shape | Shapefile | **Y** | **Y** | **Y** |
| ID | Auto-generated ID | **Y** | **Y** | **Y** |
| Name | Attribute containing full LLFA name who submitted locally produced modelling | **Y** | **Y** | **Y** |
| Data\_own | Attribute containing data ownership details for locally produced modelling - LLFA name, or 3rd party name (if applicable) | **Y** | **Y** | **Y** |
| Dom\_ref | Attribute containing a unique reference for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_name | Attribute containing the name of the local model including reference to location | **Y** | **Y** | **Y** |
| Descrip | Attribute containing a description of the reason for creating the locally produced modelling | **N** | **N** | **N** |
| Mod\_date | Attribute containing the model completion date (or the last update to the model) for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_type | Attribute containing type of model used for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_soft | Attribute containing the name of the modelling software used for the locally produced modelling | **Y** | **Y** | **Y** |
| Hyd\_type | Attribute containing the name/type of hydrology used for the locally produced modelling | **Y** | **Y** | **Y** |
| DTM | Attribute containing the source of digital terrain model used for the locally produced modelling. Allowed values:   * EA Composite DTM * LIDAR EA * LIDAR Other * NextMap [to identify that a 5m LiDAR input has been used] * Other DTM | **Y** | **Y** | **Y** |
| DTM\_res | Attribute containing the grid resolution of the digital terrain model used for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_grid | Attribute containing the resolution of the model grid for the locally produced modelling | **Y** | **Y** | **Y** |
| Stor\_Dur | Attribute containing the rainfall storm durations used for the locally produced modelling | **Y** | **Y** | **Y** |
| Sewer | Attribute containing information about how sub-surface drainage has been represented in the locally produced modelling | **Y** | **Y** | **Y** |
| Manning | Attribute containing how the source of information on surface roughness was defined according to land use for the locally produced modelling | **Y** | **Y** | **Y** |
| Build | Attribute containing information on how the buildings in urban areas were represented in the locally produced modelling | **Y** | **Y** | **Y** |
| Debris | Attribute containing the debris factor(s) used in calculating hazard rating as defined in [Defra R&D paper on risks to people](http://randd.defra.gov.uk/Default.aspx?Menu=Menu&Module=More&Location=None&Completed=0&ProjectID=12016) (where Hazard rating = depth x (velocity + 0.5) + debris factor) for the locally produced modelling | **Y** | **Y** | **Y** |
| Confid | Attribute containing confidence score assigned to locally produced modelling | **Y** | **Y** | **Y** |
| Comments | Attribute containing other details about locally produced | **N** | **N** | **N** |
| **Banded Vector** | |  |  |  |
| 1 in 1000 Flood Extent | Feature class containing the 1 in 1000 flood extent polygon layer showing extent of flooding for 1 in 1000. File named:  uFMfSW\_ENW\_EXTENT\_1in1000\_BV  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 100 Flood Extent | Feature class containing the 1 in 100 flood extent polygon layer showing extent of flooding for 1 in 100. File named:  uFMfSW\_ENW\_EXTENT\_1in100\_BV  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 30 Flood Extent | Feature class containing the 1 in 30 flood extent polygon layer showing extent of flooding for 1 in 30. File named:  uFMfSW\_ENW\_EXTENT\_1in30\_BV  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |

### Updated Flood Map for Surface Water Complex Package (AfA376)

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| --- |
| **Description**  The Environment Agency’s surface water flood maps give an indication of the broad areas likely to be at risk of surface water flooding. This includes flooding that takes place from the 'surface runoff' generated by rainwater (including snow and other precipitation) which:  (a) is on the surface of the ground (whether or not it is moving), and  (b) has not yet entered a watercourse, drainage system or public sewer.  The Flood Map for Surface Water pick out natural drainage channels, rivers, low areas in floodplains, and flow paths between buildings. But it does not indicate flooding caused by local rainfall. It does not show flooding that occurs from overflowing watercourses, drainage systems or public sewers caused by catchment-wide rainfall events or river flow. A national model has been run for 1 in 30, 1 in 100 and 1 in 1000 year rainfall events. It has been modelled on a 2 metre square grid. Lead Local Flood Authorities were consulted and where available locally held model outputs have been incorporated into the maps.  Complete package of final outputs of the updated Flood Map for Surface Water in vector (polygon) format, including:  1. EXTENTS – three layers showing extent of flooding for three separate probabilities: 1 in 30, 1 in 100 and 1 in 1000  2. DEPTHS – three banded layers showing depth of flooding for three separate probabilities: 1 in 30, 1 in 100 and 1 in 1000  3. VELOCITY - three banded layers showing flooding velocity for three separate probabilities: 1 in 30, 1 in 100 and 1 in 1000  4. FLOW DIRECTION (2m) - three banded layers showing flood flow direction (at maximum velocity) for three separate probabilities: 1 in 30, 1 in 100 and 1 in 1000 (created from original 2m raster grid)  5. FLOW DIRECTION (25m) - three banded layers showing flood flow direction (at maximum velocity) for three separate probabilities: 1 in 30, 1 in 100 and 1 in 1000 (created from resampled 25m raster grid)  6. SUITABILITY – one layer showing basic confidence information from the modelling which gives and indication of the scale at which is it generally appropriate to use this information to assess flood risk  7. MODEL DETAILS – one layer showing the source of the final outputs (i.e. whether they originated from the national scale modelling or locally produced information) and basic information about the model methodology and parameters used.  If you require Risk of Flooding to Surface Water map please refer to AfA375 Updated Flood Map for Surface Water (Basic Package).  **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={CD58E69D-479A-483A-B9E6-35A2F7124963}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bCD58E69D-479A-483A-B9E6-35A2F7124963%7d)  **Update frequency**  Ad hoc  **Supply frequency**  Ad hoc  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ESRI File Geodatabase  **Special Conditions**  Special conditions for CEH   * S146 (VAR) or S147 (non-VAR limiting use to internal use)   **Information Warning**  S101 Drafting Instruction applicable when we supply any mapping that indicates information about flooding  S145 Drafting Instruction when supplying Updated Flood Map for Surface Water  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Banded Vector** | | | | |
| 1 in 1000 Flood Extent | Feature class containing the 1 in 1000 flood extent polygon layer showing extent of flooding for 1 in 1000. File named:  uFMfSW\_ENW\_EXTENT\_1in1000\_BV  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 1000 Flood Depth | Feature class containing banded polygon layer showing depth of flooding for 1 in 1000. File named:  uFMfSW\_ENW\_DEPTH\_1in1000\_BV  Contains depth band attribute:  ≤ 0.15m  0.15m – 0.3m  0.3m – 0.6m  0.6m – 0.9m  0.9m – 1.2m  >1.2m  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 1000 Flood Velocity | Feature class containing banded polygon layer showing velocity for 1 in 1000. File named:  uFMfSW\_ENW\_VELOCITY\_1in1000\_BV  Contains velocity band attribute:  0m/s – 0.25m/s  0.25m/s – 0.5m/s  0.5m/s – 1m/s  1m/s – 2m/s  >2m/s  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 1000 Flood Flow Direction (at max velocity) | Feature class containing banded polygon layer showing flood flow direction (at maximum velocity) for 1 in 1000 (created from original 2m raster grid). File named:  uFMfSW\_ENW\_FDMV\_1in1000\_BV  Contains flow direction band attribute:  N, NE, E, SE, S, SW, W, NW  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 1000 Flood Flow Direction (at max velocity) (25m) | Feature class containing banded polygon layer showing flood flow direction (at maximum velocity) for 1 in 1000 (created from resampled 25m raster grid). File named:  uFMfSW\_ENW\_FDMV\_1in1000\_BV  Contains flow direction band attribute:  N, NE, E, SE, S, SW, W, NW  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 100 Flood Extent | Feature class containing the 1 in 100 flood extent polygon layer showing extent of flooding for 1 in 100. File named:  uFMfSW\_ENW\_EXTENT\_1in100\_BV  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 100 Flood Depth | Feature class containing banded polygon layer showing depth of flooding for 1 in 100. File named:  uFMfSW\_ENW\_DEPTH\_1in100\_BV  Contains depth band attribute:  ≤ 0.15m  0.15m – 0.3m  0.3m – 0.6m  0.6m – 0.9m  0.9m – 1.2m  >1.2m  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 100 Flood Velocity | Feature class containing banded polygon layer showing velocity for 1 in 100. File named:  uFMfSW\_ENW\_VELOCITY\_1in100\_BV  Contains velocity band attribute:  0m/s – 0.25m/s  0.25m/s – 0.5m/s  0.5m/s – 1m/s  1m/s – 2m/s  >2m/s  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 100 Flood Flow Direction (at max velocity) | Feature class containing banded polygon layer showing flood flow direction (at maximum velocity) for 1 in 100 (created from original 2m raster grid). File named:  uFMfSW\_ENW\_FDMV\_1in100\_BV  Contains flow direction band attribute:  N, NE, E, SE, S, SW, W, NW  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 100 Flood Flow Direction (at max velocity) (25m) | Feature class containing banded polygon layer showing flood flow direction (at maximum velocity) for 1 in 100 (created from resampled 25m raster grid). File named:  uFMfSW\_ENW\_FDMV\_1in100\_BV  Contains flow direction band attribute:  N, NE, E, SE, S, SW, W, NW  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 30 Flood Extent | Feature class containing the 1 in 30 flood extent polygon layer showing extent of flooding for 1 in 30. File named:  uFMfSW\_ENW\_EXTENT\_1in30\_BV  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 30 Flood Depth | Feature class containing banded polygon layer showing depth of flooding for 1 in 30. File named:  uFMfSW\_ENW\_DEPTH\_1in30\_BV  Contains depth band attribute:  ≤ 0.15m  0.15m – 0.3m  0.3m – 0.6m  0.6m – 0.9m  0.9m – 1.2m  >1.2m  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 30 Flood Velocity | Feature class containing banded polygon layer showing velocity for 1 in 30. File named:  uFMfSW\_ENW\_VELOCITY\_1in30\_BV  Contains velocity band attribute:  0m/s – 0.25m/s  0.25m/s – 0.5m/s  0.5m/s – 1m/s  1m/s – 2m/s  >2m/s  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 30 Flood Flow Direction (at max velocity) | Feature class containing banded polygon layer showing flood flow direction (at maximum velocity) for 1 in 30 (created from original 2m raster grid). File named:  uFMfSW\_ENW\_FDMV\_1in30\_BV  Contains flow direction band attribute:  N, NE, E, SE, S, SW, W, NW  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| 1 in 30 Flood Flow Direction (at max velocity) (25m) | Feature class containing banded polygon layer showing flood flow direction (at maximum velocity) for 1 in 30 (created from resampled 25m raster grid). File named:  uFMfSW\_ENW\_FDMV\_1in30\_BV  Contains flow direction band attribute:  N, NE, E, SE, S, SW, W, NW  Also includes an attribute for publication date. | **Y** | **Y** | **Y** |
| **Suitability (Simple Confidence)** | | | | |
| Suitability (50m Grid Cells) | Provides an indication of the scale at which it is generally appropriate to use the flood map for surface water to assess flood risk. Includes publication date. Values are:   * National to Country * Country to Town * Town to Street * Street to Parcels of land * Property (inc. internal) | **Y** | **Y** | **Y** |
| Suitability (Merged Grid Cells) | As above but adjacent grids with the same value have been merged into a single object. | **Y** | **Y** | **Y** |
| **Model Details Layer** | | | | |
| FID | Feature identifier | **Y** | **Y** | **Y** |
| Shape | Shapefile polygon identifier | **Y** | **Y** | **Y** |
| ID | Auto-generated ID | **Y** | **Y** | **Y** |
| Name | Full LLFA name who submitted locally produced modelling | **Y** | **Y** | **Y** |
| Data\_own | Data ownership details for locally produced modelling - LLFA name, or 3rd party name (if applicable) | **Y** | **Y** | **Y** |
| Dom\_ref | Unique reference for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_name | Name of the local model including reference to location | **Y** | **Y** | **Y** |
| Descrip | Attribute containing a description of the reason for creating the locally produced modelling | **N** | **N** | **N** |
| Mod\_date | Model completion date (or the last update to the model) for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_type | Type of model used for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_soft | Name of the modelling software used for the locally produced modelling | **Y** | **Y** | **Y** |
| Hyd\_type | Name/type of hydrology used for the locally produced modelling | **Y** | **Y** | **Y** |
| DTM | Source of digital terrain model used for the locally produced modelling. Allowed values:   * EA Composite DTM * LIDAR EA * LIDAR Other * NextMapOther DTM * Other DTM | **Y** | **Y** | **Y** |
| DTM\_res | Grid resolution of the digital terrain model used for the locally produced modelling | **Y** | **Y** | **Y** |
| Mod\_grid | Resolution of the model grid for the locally produced modelling | **Y** | **Y** | **Y** |
| Stor\_Dur | Rainfall storm durations used for the locally produced modelling | **Y** | **Y** | **Y** |
| Sewer | **I**nformation about how sub-surface drainage has been represented in the locally produced modelling | **Y** | **Y** | **Y** |
| Manning | How the source of information on surface roughness was defined according to land use for the locally produced modelling | **Y** | **Y** | **Y** |
| Build | How the buildings in urban areas were represented in the locally produced modelling | **Y** | **Y** | **Y** |
| Debris | Attribute containing the debris factor(s) used in calculating hazard rating as defined in [Defra R&D paper on risks to people](http://randd.defra.gov.uk/Default.aspx?Menu=Menu&Module=More&Location=None&Completed=0&ProjectID=12016) (where Hazard rating = depth x (velocity + 0.5) + debris factor) for the locally produced modelling | **Y** | **Y** | **Y** |
| Confid | Score assigned to locally produced modelling (1-5) | **Y** | **Y** | **Y** |
| Comments | Other details about locally produced modelling such as further information on model inputs. | **N** | **N** | **N** |

# FCRM – FLOOD WARNING

### 3 Day Flood Forecast (AfA259)

**Description:**

The flood risk forecast is produced by the Flood Forecasting Centre (FFC) for publication on the Environment Agency’s website on a daily basis (<http://www.environment-agency.gov.uk/homeandleisure/floods/125305.aspx> ). It is issued more frequently when serious flooding is forecast.

It provides the indication of the potential for flooding for three days: the day on which it is issued and the subsequent two days ahead. The forecast highlights flood risk on a county by county basis and includes a short commentary on the situation. It covers flooding from rivers, the sea, surface water and groundwater for England and Wales.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BFB1A3341-FBD9-4B84-A8CA-9FFD4F9BE6F9%7D>

**Update frequency**

Daily, more frequently when flooding is expected

**Supply frequency**

Daily, more frequently when flooding is expected

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

XML

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| threeday | | Information about the schema for this XML document | **Y** | **Y** | **Y** |
| issuedatetime | | Date and time that the XML file is valid from | **Y** | **Y** | **Y** |
| issuedatestring | | Issue date of the XML file | **Y** | **Y** | **Y** |
| issuedatestring\_cymru | Issue date of the XML file in Welsh | | **Y** | **Y** | **Y** |
| issuetimestring | | Issue time of the XML file | **Y** | **Y** | **Y** |
| day1string | | Date of the first day covered by the flood risk forecast | **Y** | **Y** | **Y** |
| day1string\_cymru | Date of the first day covered by the flood risk forecast in Welsh | | **Y** | **Y** | **Y** |
| day2string | | Date of the second day covered by the flood risk forecast | **Y** | **Y** | **Y** |
| day2string\_cymru | | Date of the second day covered by the flood risk forecast in Welsh | **Y** | **Y** | **Y** |
| day3string | Date of the third day covered by the flood risk forecast | | **Y** | **Y** | **Y** |
| day3string\_cymru | | Date of the third day covered by the flood risk forecast in Welsh | **Y** | **Y** | **Y** |
| day1image | | Image for this day converted in Base64 encoded string. | **Y** | **Y** | **Y** |
| day2image | | Image for this day converted in Base64 encoded string. | **Y** | **Y** | **Y** |
| day3image | Image for this day converted in Base64 encoded string. | | **Y** | **Y** | **Y** |
| summary | | Summary text as entered into the flood risk forecast. Contains an overview of the risk of flooding as a whole. | **Y** | **Y** | **Y** |
| summary\_cymru | | Summary text in Welsh as entered into the flood risk forecast. Contains an overview of the risk of flooding as a whole. | **Y** | **Y** | **Y** |
| risk | | Tag that is used to organise document. Has no content | **Y** | **Y** | **Y** |
| level | | Risk level being detailed - High, Medium, Low or Very Low | **Y** | **Y** | **Y** |
| impact | | Text to describe impact associated with this level of risk | **Y** | **Y** | **Y** |
| advice | Text to describe advice associated with this level of risk | | **Y** | **Y** | **Y** |
| forecastday | | Tag used to organise document | **Y** | **Y** | **Y** |
| date | | String containing the date of the day in question | **Y** | **Y** | **Y** |
| listregions | | Tag used to organise document | **Y** | **Y** | **Y** |
| region | | Tag used to organise document | **Y** | **Y** | **Y** |
| regionname | | Name of EA region | **Y** | **Y** | **Y** |
| numberofcounties | | Count of the number of counties / local authorities in this region on this date at this level of risk | **Y** | **Y** | **Y** |
| listcounties | | Tag used to organise document | **Y** | **Y** | **Y** |
| county | | Name of county / local authority within this region on this date at this level of risk | **Y** | **Y** | **Y** |

### Flood Alert Areas (AfA055)

|  |
| --- |
| **Description**  Flood Alert Areas are geographical areas where it is possible for flooding to occur from rivers, sea and in some locations, groundwater. A single Flood Alert Area may cover the floodplain within the Flood Warning Service Limit of multiple catchments of similar characteristics containing a number of Flood Warning Areas. A Flood Alert Area may also match that of a corresponding Flood Warning Area and warn for the possibility of flooding in that area. In some coastal locations, a Flood Alert may be issued for spray or overtopping and be defined by a stretch of coastline. Practical and administrative factors may also influence the exact extent of a Flood Alert Area.  A Flood Alert is issued to warn people of the possibility of flooding and encourage them to be alert, stay vigilant and make early / low impact preparations for flooding. Flood Alerts are issued earlier than Flood Warnings to provide advance notice of the possibility of flooding and may be issued when there is less confidence that flooding will occur in a Food Warning Area.  Flood Warnings Areas (established to apply to discrete communities) is available in AfA054.  **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BB4B35E5C-40F2-426A-9B60-6FC69B1E3FE8%7D>  **Update frequency**  Boundaries ad hoc, attributes - live  **Supply frequency**  Attributes are offered as live updates, I:drive/Easimap datasets and boundaries updated twice annually**.**  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data & Information Management, licensing to be done by IEC  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  The groundwater flood alert areas are either at a community/local scale, or where this is not possible are more generalised and based on other factors, such as geology and counties. In general technical specialists used the national groundwater dataset to make a comparison with historical maps and bedrock geology to create the groundwater flood alert areas. Additional data sources, including groundwater susceptibility maps, borehole data, local modelling and LiDAR may also have been used depending on the location of the area.  The triggers for groundwater flood alerts are based on actual observed groundwater levels. There are currently no flood risk maps for groundwater; as a result we are unable to identify properties definitely at risk.  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| GIS Geometry | | **Y** | **Y** | **Y** |
| REGION | Agency Region Name | **Y** | **Y** | **Y** |
| AREA | Agency Area Name | **Y** | **Y** | **Y** |
| FWD\_TACODE | Floodline Warnings Direct (FWD) Target Area (TA) Code | **Y** | **Y** | **Y** |
| FWIS\_CODE | Flood Warning Information System (FWIS) Flood Warning Area Code -the code issued by FWIS | **Y** | **Y** | **Y** |
| FWA\_NAME | Flood Warning Area (FWA) Name - English | **Y** | **Y** | **Y** |
| DESCRIP | FWA Description - English | **Y** | **Y** | **Y** |
| RIVER\_SEA | River or Sea (English) linked to FWA. Blank if groundwater zone. | **Y** | **Y** | **Y** |
| COUNTY | County name intersecting with FWA entered by Flood Incident Management (FIM) Team | **Y** | **Y** | **Y** |
| E\_QDIAL | QuickDial number for English language recording | **Y** | **Y** | **Y** |
| W\_REGION | Welsh translation of Region Name | **Y** | **Y** | **Y** |
| W\_FWA\_NAME | Welsh translation of FWA Name | **Y** | **Y** | **Y** |
| W\_DESCRIP | Welsh translation of FWA Description | **Y** | **Y** | **Y** |
| W\_AFON | Welsh translation of River Sea | **Y** | **Y** | **Y** |
| W\_QDIAL | QuickDial number for Welsh language recording | **Y** | **Y** | **Y** |

### Flood Risk Areas (AfA256)

**Description**

Flood Risk Areas have been defined by Lead Local Flood Authorities.

These areas cover surface water flooding only. Groundwater, coastal, reservoir failure, water main and river flooding are not covered.

These are based on combining risk to people, critical services and commercial and public assets, and detailed flood modelling.

The Flood Risk Areas show areas where the risk to flooding has the greatest impact on residential buildings and critical infrastructure i.e. the largest cities where there are the most residential properties and infrastructure in relation to the risk of flooding. Further detail on the methodology is available at:

http://www.environment-agency.gov.uk/research/planning/125459.aspx

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BF0A49CEE-BAD9-42A6-ADEE-3CC6504BF11A%7D>

**Update frequency**

Six-yearly

**Supply frequency**

Six-yearly

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

ESRI shapefile

**Special Conditions**

None

**Information Warning**

These Flood Risk Areas are designed to meet the needs of the European Floods Directive. They are designed for broad planning purposes only, and are not appropriate for any other type of flood mapping. Other flood mapping is available which is more appropriate to showing localised flood risk.

**Guidance**

None

| **Attribute Name** | | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| Geometry | | Polygon  British National Grid | **Y** | **Y** | **Y** |
| ID | | Grid identifier | **Y** | **Y** | **Y** |
| FRA\_NAME | | Flood Risk Area Name | **Y** | **Y** | **Y** |
| Country | Country Name (England or Wales) | | **Y** | **Y** | **Y** |
| Area\_km2 | | Area of Flood Risk Area in km2 | **Y** | **Y** | **Y** |
| RBD | | River Basin District Name | **Y** | **Y** | **Y** |

### Flood Warning Areas (AfA054)

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| --- |
| **Description**  Flood Warning Areas are geographical areas where we expect flooding to occur and where we provide a Flood Warning Service. They generally contain properties that are expected to flood from rivers or the sea and in some areas, from groundwater.  Specifically, Flood Warning Areas define locations within the Flood Warning Service Limit that represent a discrete community at risk of flooding. A discrete community is a recognised and named geographical community, which can be an urban area, a significant suburb of a large city or a village or a hamlet.  The purpose of Flood Warnings is to alert people that flooding is expected and they should take action to protect themselves and their property. Flood Warnings are issued when flooding is expected to occur, Severe Flood Warnings are issued to similar areas when there is a danger to life or widespread disruption is expected.  **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BA16EACB6-1D91-4304-868F-018936561E45%7D>  **Update frequency**  Boundaries ad hoc, attributes - live  **Supply frequency**  Attributes are offered as live updates, I:drive/Easimap datasets and boundaries updated twice annually**.**  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data & Information Management, licensing to be done by IEC  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  Groundwater flood warning areas are properties based, usually containing a discrete urban area, suburb, city, village or hamlet and were created in various ways. In general technical specialists used the national groundwater dataset, historical maps, bedrock geology and records of properties affected by groundwater flooding in the past to create the groundwater flood warning areas. Additional data sources, including groundwater susceptibility maps, borehole data, local modelling and LiDAR may also have been used depending on the location of the area.  The triggers for Flood Warnings for groundwater flooding are based on actual observed groundwater levels. There are currently no flood risk maps for groundwater so our flood warning areas for groundwater tend to cover properties which we know have been flooded by groundwater in the past.  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| GIS Geometry | | **Y** | **Y** | **Y** |
| REGION | Agency Region Name | **Y** | **Y** | **Y** |
| AREA | Agency Area Name | **Y** | **Y** | **Y** |
| FWD\_TACODE | Floodline Warnings Direct (FWD) Target Area Code | **Y** | **Y** | **Y** |
| FWIS\_CODE | Flood Warning Information System (FWIS) Flood Warning Area Code -the code issued by FWIS | **Y** | **Y** | **Y** |
| FWA\_NAME | Flood Warning Area (FWA) Name - English | **Y** | **Y** | **Y** |
| DESCRIP | FWA Description - English | **Y** | **Y** | **Y** |
| RIVER\_SEA | River or Sea (English) linked to FWA. Blank if groundwater zone. | **Y** | **Y** | **Y** |
| COUNTY | County name intersecting with FWA, entered by Flood Incident Management (FIM) Team | **Y** | **Y** | **Y** |
| PARENT | Links to Flood Watch - contains FWIS FWA Code for Flood Watch | **Y** | **Y** | **Y** |
| E\_QDIAL | QuickDial number for English language recording | **Y** | **Y** | **Y** |
| W\_REGION | Welsh translation of Region Name | **Y** | **Y** | **Y** |
| W\_FWA\_NAME | Welsh translation of FWA Name | **Y** | **Y** | **Y** |
| W\_DESCRIP | Welsh translation of FWA Description | **Y** | **Y** | **Y** |
| W\_AFON | Welsh translation of River Sea | **Y** | **Y** | **Y** |
| W\_QDIAL | QuickDial number for Welsh language recording | **Y** | **Y** | **Y** |

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### Flood Warnings (AfA136)

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| **Description**  Flood Warnings are provided by the constant monitoring of stations and forecasting flooding from rivers or the sea:   * Severe Flood Warning: Severe flooding. Danger to life. * Flood Warning: Flooding is expected. Immediate action required. * Flood Alert: Flooding is possible. Be prepared. * Warning no longer in force: Flood warnings and flood alerts that have been removed in the last 24 hours.   Flood Warnings are available on our website and as a Live Feed. The live feed provides a summary of flood warnings (Alert, Warning and Severe) that are sent externally. The Flood Warnings Live Feed provides current status update of every Flood Warning Area in England and Wales. This is updated on the FWIS service every minute although it is presented for external users every 15 minutes via the Data Distribution Hub where the XML can be securely downloaded (sFTP feed).  **Issues to Note**  These data have been approved for responding to requests, but in reality these data would be accessed by the Environment Agency website. Note that this AfA does not include the Historic flood warning time series data held by the EA - these are to be assessed separately should a request be received.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={CC456A17-D5FF-4F69-9669-6F58A4916758}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bCC456A17-D5FF-4F69-9669-6F58A4916758%7d)  **Update frequency**  1 minute  **Supply frequency**  15 minutes  **Third Party Prior Rights**  No  **Data Contact / Supply**  National Flood Risk Systems  **Format Supplied**  a secure file transfer protocol (sFTP) feed  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| ’fwacode’ | Unique Target Area Code e.g. 101WAFDF10 | **Y** | **Y** | **Y** |
| ‘fwakey’ | Unique code created by FWIS | **Y** | **Y** | **Y** |
| ‘region’ | Environment Agency Region | **Y** | **Y** | **Y** |
| ‘area’ | Environment Agency Area | **Y** | **Y** | **Y** |
| ‘description’ | Target Area Name e.g. “Blyth and Walpole Rivers and the Bramfield Watercourse”. | **Y** | **Y** | **Y** |
| t’ or ‘f’ | Identifier whether a Tidal or Fluvial Alert or Warning. | **Y** | **Y** | **Y** |
| ‘Flood Alert’, ‘Flood Warning’, ‘Severe Flood Warning’ or ‘Warning no Longer in Force’ | Severity. | **Y** | **Y** | **Y** |
| ‘1’, ‘2’, ‘3’, or ‘4’ | Severity Value = ‘1’ = Severe Flood Warning, ‘2’ = Flood Warning, ‘3’ = Flood Alert, ‘4’ = Warning no Longer in Force. | **Y** | **Y** | **Y** |
| ‘warning key’ | Unique code created by FWIS | **Y** | **Y** | **Y** |
| ‘time raised’ | Time the Alert or Warning was raised. i.e. 29 10 2010 19 13 | **Y** | **Y** | **Y** |
| ‘severity\_changed’ | Date and time of most recent severity change. | **Y** | **Y** | **Y** |
| <rim\_english> | Internet Situation Message also known as Real Time Commentary. | **Y** | **Y** | **Y** |
| <rim\_welsh> | Welsh Translation of the above where applicable. | **Y** | **Y** | **Y** |

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### UKCMF Surge Ensemble Output (AfA217)

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| **Description**  UKCMF Surge Ensemble Output feed data is available in the standard data exchange format (GRIB2) which has been defined by the World Meteorological Organization (WMO). The UKCMF Surge Ensemble Output contains surge residual levels only. The CS3X surge model is run twice each run. Once with full met forcing; once without for the tides. The tidal values are subtracted from the "total" values to give the residual "surge" elevation. The surge model surface forcing is hourly 10m "surface" winds and PMSL taken from the 24 runs of the Met Office MOGREPS ensemble models. The system then outputs 24 versions of the surge residual value available at hourly resolution out to nearly 7 days for every grid point within the model domain (48N 13W to 63N 05E) at circa 12km resolution. This approval covers live data, output twice per day to nearly 7 days.  Creation of the data is done by the Met Office under contract to the Environment Agency. The information on surge and tide are updated every twelve hours and delivered via Met Office message switch.    This is complex technical data, and is only likely to be usable be people with the appropriate technical skills.  **Issues to Note**  Subsetting is shown as possible on the Special Licence Pricing Appendix. For practical reasons this is not feasible for Direct Supply by the Agency.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B3CA6F170-8A9D-42ED-B299-6A3B52B63463%7D>  **Update frequency**  Forecasts are run six-hourly, and a six-hourly feed is available.  **Supply frequency**  Six-hourly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data Management  **Format Supplied**  Standard data exchange format (GRIB) which has been defined by the World Meteorological Organization (WMO).  **Special Conditions**  None  **Information Warning**  This is forecast data rather than actual data. It should only be used as an indication of what might possibly happen.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Surge height | Surge model height (m) | **Y** | **Y** | **Y** |
| Surge current speed | Surge model current speed (m/s) | **Y** | **Y** | **Y** |
| Surge current direction | Surge model current direction (Degrees) | **Y** | **Y** | **Y** |
| Tide water level | Tidal model water levels (m) | **Y** | **Y** | **Y** |
| Tide current speed | Tidal model current speed (m/s) | **Y** | **Y** | **Y** |
| Tide current direction | Tidal model current direction (Degrees) | **Y** | **Y** | **Y** |

### UKCMF Surge Model Output Data (AfA193)

|  |
| --- |
| **Description**  UKCMF Surge Model Output Data feed data is available in the standard data exchange format (GRIB1) which has been defined by the World Meteorological Organization (WMO).  The UKCMF Surge Model Output Datacontains information on the depth averaged currents, along with the water level. The models are run twice. Once with full met forcing; once without for the tides. [The tidal values are subtracted from the "total" values to give the residual "surge" elevation and current. This is output to the surge model fieldsfile. The surge model surface forcing is hourly 10m winds and PMSL taken from the mesoscale NWP model. In the surge model this surface forcing is not passed through to the fieldsfile, so to see the winds and pressure that generated the surge you have to look in the UK scale atmospheric model fieldsfile.](http://wesley.wwb.noaa.gov/wgrib.html)  The surge model output of the suite of surge models CS3X (Surge Model) , BCM (Bristol Channel), SRM (Severn) which also includes the Total Waters level turning points for the Bristol Channel. This is primarily a deterministic surge residual value available at 15 minute resolution out to T+36 hours for every grid point within the model domain (48N 13W to 63N 05E) at circa 12km resolution. Mean depth current is also available in m/s and deg.  This approval covers live data, forecasting 36 hours ahead. Historic archive data is not covered.  Creation of the data is done by the Met Office under contract to the Environment Agency.  The information on surge and tide are updated every six hours and delivered via Netlink Met Office message.  **Issues to Note**  Subsetting is shown as possible on the Special Licence Pricing Appendix. For practical reasons this is not feasible for Direct Supply by the Agency.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B9BEC9750-1D24-4204-857B-43F88CEC8373%7D>  **Update frequency**  Forecasts are run six-hourly, and a six-hourly feed is available.  **Supply frequency**  Six-hourly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data Management  **Format Supplied**  Standard data exchange format (GRIB) which has been defined by the World Meteorological Organization (WMO).  **Special Conditions**  None  **Information Warning**  This is forecast data rather than actual data. It should only be used as an indication of what might possibly happen.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Surge height | Surge model height (m) | **Y** | **Y** | **Y** |
| Surge current speed | Surge model current speed (m/s) | **Y** | **Y** | **Y** |
| Surge current direction | Surge model current direction (Degrees) | **Y** | **Y** | **Y** |
| Tide water level | Tidal model water levels (m) | **Y** | **Y** | **Y** |
| Tide current speed | Tidal model current speed (m/s) | **Y** | **Y** | **Y** |
| Tide current direction | Tidal model current direction (Degrees) | **Y** | **Y** | **Y** |

### Wave Transformation Model Output Data North West (AfA412)

|  |
| --- |
| **Description**  North West Wave Transformation output data covers 90,000 points across the Irish Sea with high resolution along the north-west coastline.  **Background to the model development**  The wave transformation model developed to produce this data is based on the industry-standard SWAN (Simulating Waves Nearshore) model. SWAN is a third-generation wave model that simulates wave propagation in coastal and inland areas. It accounts for the following physics:   Shoaling;   Refraction due to depth and currents;   Frequency shifting due to currents;   Wave generation by wind;   Triple and quadruplet wave-wave interactions;   Wave dissipation through white-capping, bottom friction and depth-induced breaking;   Reflection; and   Diffraction.  SWAN can calculate steady state wave conditions for specific inputs of wave height, period and direction at an offshore boundary, and wind speed and direction applied across the model domain surface.The model domain encompasses the majority of the Irish Sea, with land boundaries along the UK to the east and Ireland to the west. However, there are also sea boundaries to the north and the south, where the Irish Sea links to the Atlantic Ocean.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBA  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  .csv  **Special Conditions**  None  **Information Warning**  This data is modelled, not measured. It comprises estimated or modelled results showing expected outcomes based on the data available to us |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| XP | X Coordinate | **Y** | **Y** | **Y** |
| YP | Y Coordinate | **Y** | **Y** | **Y** |
| HS | Significant wave height (m) | **Y** | **Y** | **Y** |
| PDIR | Peak wave direction (degrees) | **Y** | **Y** | **Y** |
| DIR | Mean wave direction (degrees) | **Y** | **Y** | **Y** |
| TM01 | Mean absolute wave period (s) | **Y** | **Y** | **Y** |
| RTP | Relative peak period (in s) of E(σ) (equal to absolute peak period in the absence of currents). | **Y** | **Y** | **Y** |
| PER | Average absolute period (in s) | **Y** | **Y** | **Y** |
| TM01 | Mean absolute wave period (s) | **Y** | **Y** | **Y** |
| TMM10 | Mean absolute wave period (s) | **Y** | **Y** | **Y** |
| DEPTH | Depth of water | **Y** | **Y** | **Y** |
| WATLEV | Water Level | **Y** | **Y** | **Y** |
| BOTLEV | Bottom Level | **Y** | **Y** | **Y** |
| WIND | Wind velocity | **Y** | **Y** | **Y** |
| WLEN | Wave length | **Y** | **Y** | **Y** |
| STEEPNESS | Wave steepness | **Y** | **Y** | **Y** |

# FCRM – Risk of Flooding from Rivers and Sea

### NaFRA 2006 Postcode Flood Likelihood Category Database (AfA042)

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| --- |
| **Description**  NaFRA 2006 Postcode Flood Likelihood Category (FLC) Database (version 7) is the latest output using the Risk Assessment for flood and coastal defence for Strategic Planning (RASP) methodology. It is a broad-brush assessment of the likelihood of flooding at a national scale, based on assessments undertaken for 85 river catchments and coastal cells, where a cell is an area of land measuring 100m by 100m.  The NaFRA 2006 Postcode FLC Database provides flood likelihood information at a postcode unit level, summarising the number of properties in each risk category and also the number of properties that are not at risk within that postcode. It enables a comparison of the relative risks and their distribution within each of these postcode units, rather than a detailed, local assessment of the risk at a specific location. The three risk categories are:   * **Low:**  the chance of flooding each year is 0.5 per cent (1 in 200) or less; * **Moderate:** the chance of flooding in any year is 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200); and * **Significant**: the chance of flooding in any year is greater than 1.3 per cent (1 in 75)   **Issues to Note**  This dataset has been superseded byAfA107 and is no longer available.  These data are now available quarterly and hence are now not named by the year of issue.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Overall\_SW** | | | | |
| IZ\_ID | Six digit catchment number (e.g. 100175). All records in a catchment will have the same number, but the number for different catchments will be unique. Not NULL. | **Y** | **Y** | **Y** |
| **Schemes\_Data** | | | | |
| EAREGION | Environment Agency Region / Area | **Y** | **Y** | **Y** |
| EA\_REF | Environment Agency Reference | **Y** | **Y** | **Y** |
| DEF\_REF | DeFRA Reference | **Y** | **Y** | **Y** |
| PROJNAME | Project Name | **Y** | **Y** | **Y** |
| APRVDATE | Date of Approval | **Y** | **Y** | **Y** |
| ST\_DATE | Start Date | **Y** | **Y** | **Y** |
| ENDDATE | End Date | **Y** | **Y** | **Y** |
| DEFTYPE | Defence Type (for STUDIES: Locations covered by the study) | **Y** | **Y** | **Y** |
| PCs | List of (part) postcodes affected by scheme or study | **Y** | **Y** | **Y** |
| GRIDREF | OS Grid Reference | **Y** | **Y** | **Y** |
| DES\_STD | Design Standard of Protection in the area | **Y** | **Y** | **Y** |
| EXTG\_STD | Existing Standard of Protection in the area | **Y** | **Y** | **Y** |
| LEN\_IMP | Length of bank/defence improvement | **Y** | **Y** | **Y** |
| RES\_PROT | Residential Properties protected | **Y** | **Y** | **Y** |
| COM\_PROT | Commercial Properties protected | **Y** | **Y** | **Y** |
| OTHR\_PROT | Other Property protected | **Y** | **Y** | **Y** |
| SCH\_PLAN | If a Scheme Plan is available | **Y** | **Y** | **Y** |
| COMMENT | Comment | **Y** | **Y** | **Y** |

### NaFRA 2006 Property Flood Likelihood Category Database (AfA040)

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| **Description**  NaFRA 2006 Property Flood Likelihood Category (FLC) Database (version 7) is the latest output using the Risk Assessment for flood and coastal defence for Strategic Planning (RASP) methodology. It is a broad-brush assessment of the likelihood of flooding at a national scale, based on assessments undertaken for 85 river catchments and coastal cells, where a cell is an area of land measuring 100m by 100m.  The NaFRA 2006 Property Flood Likelihood Category Database provides flood likelihood information in a database indicating the level of flood risk to land in the area of a property address. It enables a comparison of the relative risks and their distribution within each of these areas, rather than a detailed, local assessment of the risk at a specific location. The three risk categories are:   * **Low:**  the chance of flooding each year is 0.5 per cent (1 in 200) or less; * **Moderate:** the chance of flooding in any year is 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200); and * **Significant:** the chance of flooding in any year is greater than 1.3 per cent (1 in 75)   It should be noted that the NaFRA 2006 Property FLC Database does not provide addressing information but does provide an Ordnance Survey TOID and Ordnance Survey AddressPoint reference. An appropriate 3rd party address database is therefore required to make use of the data.  **Issues to Note**  This dataset has been superseded by AfA105 and is no longer available.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| TOID | OS Topographic Identifier for address [Source: OS MasterMap Address Layer, Nov 2005] | **Y** | **Y** | **Y** |
| OSAPR | OS Address Point Reference for address [Source: OS MasterMap Address Layer, Nov 2005] | **Y** | **Y** | **Y** |
| NaFRA\_FLC | NaFRA Flood Likelihood Category [Source: NaFRA 2006 Analysis] | **Y** | **Y** | **Y** |
| NumProps | Number of Properties [Source: Property count of properties with same TOID, OSAPR, NaFRA\_FLC combination] | **Y** | **Y** | **Y** |

### NaFRA 2006 Spatial Flood Likelihood Category Grid (AfA041)

|  |
| --- |
| **Description**  NaFRA 2006 Spatial Flood Likelihood Category (FLC) Grid (version 7) is the latest output using the Risk Assessment for flood and coastal defence for Strategic Planning (RASP) methodology. It is a broad-brush assessment of the likelihood of flooding at a national scale, based on assessments undertaken for 85 river catchments and coastal cells, where a cell is an area of land measuring 100m by 100m.  NaFRA 2006 Spatial (FLC) Grid enables a comparison of the relative risks and their distribution within each of these catchments, rather than a detailed, local assessment of the risk at a specific location. The calculations provide an indication of the likelihood of flooding at the centre of each cell. These results are then placed into three risk categories as used by the insurance industry. The three risk categories are:   * **Low:**  the chance of flooding each year is 0.5 per cent (1 in 200) or less; * **Moderate:** the chance of flooding in any year is 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200); and * **Significant**: the chance of flooding in any year is greater than 1.3 per cent (1 in 75)   **Issues to Note**  This dataset has been superseded by AfA106 and is no longer available.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Guidance**  Information Warning should accompany these data since they are not valid at property level. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| PROB\_BAND | Possible values (capitalized as shown and Not NULL):   * Low * Moderate * Significant * No Result | **Y** | **Y** | **Y** |
| IZ\_ID | Six digit catchment number (e.g. 100175). All records in a catchment will have the same number, but the number for different catchments will be unique. Not NULL. | **Y** | **Y** | **Y** |

### NaFRA Postcode Flood Likelihood Category (FLC) Database Pre Dec 2013 (AfA107)

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| **Description**  NaFRA Postcode Flood Likelihood Category (FLC) Database (version 8) is the latest output using the Risk Assessment for flood and coastal defence for System Planning (RASP) High Level Method Plus (HLM+). It is a broad-brush assessment of the likelihood of flooding at a national scale, based on assessments undertaken for 85 river catchments and coastal cells, where a cell is an area of land measuring 50m by 50m.  The NaFRA Postcode Likelihood Category (FLC) Database is held in Microsoft Access format. Although the database can be queried through a user Form where discrete postcodes can be entered, the entire tables underpinning the user Form can be extracted and used as a single dataset with no user locks in place.  The NaFRA Postcode FLC Database provides flood likelihood information at a postcode unit level, summarising the number of properties in each risk category and also the number of properties that are not at risk within that postcode. It enables a comparison of the relative risks and their distribution within each of these postcode units, rather than a detailed, local assessment of the risk at a specific location. The three risk categories are:  • low - the chance of flooding each year is 0.5 per cent (1 in 200) or less  • moderate - the chance of flooding in any year is 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200)  • significant - the chance of flooding in any year is greater than 1.3 per cent (1 in 75)  The postcodes in the dataset are based on OS Mastermap Address Layer 2 September 2008 and the OS CodePoint November 2008 dataset (Non-Addressable properties).  **Issues to Note**  This dataset has been superseded by AfA380 and is no longer available.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B904C2F9D-EA36-428A-B37E-33E8A560733A%7D> |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Overall\_SW** | | | | |
| PC | Postcode Unit | **Y** | **Y** | **Y** |
| CNTPC | Number of Properties in the postcode unit | **Y** | **Y** | **Y** |
| RES\_CNT\_LOW | Number of Residential Properties in the postcode unit in a Low Flood Likelihood Category | **Y** | **Y** | **Y** |
| NRP\_CNT\_LOW | Number of Non-Residential Properties in the postcode unit in a Low Flood Likelihood Category | **Y** | **Y** | **Y** |
| NAD\_CNT\_LOW | Number of Non-Addressable Properties in the postcode unit in a Low Flood Likelihood Category | **Y** | **Y** | **Y** |
| TOT\_CNT\_LOW | Total number of properties in the postcode unit in a Low Flood Likelihood Category | **Y** | **Y** | **Y** |
| RES\_CNT\_MOD | Number of Residential Properties in the postcode unit in a Moderate Flood Likelihood Category | **Y** | **Y** | **Y** |
| NRP\_CNT\_MOD | Number of Non-Residential Properties in the postcode unit in a Moderate Flood Likelihood Category | **Y** | **Y** | **Y** |
| NAD\_CNT\_MOD | Number of Non-Addressable Properties in the postcode unit in a Moderate Flood Likelihood Category | **Y** | **Y** | **Y** |
| TOT\_CNT\_MOD | Total number of properties in the postcode unit in a Moderate Flood Likelihood Category | **Y** | **Y** | **Y** |
| RES\_CNT\_SIG | Number of Residential Properties in the postcode unit in a Significant Flood Likelihood Category | **Y** | **Y** | **Y** |
| NRP\_CNT\_SIG | Number of Non-Residential Properties in the postcode unit in a Significant Flood Likelihood Category | **Y** | **Y** | **Y** |
| NAD\_CNT\_SIG | Number of Non-Addressable Properties in the postcode unit in a Significant Flood Likelihood Category | **Y** | **Y** | **Y** |
| TOT\_CNT\_SIG | Total number of properties in the postcode unit in a Significant Flood Likelihood Category | **Y** | **Y** | **Y** |
| RES\_CNT\_NOR | Number of Residential Properties in the postcode unit in a ‘No Result’ Category. | **Y** | **Y** | **Y** |
| NRP\_CNT\_NOR | Number of Non-Residential properties in the postcode unit in a ‘No Result’ Category. | **Y** | **Y** | **Y** |
| NAD\_CNT\_NOR | Number of Non-Addressable Properties in the postcode unit in a ‘No Result’ Category. | **Y** | **Y** | **Y** |
| TOT\_CNT\_NOR | Total number of properties in the postcode unit in a ‘No Result’ Category. | **Y** | **Y** | **Y** |
| SORTOFF | Postcode Sorting Office | **Y** | **Y** | **Y** |
| DISTRICT | Postcode District | **Y** | **Y** | **Y** |
| SECTOR | Postcode Sector | **Y** | **Y** | **Y** |
| UNIT | Postcode Unit | **Y** | **Y** | **Y** |

### NaFRA Property Flood Likelihood Category (FLC) Database Pre Dec 2013 (AfA105)

|  |
| --- |
| **Description**  NaFRA Property Flood Likelihood Category (FLC) Database is the latest output using the Risk Assessment for flood and coastal defence for System Planning (RASP) High Level Method Plus (HLM+). It is a broad-brush assessment of the likelihood of flooding at a national scale, based on assessments undertaken for 85 river catchments and coastal cells, where a cell is an area of land measuring 50m by 50m.  The NaFRA Property Flood Likelihood Category Database provides flood likelihood information in a database indicating the level of flood risk to land in the area of a property address. It enables a comparison of the relative risks and their distribution within each of these areas, rather than a detailed, local assessment of the risk at a specific location. The three risk categories are:  • low - the chance of flooding each year is 0.5 per cent (1 in 200) or less  • moderate - the chance of flooding in any year is 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200)  • significant - the chance of flooding in any year is greater than 1.3 per cent (1 in 75)  It should be noted that the NaFRA Property FLC Database does not provide addressing information but does provide an Ordnance Survey TOID (AddressLayer TOID [TOID] and Building TOID [AREATOID]). An appropriate 3rd party address database is therefore required to make use of the data.  **Issues to Note**  This dataset has been superseded by AfA378 and is no longer available.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BCDE1DE56-7B1A-4BC6-A575-864485AEDDC8%7D> |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| TOID | OS Topographic Identifier for address [Source: OS MasterMap Address Layer, Nov 2005] | **Y** | **Y** | **Y** |
| AREAROID | A unique ID for each non-addressable property [Source: OS Mastermap Building Layer, Nov 2005] | **Y** | **Y** | **Y** |
| NaFRA\_FLC | NaFRA Flood Likelihood Category | **Y** | **Y** | **Y** |
| NumRes | Number of residential properties. [Source: Residential property count of properties with same TOID, OSAPR, NaFRA\_FLC combination] | **Y** | **Y** | **Y** |
| NumNonRes | Number of non residential properties. [Source: Non residential property count of properties with same TOID, OSAPR, NaFRA\_FLC combination] | **Y** | **Y** | **Y** |
| NumNonAddr | Number of non addressable properties. [Source: Non addressable property count of properties with same TOID, OSAPR, NaFRA\_FLC combination}] | **Y** | **Y** | **Y** |
| Total | Num of total properties. [Source: Total property count of properties with same TOID, OSAPR, NaFRA\_FLC combination] | **Y** | **Y** | **Y** |

### NaFRA Spatial Flood Likelihood Category (FLC) Grid Pre Dec 2013 (AfA106)

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| --- |
| **Description**  NaFRA Spatial Flood Likelihood Category (FLC) Grid is the latest output using the Risk Assessment for flood and coastal defence for System Planning (RASP) High Level Method Plus (HLM+). It is a broad-brush assessment of the likelihood of flooding at a national scale, based on assessments undertaken for 85 river catchments and coastal cells, where a cell is an area of land measuring 50m by 50m.  NaFRA Spatial (FLC) Grid enables a comparison of the relative risks and their distribution within each of these catchments, rather than a detailed, local assessment of the risk at a specific location. The calculations provide an indication of the likelihood of flooding at the centre of each cell. These results are then placed into three risk categories as used by the insurance industry. The three risk categories are:  • low - the chance of flooding each year is 0.5 per cent (1 in 200) or less  • moderate - the chance of flooding in any year is 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200)  • significant - the chance of flooding in any year is greater than 1.3 per cent (1 in 75)  **Issues to Note**  This dataset has been superseded by AfA379 and is no longer available.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BDF5DC2E9-2D39-40BC-9419-102CE3BBE79C%7D> |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Shapefile** | | | | |
| FID | Shapefile index - internal to ArcGIS | **Y** | **Y** | **Y** |
| SHAPE | Geometry type = polygon; Spatial Reference = British\_National\_Grid; Dissolved on PROB\_BAND | **Y** | **Y** | **Y** |
| PROB\_BAND | The flood likelihood category low, moderate, or significant according to the (published) NaFRA 2008 flood risk analysis. Possible values (capitalized as shown and Not NULL):   * Low * Moderate * Significant * No Result | **Y** | **Y** | **Y** |
| IZ\_ID | Six digit catchment number (e.g. 100182). All records in a catchment will have the same number, but the number for different catchments will be unique. Not NULL. | **Y** | **Y** | **Y** |
| **MapInfo** | | | | |
| Object ID | Object identifier | **Y** | **Y** | **Y** |
| Obj | Geometry type = polygon; Spatial Reference = British\_National\_Grid; Dissolved on PROB\_BAND | **Y** | **Y** | **Y** |
| PROB\_BAND | The flood likelihood category low, moderate, or significant according to the (published) NaFRA 2008 flood risk analysis. Possible values (capitalized as shown and Not NULL):   * Low * Moderate * Significant * No Result | **Y** | **Y** | **Y** |
| IZ\_ID | Six digit catchment number (e.g. 100182). All records in a catchment will have the same number, but the number for different catchments will be unique. Not NULL. | **Y** | **Y** | **Y** |

### Risk of Flooding from Rivers and Sea (AfA379)

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| --- |
| **Description**  Previously known as NaFRA Spatial Flood Likelihood Category Grid  This is a national assessment of flood risk for England produced using local expertise.  The dataset shows the chance of flooding from rivers and/or the sea, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. No more detailed resolution is provided.  This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  If the Content is displayed in map form to others it should be shown with a maximum zoom scale of: 1:10,000 with basemapping of 1:25,000 used to give context. The mapping is indicative of the scale and distribution of the likelihood of flooding and therefore we advise that viewing at more detailed scales may not be appropriate.  Because of the way they have been produced and the fact that they are indicative, the maps are not appropriate to act as the sole evidence for any specific planning or regulatory decision or assessment of risk in relation to flooding at any scale without further supporting studies or evidence.  We recommend that where our data is passed onto an end user that the suitability information is also shared to help them understand how reliable the information is at those different scales, and therefore how concerned they need to be about any potential flood risk in their area.  Contains Ordnance Survey data © Crown copyright and database right 2014. This attribution statement must be contained in any sub-licences of the Information that you grant, together with a requirement that any further sub-licences do the same.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B28352E9E-10E2-498E-8C29-B755B1807C83%7D>  **Update frequency**  Quarterly  **Supply frequency**  Quarterly  **Third Party Prior Rights**  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  ESRI File Geodatabase  **Special Conditions**  None  **Information Warning**   * S65 Drafting Instruction applicable if Flood Mapping is being supplied that is not suitable for use at property level * S101 Drafting Instruction applicable when we supply any mapping that indicates information about flooding * S143 Drafting Instruction when supplying Content that includes estimated, or modelled data   Information warning for VAR use only   * S144 Drafting Instruction when supplying Nafra data to a value added reseller   **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **ESRI File Geodatabase** | | | | |
| FID | Shapefile index - internal to ArcGIS | **Y** | **Y** | **Y** |
| SHAPE | Geometry type = polygon; Spatial Reference = British\_National\_Grid; | **Y** | **Y** | **Y** |
| PROB\_4BAND | The likelihood of flooding describes as a category:  • High - Greater than or equal to 1 in 30 (3.3%) chance in any given year  • Medium - Less than 1 in 30 (3.3%) but greater than or equal to 1 in 100 (1%) chance in any given year  • Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) chance in any given year  • Very Low - Less than 1 in 1,000 (0.1%) chance in any given year | **Y** | **Y** | **Y** |
| SUITABILITY | Suitability is the scale at which it is suitable to use the likelihood information, described as one of the following:  •National to County  •County to Town  •Town to Street  •Street to Parcels of land  •Property (including internal) | **Y** | **Y** | **Y** |
| PUB\_DATE | The date (month) of publication | **Y** | **Y** | **Y** |
| RISK\_FOR\_INSURANCE\_SOP | An attribute to show areas where flood risk is ‘significant’ (the likelihood of flooding is greater than or equal to 1 in 75 (1.3%) in any given year) as per the definition in the ‘Statement of Principles’ agreement between the government and the Association of British Insurers (ABI). ABI members voluntarily continue to meet their commitments to their existing customers under this agreement until a replacement is implemented.  If the likelihood of flooding is greater than or equal to 1 in 75 (1.3%) in any given year the field will contain:   * Yes | **Y** | **Y** | **Y** |
| **MapInfo TAB** | | | | |
| ObjectID | Object identifier | **Y** | **Y** | **Y** |
| Obj | Geometry type = polygon; Spatial Reference = British\_National\_Grid | **Y** | **Y** | **Y** |
| PROB\_4BAND | The likelihood of flooding describes as a category:  • High - Greater than or equal to 1 in 30 (3.3%) chance in any given year  • Medium - Less than 1 in 30 (3.3%) but greater than or equal to 1 in 100 (1%) chance in any given year  • Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) chance in any given year  • Very Low - Less than 1 in 1,000 (0.1%) chance in any given year | **Y** | **Y** | **Y** |
| SUITABILITY | Suitability is the scale at which it is suitable to use the likelihood information, described as one of the following:  •National to County  •County to Town  •Town to Street  •Street to Parcels of land  •Property (including internal) | **Y** | **Y** | **Y** |
| PUB\_DATE | The date (financial quarter) of publication | **Y** | **Y** | **Y** |
| RISK\_FOR\_INSURANCE\_SOP | An attribute to show areas where flood risk is ‘significant’ (the likelihood of flooding is greater than or equal to 1 in 75 (1.3%) in any given year) as per the definition in the ‘Statement of Principles’ agreement between the government and the Association of British Insurers (ABI). ABI members voluntarily continue to meet their commitments to their existing customers under this agreement until a replacement is implemented.  If the likelihood of flooding is greater than or equal to 1 in 75 (1.3%) in any given year the field will contain:   * Yes | **Y** | **Y** | **Y** |

### Risk of Flooding from Rivers and Sea – Postcodes in Areas at Risk (AfA380)

|  |
| --- |
| **Description**  Previously known as NaFRA Postcode Flood Likelihood Category Database.  This dataset is a product of a national assessment of flood risk for England produced using local expertise.  This dataset is produced using [Risk of Flooding from Rivers and Sea] which shows the chance of flooding from rivers and/or the sea, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition.  This dataset uses OS address data and Royal Mail postcode data to show how many properties are in each of four flood risk categories in each postcode, based simply on the category allocated to the cell that each property is in.  This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  If the Content is displayed in map form to others it should be shown with a maximum zoom scale of: 1:10,000 with basemapping of 1:25,000 used to give context. The mapping is indicative of the scale and distribution of the likelihood of flooding and therefore we advise that viewing at more detailed scales may not be appropriate.  Because of the way they have been produced and the fact that they are indicative, the maps are not appropriate to act as the sole evidence for any specific planning or regulatory decision or assessment of risk in relation to flooding at any scale without further supporting studies or evidence.  We recommend that where our data is passed onto an end user that the suitability information is also shared to help them understand how reliable the information is at those different scales, and therefore how concerned they need to be about any potential flood risk in their area.  Contains Ordnance Survey data © Crown copyright and database right 2014. This attribution statement must be contained in any sub-licences of the Information that you grant, together with a requirement that any further sub-licences do the same.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B39CB3E8A-D961-4C5F-AB8D-B4414B2C8C54%7D>  **Update frequency**  Quarterly  **Supply frequency**  Quarterly  **Third Party Prior Rights**  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  Microsoft Access Database  **Special Conditions**  **Information Warning**   * S65 Drafting Instruction applicable if Flood Mapping is being supplied that is not suitable for use at property level * S101 Drafting Instruction applicable when we supply any mapping that indicates information about flooding * S143 Drafting Instruction when supplying Content that includes estimated, or modelled data   Information warning for VAR use only   * S144 Drafting Instruction when supplying Nafra data to a value added reseller   **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| PC | Postcode | **Y** | **Y** | **Y** |
| cntpc | Property count per postcode | **Y** | **Y** | **Y** |
| RES\_CNT\_VeryLow | Residential properties in a 'Very Low' flood likelihood category | **Y** | **Y** | **Y** |
| NRP\_CNT\_VeryLow | Non residential properties in a 'Very Low' flood likelihood category | **Y** | **Y** | **Y** |
| NAD\_CNT\_VeryLow | Non-addressable properties in a 'Very Low' flood likelihood category | **Y** | **Y** | **Y** |
| TOT\_CNT\_VeryLow | Total properties in a 'Very Low' flood likelihood category | **Y** | **Y** | **Y** |
| RES\_CNT\_Low | Residential properties in a 'Low' flood likelihood category | **Y** | **Y** | **Y** |
| NRP\_CNT\_Low | Non residential properties in a 'Low' flood likelihood category | **Y** | **Y** | **Y** |
| NAD\_CNT\_Low | Non-addressable properties in a 'Low' flood likelihood category | **Y** | **Y** | **Y** |
| TOT\_CNT\_Low | Total properties in a 'Low' flood likelihood category | **Y** | **Y** | **Y** |
| RES\_CNT\_Medium | Residential properties in a 'Medium' flood likelihood category | **Y** | **Y** | **Y** |
| RES\_CNT\_Medium\_INS | Residential properties in a ‘Medium’ flood likelihood category where risk for insurance standard of protection is 'Yes' | **Y** | **Y** | **Y** |
| NRP\_CNT\_Medium | Non residential properties in a 'Medium' flood likelihood category | **Y** | **Y** | **Y** |
| NRP\_CNT\_Medium\_INS | Non residential properties in a ‘Medium’ flood likelihood category where risk for insurance standard of protection is 'Yes' | **Y** | **Y** | **Y** |
| NAD\_CNT\_Medium | Non-addressable properties in a 'Medium' flood likelihood category | **Y** | **Y** | **Y** |
| TOT\_CNT\_Medium | Total properties in a 'Medium' flood likelihood category | **Y** | **Y** | **Y** |
| RES\_CNT\_High | Residential properties in a 'High' flood likelihood category | **Y** | **Y** | **Y** |
| RES\_CNT\_High\_INS | Residential properties in a ‘High’ flood likelihood category where risk for insurance standard of protection is 'Yes' | **Y** | **Y** | **Y** |
| NRP\_CNT\_High | Non residential properties in a 'High' flood likelihood category | **Y** | **Y** | **Y** |
| NRP\_CNT\_High\_INS | Non residential properties in a ‘High’ flood likelihood category where risk for insurance standard of protection is 'Yes' | **Y** | **Y** | **Y** |
| NAD\_CNT\_High | Non-addressable properties in a 'High' flood likelihood category | **Y** | **Y** | **Y** |
| TOT\_CNT\_High | Total properties in a 'High' flood likelihood category | **Y** | **Y** | **Y** |
| RES\_CNT\_NOR | Residential properties classified as having 'No Result' | **Y** | **Y** | **Y** |
| NRP\_CNT\_NOR | Non residential properties classified as having 'No Result' | **Y** | **Y** | **Y** |
| NAD\_CNT\_NOR | Non-addressable properties classified as having 'No Result' | **Y** | **Y** | **Y** |
| TOT\_CNT\_NOR | Total properties classified as having 'No Result' | **Y** | **Y** | **Y** |
| SORTOFF | Postcode Sorting Office code | **Y** | **Y** | **Y** |
| DISTRICT | Postcode District | **Y** | **Y** | **Y** |
| SECTOR | Postcode Sector | **Y** | **Y** | **Y** |
| UNIT | Postcode Unit | **Y** | **Y** | **Y** |

### Risk of Flooding from Rivers and Sea – Properties in Areas at Risk (AfA378)

|  |
| --- |
| **Description**  Previously known as NaFRA Property Flood Likelihood Category Database.  This dataset is a product of a national assessment of flood risk for England produced using local expertise.  This dataset is produced using Risk of Flooding from Rivers and Sea which shows the chance of flooding from rivers and/or the sea, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition.  This dataset uses OS data to assign one of four flood risk categories to each property, based simply on the category allocated to the cell that the property is in.  Individual addresses are not provided, but OS referencing is included to enable the data to be linked to address databases.  This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  If the Content is displayed in map form to others it should be shown with a maximum zoom scale of: 1:10,000 with basemapping of 1:25,000 used to give context. The mapping is indicative of the scale and distribution of the likelihood of flooding and therefore we advise that viewing at more detailed scales may not be appropriate.  Because of the way they have been produced and the fact that they are indicative, the maps are not appropriate to act as the sole evidence for any specific planning or regulatory decision or assessment of risk in relation to flooding at any scale without further supporting studies or evidence.  We recommend that where our data is passed onto an end user that the suitability information is also shared to help them understand how reliable the information is at those different scales, and therefore how concerned they need to be about any potential flood risk in their area.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B49ACF99D-3355-4EAD-8CE1-5CFA74343FD1%7D>  **Update frequency**  Quarterly  **Supply frequency**  Quarterly  **Third Party Prior Rights**  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  Microsoft Access Database  **Special Conditions**  None  **Information Warning**   * S65 Drafting Instruction applicable if Flood Mapping is being supplied that is not suitable for use at property level * S101 Drafting Instruction applicable when we supply any mapping that indicates information about flooding * S143 Drafting Instruction when supplying Content that includes estimated, or modelled data   Information warning for VAR use only   * S144 Drafting Instruction when supplying Nafra data to a value added reseller   **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| TOID | OS Topographic Identifier for address | **Y** | **Y** | **Y** |
| AREAROID | A unique ID for each non-addressable property | **Y** | **Y** | **Y** |
| NaFRA\_FLC | The likelihood of flooding describes as a category:  • High - Greater than or equal to 1 in 30 (3.3%) chance in any given year  • Medium - Less than 1 in 30 (3.3%) but greater than or equal to 1 in 100 (1%) chance in any given year  • Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) chance in any given year  • Very Low - Less than 1 in 1,000 (0.1%) chance in any given year | **Y** | **Y** | **Y** |
| SUITABILITY | Suitability is the scale at which it is suitable to use the likelihood information, described as one of the following:  •National to County  •County to Town  •Town to Street  •Street to Parcels of land  •Property (including internal) | **Y** | **Y** | **Y** |
| RISK\_FOR\_INSURANCE\_SOP | An attribute to show areas where flood risk is ‘significant’ (the likelihood of flooding is greater than or equal to 1 in 75 (1.3%) in any given year) as per the definition in the ‘Statement of Principles’ agreement between the government and the Association of British Insurers (ABI). ABI members voluntarily continue to meet their commitments to their existing customers under this agreement until a replacement is implemented.  If the likelihood of flooding is greater than or equal to 1 in 75 (1.3%) in any given year the field will contain:   * Yes | **Y** | **Y** | **Y** |
| NumRes | Number of residential properties. | **Y** | **Y** | **Y** |
| NumNonRes | Number of non residential properties. | **Y** | **Y** | **Y** |
| NumNonAddr | Number of non addressable properties. | **Y** | **Y** | **Y** |
| Total | Number of total properties. | **Y** | **Y** | **Y** |

# FINANCE

### 

### Spend Over £500 GPC monthly (AfA327)

**Description**

The Environment Agency (EA), one of Defra’s Arms Length bodies has published all Government Procurement Card (GPC) spend for the EA GPC’s. The data published includes transactions that have a single transaction value of £500 or above. This data will be published from April 2011 to March 2012 in quarterly instalments and then will be issued monthly for 2012-13.

**Issues to Note**

Available for download on Data.Gov

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B7EC6ED38-A9CD-4295-A2CD-6696BACD6159%7D>

**Update frequency**

Monthly

**Supply frequency**

N/A

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

Excel

**Special Conditions**

None

**Information Warning**

N/A

**Guidance**

N/A

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Date | Date of transaction | **Y** | **Y** | **Y** |
| Merchant Name |  | **Y** | **Y** | **Y** |
| Amount | Value of transaction (£) | **Y** | **Y** | **Y** |
| Description | Description of purchase | **Y** | **Y** | **Y** |

### Spend Over £25k month year (AfA326)

**Description**

Every body of the UK central government is required to report its transactional expenditure once a month.

This dataset lists all transactions greater than £25k for the specified year and month.

**Issues to Note**

Available for download on Data.Gov

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BACD5B516-DDC3-4483-BCC8-0B2A24B6F1B6%7D>

**Update frequency**

Monthly

**Supply frequency**

N/A

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

Excel

**Special Conditions**

None

**Information Warning**

N/A

**Guidance**

N/A

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Department | Government Department – “DEFRA” in every case. | **Y** | **Y** | **Y** |
| Entity | “EA” in every case | **Y** | **Y** | **Y** |
| Date | Date of transaction | **Y** | **Y** | **Y** |
| Expense Type | e.g. “Professional Services Other” or “Construction” | **Y** | **Y** | **Y** |
| Expense Area | e.g. “HO Fleet Operation”, “SE Capital WiP” | **Y** | **Y** | **Y** |
| Supplier | Name of Supplier | **Y** | **Y** | **Y** |
| Transaction Number | Numeric Reference number for transaction. | **Y** | **Y** | **Y** |
| Amount | Value of transaction (£) | **Y** | **Y** | **Y** |
| Description | Description of transaction (e.g. “Staff work related rail travel”, “IT Service Outsource service charge and work order costs” . | **Y** | **Y** | **Y** |
| Supplier Postcode |  | **Y** | **Y** | **Y** |
| Supplier Type | Usually blank | **Y** | **Y** | **Y** |
| Contract Number | EA Contract Number where applicable. | **Y** | **Y** | **Y** |
| Project Code | EA project Code where applicable. | **Y** | **Y** | **Y** |
| Expenditure Type | Either ‘Project’ or ‘Administration’ | **Y** | **Y** | **Y** |
| Vat Registration Number | Usually blank | **Y** | **Y** | **Y** |

### 

# HYDROMETRY

### Archived Non Quality Controlled Recording Precipitation Data (AfA344)

|  |
| --- |
| **Description**  The Environment Agency has approximately 1000 real time recording precipitation gauges which are connected by telemetry. Measurements of the amount of precipitation (mm) are captured in Recording Raingauges. Each gauge provides event precipitation data at a resolution of 0.2mm.  The Archived non Quality Controlled Recording Precipitation Data is archived and is provided in non-real time. The format of the data and the frequency at which the data is transferred to the archive varies depending on how the data is used. This data is available in its original event resolution and in summary aggregated time series (e.g. subdaily, 15 min, daily, monthly and annual).  Please note the Archived non Quality Controlled Recording Precipitation Data covered by this AfA is unvalidated. Quality controlled daily and monthly precipitation data is covered by AFA148.  During 2013/14 approximately 100 recording precipitation raingauges utilising a different technology will be deployed and the data format for these may be different.  **Issues to Note**  This is a large dataset and extracting all of it may need over 18hrs of computer run-time  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBC  **Update frequency**  Daily  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  EA Timeseries XML v1.1  **Special Conditions**  None  **Information Warning**  This is for non quality controlled (QC) data which is collected for the Environment Agency’s own operational needs and may not suit the needs of the customer or end user. QC’d data can be licensed at the same price.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Date | Date file created | **Y** | **Y** | **Y** |
| Time | Time file created | **Y** | **Y** | **Y** |
| Flags/comments | Comment or flag code (e.g. code for QC) | **Y** | **Y** | **Y** |
| Identifier | e.g.NWRFHSCXAS1 | **Y** | **Y** | **Y** |
| Station reference | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Region | Agency Region in which site is located | **Y** | **Y** | **Y** |
| Station name | Name of station from WISKI system | **Y** | **Y** | **Y** |
| NGR | British National Grid reference | **Y** | **Y** | **Y** |
| Catchment | Name of river catchment in which site is located | **Y** | **Y** | **Y** |
| Values/Parameters | i.e. rainfall | **Y** | **Y** | **Y** |
| Qualifier | More detailed meta data relating to the value/parameter above i.e. tipping bucket rain gauge | **Y** | **Y** | **Y** |
| Data type | Definition of data i.e. event | **Y** | **Y** | **Y** |
| Period | Time interval of measurement e.g. 15 minute | **Y** | **Y** | **Y** |
| Units | Measurement units i.e. mm | **Y** | **Y** | **Y** |
| Start Date | Date of first parameter in file | **Y** | **Y** | **Y** |
| Start Time | Time of first parameter in file | **Y** | **Y** | **Y** |
| End Date | Date of last parameter in file | **Y** | **Y** | **Y** |
| End Time | Time of last parameter in file (may be identified as ‘last collected result’ on the screen if transferred data is uploaded to the web-site automatically) | **Y** | **Y** | **Y** |

### Daily Mean River Flows [WISKI] (AfA186)

|  |
| --- |
| **Description**  Daily Mean River Flows is an extract from the WISKI database. Daily Mean River Flows is an extract from the WISKI database. WISKI holds hydrometric time series data (river level, flow, groundwater, rainfall and climate together with some water quality) including quality controlled 15 minute measurements of river flow for approximately 1400 open gauging stations in England and Wales with some records dating back as far as 1903. Automatic measurements of level (m) or flow (m3/s) are transferred from the field via telemetry and other means, to internal and external systems. The 15 minute measurements of flow are archived in WISKI where they are used to generate Daily Mean River Flows, as well as other summary time series.  **Issues to Note**  Because of our legal duties under Section 197 of the Water Resources Act no charge can be made when supplying this information to water companies for their statutory purposes.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={3F2D52DB-4B8A-4534-8941-6ED4904FC6C9}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b3F2D52DB-4B8A-4534-8941-6ED4904FC6C9%7d)  **Update frequency**  Daily  **Supply frequency**  Updates involving large numbers of sites or requests for 15 min data from the full period of record would require significant resources and would be difficult to achieve. Currently a years worth of daily mean flow data and monthly maximum instantaneous flows are provided to the National River Flow Archive in March of the following year. Updates to other customers are dealt with on a case by case basis.  **Third Party Prior Rights**  No  **Data Contact / Supply**  Local or National Hydrometry and Telemetry teams  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  For supply of this data to the National River Flow Archive the ‘Creator’ field can be retained to allow NRFA to query the data as required. However, as the response is always ‘Chris’ the field is not classed as personal data but equally is not of any value so should be removed from the schema as soon as feasible. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Md:Publisher | Who is transferring the data, in this case “Environment Agency”. [This field is included since it adheres to the standard used in WISKI, the field may be updated if supplied externally]. | **Y** | **Y** | **Y** |
| Source | System from which the data originates i.e. WISKI | **Y** | **Y** | **Y** |
| Description | Description of process i.e. test | **Y** | **Y** | **Y** |
| Creator | First name of person who set up the format of the xml schema. Response is always ‘Chris’. | **N** | **N** | **N** |
| Date | Date file created | **Y** | **Y** | **Y** |
| Time | Time file created | **Y** | **Y** | **Y** |
| Identifier | Server name | **Y** | **Y** | **Y** |
| Station reference | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Region | Agency Region in which site is located | **Y** | **Y** | **Y** |
| NGR | British National Grid reference | **Y** | **Y** | **Y** |
| River Name | Name of river on which site is located | **Y** | **Y** | **Y** |
| Station name | Name of station from WISKI system | **Y** | **Y** | **Y** |
| Values/Parameters | i.e. flow | **Y** | **Y** | **Y** |
| Qualifier | More detailed meta data relating to the value/parameter above i.e. logged, or type of gauge | **Y** | **Y** | **Y** |
| Data type | Definition of data (equals mean in this instance) | **Y** | **Y** | **Y** |
| Period | Time interval of measurement i.e. day | **Y** | **Y** | **Y** |
| Units | Measurement units i.e. m3/s | **Y** | **Y** | **Y** |
| Start Date | Date of first parameter in file | **Y** | **Y** | **Y** |
| Start Time | Time of first parameter in file | **Y** | **Y** | **Y** |
| End Date | Date of last parameter in file | **Y** | **Y** | **Y** |
| End Time | Time of last parameter in file (may be identified as ‘last collected result’ on the screen if transferred data is uploaded to the web-site automatically) | **Y** | **Y** | **Y** |

### 

### EA Current Meter Gauging Tool (AfA368)

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| --- |
| **Description**  This tool estimates the flow rate (in cubic metres per second) at a cross-section of a river at a point in time, based on measurements using a velocity measurement device.  The EA Current Meter Gauging Tool computes flow from inputted gauging measurements.  The tool is based on the EA-authored hydrological principles found in BS3680 and EA operational guidance, but does not copy any BSI wording or diagrams.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  EA Current Meter Gauging Tool V1.13.  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| EA Current Meter Gauging Tool | Worksheet | **Y** | **Y** | **Y** |

### EA Rating Curve Editor (AfA367)

|  |
| --- |
| **Description**  This tool uses Current meter gauging to estimate an equation for a specific river site, which allows flows to be calculated from recorded level measurements.  The EA Rating Curve Editor fits stage discharge rating curves through gauging data.  The tool is based on the EA-authored hydrological principles found in BS3680 and EA operational guidance, but does not copy any BSI wording or diagrams.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  E-mail Hydrology HO  **Format Supplied**  Excel  EA Rating Curve Editor V1.13  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| EA Rating Curve Editor | Worksheet | **Y** | **Y** | **Y** |

### Groundwater Level Measurements (AfA075)

|  |
| --- |
| **Description**  This dataset comprises groundwater level time series data taken at approximately 6000 borehole monitoring stations located across England and Wales.  Discrete station information is stored for each site including identifier, spatial reference, parameter type and time series type. This dataset contains sites for operational and closed monitoring stations.  Data is collected from Environment Agency borehole monitoring stations that are collated by Area staff normally by either downloading the station ‘Logger Data’ or manually ‘Dipping’ to determine borehole water level.  This is a large dataset with high extraction costs, and we do not normally expect to supply it as a whole. Larger requests will be assessed against our normal procedures for charging for, and refusing access to information. If we receive a request for the entire dataset we would consider refusal, or a full cost of extraction charge.  Information Warning: Geographical density is highly variable. Density is typically highest where significant water supply aquifers are present or where historical groundwater issues have occurred.  **Issues to Note**  Charging for commercial requests should be based on number of sites pro-rata to the total (6000). *Where the number of sites requested exceeds 800, it may be possible to charge extraction costs, or refuse. Email DataInfo for the appropriate assessment to be made. (Note 800 sites equates to roughly 18 hours work, which is our trigger point for assessment for Refusal or Charging).*  If a VAR asks for this entire dataset, advise them that this is not suitable for VAR use, and were they to ask formally and we were to agree that they had an appropriate use, it is probable that we would impose an exceptional charge for the cost of supply.  VAR use of this dataset would only be approved if we are satisfied that the product or use, has access to the appropriate supporting datasets and expertise. This will involve discussion with hydrogeology Head Office specialists.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={6E6CFDDB-B92F-4F63-A955-94671B56660A}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b6E6CFDDB-B92F-4F63-A955-94671B56660A%7d)  **Update frequency**  Daily.  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Area Hydrometry amd Telemetry teams. For larger requests, Head Office Measurement Team.  Please contact Head Office Measurement Team to assess larger requests.  **Format Supplied**  Excel  **Special Conditions**  S124 Special Condition where we supply Groundwater Level Measurements**.**  **Information Warning**  Geographical density is highly variable. Density is typically highest where significant water supply aquifers are present or where historical groundwater issues have occurred.  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Monitoring Station** | | | | |
| STATION NUMBER | Unique identifier assigned to each boring station | **Y** | **Y** | **Y** |
| STATION NAME | The name of the station usually indicating location and type of the station | **Y** | **Y** | **Y** |
| EASTING | Easting as converted within WISKI from OS Grid Reference | **Y** | **Y** | **Y** |
| NORTHING | Northing as converted within WISKI from OS Grid Reference | **Y** | **Y** | **Y** |
| PARAMETER-NAME | Parameter that the borehole station monitors. There is a selection of defined parameters held within WISKI. All Groundwater Depth data is defined and populated as ‘WL’ (water level). For technical reasons it’s included. | **Y** | **Y** | **Y** |
| PARAMETER TYPE | For Groundwater Depths this is populated as ‘WL’ (water level). In other instances within WISKI this would distinguish a parameter sub-category based on measurement type. For technical reasons this is included. | **Y** | **Y** | **Y** |
| TIME SERIES NAME | The name of the time series located at the site. This is recorded as a code that is determined by a concatenated string consisting of site number, time series number, parameter type, frequency and status of data. | **Y** | **Y** | **Y** |
| TIME SERIES UNIT | Unit for which the time series data is captured (metres) | **Y** | **Y** | **Y** |
| TIME LEVEL | Resolution of the time series measurements. Always High-Resolution for Groundwater Depth. Not included. | **Y** | **Y** | **Y** |
| TIME SERIES TYPE | The time series capture type, such as whether the value recorded is taken instantaneous or over a longer period (e.g. 15 minutes) or if it has been derived through calculation. | **Y** | **Y** | **Y** |
| EQUIDISTANT TIME SERIES | Flag as to whether the time series data is recorded over a regular time period. Can be either:   * Yes * No (i.e. an irregular time series). | **Y** | **Y** | **Y** |
| TIME SERIES QUALITY | Flag as to whether the time series data taken has been quality assured with records being edited or deleted. All data disseminated is production. Flagged as either:   * Production (Validated data) * Origin Data (Raw data) | **Y** | **Y** | **Y** |
| **Time Series** | | | | |
| DATE | Date of time series measurement (DD/MM/YYYY) | **Y** | **Y** | **Y** |
| TIME | Time of time series measurement (HH:MM:SS) | **Y** | **Y** | **Y** |
| DIP [m] | Depth of dip required determining water level (metres). I.e. distance from the top of the borehole to water surface. | **Y** | **Y** | **Y** |
| QUALITY FLAG | Quality of the time series measurement:   * G (Good) * GEd (Good Edited) * S (Suspect) * M (Missing) * U (Unchecked)   It is of note that no unchecked data is disseminated but has been included for completion. | **Y** | **Y** | **Y** |
| WL [m AOD] | [Ground] Water Level (metres Above Ordnance Datum [metres above sea level]) | **Y** | **Y** | **Y** |

### High Frequency Real-time and Near-real-time Raingauge Data (AfA147)

|  |
| --- |
| **Description**  The Environment Agency’s real time rain gauge network measures rainfall in real time with the information made available via the telemetry and the Data Distribution server. Measurements of the amount of precipitation (mm) are captured in tipping bucket gauges. Each gauge provides event rainfall data (time of tip) as it happens.  The real time gauges, approximately 160, are a subset of the Tipping Bucket Raingauge (TBR) network and are available through the Data Distribution Server. The full dataset, where updates are provided at an hourly frequency or longer, is available in AfA236 Real-time and Near-real-time Raingauge Data.  Continuous rainfall information is also stored on WISKI and can be provided in non-real time. This is provided to the Met Office for quality control along with all the data from our registered daily storage gauges. It is therefore **not** covered by this AfA. The quality controlled dataset is covered in AFA148 Quality Controlled Daily and Monthly Raingauge Data from Environment Agency Gauges.  **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={C5170CE4-32C6-4438-8398-7682805D9AC8}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bC5170CE4-32C6-4438-8398-7682805D9AC8%7d)  **Update frequency**  Continuous  **Supply frequency**  Ten minutes from completion of hour.  **Third Party Prior Rights**  No  **Data Contact / Supply**  Area Hydrometry &Telemetry or National Operations Teams via the Regional Telemetry Systems  **Format Supplied**  EA Timeseries XML v1.1  **Special Conditions**  None  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Date | Date file created | **Y** | **Y** | **Y** |
| Time | Time file created | **Y** | **Y** | **Y** |
| Flags/comments | Comment or flag code (e.g. code for QC) | **Y** | **Y** | **Y** |
| Identifier | e.g.NWRFHSCXAS1 | **Y** | **Y** | **Y** |
| Station reference | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Region | Agency Region in which site is located | **Y** | **Y** | **Y** |
| Station name | Name of station from WISKI system | **Y** | **Y** | **Y** |
| NGR | British National Grid reference | **Y** | **Y** | **Y** |
| Catchment | Name of river catchment in which site is located | **Y** | **Y** | **Y** |
| Values/Parameters | i.e. storage rainfall | **Y** | **Y** | **Y** |
| Qualifier | More detailed meta data relating to the value/parameter above i.e. tipping bucket rain gauge | **Y** | **Y** | **Y** |
| Data type | Definition of data i.e. event | **Y** | **Y** | **Y** |
| Period | Time interval of measurement i.e. every day | **Y** | **Y** | **Y** |
| Units | Measurement units i.e. mm | **Y** | **Y** | **Y** |
| Start Date | Date of first parameter in file | **Y** | **Y** | **Y** |
| Start Time | Time of first parameter in file | **Y** | **Y** | **Y** |
| End Date | Date of last parameter in file | **Y** | **Y** | **Y** |
| End Time | Time of last parameter in file (may be identified as ‘last collected result’ on the screen if transferred data is uploaded to the web-site automatically) | **Y** | **Y** | **Y** |

### 

### Hydrometric Monitoring Points Limited Use (AfA404)

|  |
| --- |
| **Description**  This dataset shows the location of all current sites used for monitoring water quantity, including groundwater, rivers, lakes, estuaries and rainfall.  This hydrometric sites dataset contains the locations of hydrometric monitoring points (surface water, groundwater and climate sites). The data reflects current sites.  **Guidance**  This dataset is not available for publication or for VAR use.  It contains personal data of the people who have our monitoring sites on their own property. It can be licensed for uses that those people would consider fair, taking into account what we have told those people we will use the data for. This is likely to include licensing to our subcontractors, the Met Office, Water Companies, Infrastructure projects, environmental management and flood-related projects and environmental research.  **Issues to Note**  Limited Use version is available on I: drive titled ‘WISKI\_open\_sites’  Open Data version is available on Datashare  We have both an OpenData and a Limited Use version of this dataset.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  TBA  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  Point Shapefile  **Special Conditions**  S77    Special Condition when we are supplying information that identifies the locations of public water supply abstraction sources or hydrometric sites  **Information Warning**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shapefile | Point shapefile | **N** | **N** | **N** |
| FID | ESRI point shapefile | **Y** | **Y** | **Y** |
| SHAPE | Identifies record as type ‘POINT’ | **Y** | **Y** | **Y** |
| SITE\_NUMBER | Site Reference Number | **Y** | **Y** | **Y** |
| SITE\_NAME | Name of monitoring site | **Y** | **Y** | **Y** |
| SITE\_STATUS | Site is classified as Open or Closed. Only sites marked as Open appear in this dataset. (1179?) | **Y** | **Y** | **Y** |
| SITE\_TYPE | Broad type of site e.g.:   * Climate Stations * Groundwater Sites * Surface Water Sites * Effluent Sites * Reservoirs * 2nd Gauging Sites | **Y** | **Y** | **Y** |
| SITE\_SUB\_TYPE | More specific site type:   * Precipitation – manually read * Precipitation - recording | **Y** | **Y** | **Y** |
| NATIONAL\_GRID\_REFERENCE | Grid Square element of NGR | **N** | **N** | **N** |

### Hydrometric Monitoring Points Open Data (AfA216)

|  |
| --- |
| **Description**  This dataset shows the (approximate) location of all current sites used for monitoring water quantity, including groundwater, rivers, lakes, estuaries and rainfall.  Precise locations are not provided in this dataset for Personal Data reasons. More detailed locations may be available. Site locations are provided only to an accuracy of 1km.  This hydrometric sites dataset contains the locations of hydrometric monitoring points (surface water, groundwater and climate sites). The data reflects current sites.  **Guidance**  N/A  **Issues to Note**  Limited Use version is available on I: drive titled ‘WISKI\_open\_sites’  Open Data version is available on Datashare  We have both an OpenData and a Limited Use version of this dataset.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBA  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  Point Shapefile  **Special Conditions**  N/A  **Information Warning**  Site locations are provided only to an accuracy of 1km. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shapefile | Point shapefile | **Y** | **Y** | **Y** |
| FID | ESRI point shapefile | **Y** | **Y** | **Y** |
| SHAPE | Identifies record as type ‘POINT’ | **Y** | **Y** | **Y** |
| SITE\_NUMBER | Site Reference Number | **Y** | **Y** | **Y** |
| SITE\_NAME | Name of monitoring site | **Y** | **Y** | **Y** |
| SITE\_STATUS | Site is classified as Open or Closed. Only sites marked as Open appear in this dataset. (1179?) | **Y** | **Y** | **Y** |
| SITE\_TYPE | Broad type of site e.g.:   * Climate Stations * Groundwater Sites * Surface Water Sites * Effluent Sites * Reservoirs * 2nd Gauging Sites | **Y** | **Y** | **Y** |
| SITE\_SUB\_TYPE | More specific site type:   * Precipitation – manually read * Precipitation - recording | **Y** | **Y** | **Y** |
| NATIONAL\_GRID\_REFERENCE | Grid Square element of NGR | **Y** | **Y** | **Y** |

### Manual River Flow Measurements (AfA205)

|  |
| --- |
| **Description**  Manual River Flow Measurements (also referred to as spot or instantaneous flows) is a dataset of flow measurements carried out by visits to river sites. This output contains the calculated flow for each gauging, rather than the detailed measurements and calculations used to produce it. The most common techniques measure velocities across a river’s cross-section either with impellor-based current meters, or using Acoustic Doppler Current Profilers.  Data is held for:   * **Primary sites.** These are gaugings at permanent, continuous monitoring sites. Their main purpose is to check that the permanent site is calculating flows correctly. * **Secondary sites.** These are gaugings at otherwise ungauged sites. They are intended as a record in themselves, where no other information is available). They may be one-off measurements or part of a planned programme.   Both primary and secondary gaugings provide a valuable spatial and temporal description of river flows across England and Wales  There are approximately 27,000 open sites. A few primary sites will have data from the 1960s to the present day.  High resolution (typically 15-minute) river flow information, from a network of permanent, continuous sites is held separately.  All requests can be difficult to extract, but we will not refuse any requests for fewer than 20 sites. Larger requests will be assessed against our normal procedures for refusals and charging.  **Issues to Note**  Water Companies have statutory rights of use under s197 of the Water Resources Act 1991, which means that absence of any licence will not be a problem if they limit their use to statutory purposes. In this instance they should be supplied with a copyright statement and disclaimer, and without charge.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={5650C94F-28C6-4EB6-8943-1E07FCE347A7}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b5650C94F-28C6-4EB6-8943-1E07FCE347A7%7d)  **Update frequency**  Daily  **Supply frequency**  The same difficulties of extraction identified in the description also apply to updates.  Primary gaugings can be extracted from WISKI using the export wizard. This is less resource intensive.  **Third Party Prior Rights**  None  **Data Contact / Supply**  Data will either be provided directly by Area H&T teams or by the national Hydrometry and Telemetry team in Operations.  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  All requests can be difficult to extract, but we will not refuse any requests for fewer than 20 sites. Larger requests will be assessed against our normal procedures for refusals and charging. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Site Name | Name of station from BIBER system | **Y** | **Y** | **Y** |
| Site Number | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Grid reference | British National Grid reference | **Y** | **Y** | **Y** |
| River | Name of river on which site is located | **Y** | **Y** | **Y** |
| Status | Confirmed /Unconfirmed. This is a Boolean field denoting whether data entry has been checked. | **Y** | **Y** | **Y** |
| Quality | I.e. Good, Fair, Poor . This is an on-site assessment of the conditions during measurement. It is a subjective categorisation of confidence in the result by the gauger. Weed fouling an impellor, complex adjustments, turbulent flow etc would be reflected in a lower category. | **Y** | **Y** | **Y** |
| Date Time | Time of gauging | **Y** | **Y** | **Y** |
| Stage Start | Stage in stilling well (if relevant) at start of gauging | **Y** | **Y** | **Y** |
| Stage End | Stage in stilling well (if relevant) at end of gauging | **Y** | **Y** | **Y** |
| Mean Stage | Mean Stage in stilling well (if relevant) during gauging | **Y** | **Y** | **Y** |
| Flow [m3/s] | Calculated flow in m3/sec | **Y** | **Y** | **Y** |
| Width of River | Width of River at Gauging Point | **Y** | **Y** | **Y** |
| Gauging Deviation [%] | Difference between manually gauged flow and calculated flow at gauging station for equivalent time. (Primary gaugings only). | **Y** | **Y** | **Y** |
| Cross section[m2] | Channel cross section at gauging point | **Y** | **Y** | **Y** |
| Mean Velocity [m/s] | Mean velocity in cross section | **Y** | **Y** | **Y** |
| Wetted Perimeter [m] | Total wetted perimeter at gauging point | **Y** | **Y** | **Y** |
| Mean Depth | Mean depth of cross section | **Y** | **Y** | **Y** |
| Measurement Type | Gauging Technique, e.g. multi point or dilution | **Y** | **Y** | **Y** |
| Calculation Method | Number of depth measurements at which velocity is recorded. | **Y** | **Y** | **Y** |
| Team | Team who undertook the gauging | **N** | **N** | **N** |
| Parameter | Flow | **Y** | **Y** | **Y** |
| Remarks | Additional remarks | **N** | **N** | **N** |

### Monthly Maximum Instantaneous River Flows [WISKI] (AfA187)

|  |
| --- |
| **Description**  Monthly Maximum Instantaneous Flows is an extract from the WISKI database. WISKI holds hydrometric time series data (river level, flow, groundwater, rainfall and climate together with some water quality) including quality controlled 15 minute measurements of river flow for approximately 1400 open gauging stations in England and Wales with some records dating back as far as 1903. Automatic measurements of level (m) or flow (m3/s) are transferred from the field via telemetry and other means to internal and external systems. The 15 minute measurements of flow in WISKI are used to generate Monthly Maximum Instantaneous River Flows, as well as other summary time series.  **Issues to Note**  Because of our legal duties under Section 197 of the Water Resources Act no charge can be made when supplying this information to water companies for their statutory purposes.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={909E5DB2-2622-446D-9ACD-479882EB32CD}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b909E5DB2-2622-446D-9ACD-479882EB32CD%7d)  **Update frequency**  Daily  **Supply frequency**  Updates involving large numbers of sites or requests for 15 min data from the full period of record would require significant resources and would be difficult to achieve. Currently a years worth of daily mean flow data and monthly maximum instantaneous flows are provided to the National River Flow Archive in March of the following year. Updates to other customers are dealt with on a case by case basis.  **Third Party Prior Rights**  No  **Data Contact / Supply**  Local or National Hydrometry and Telemetry teams  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  For supply of this data to the National River Flow Archive the ‘Creator’ field can be retained to allow NRFA to query the data as required. However, as the response is always ‘Chris’ the field is not classed as personal data but equally is not of any value so should be removed from the schema as soon as feasible. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Md:Publisher | Who is transferring the data, in this case “Environment Agency”. [This field is included since it adheres to the standard used in WISKI, the field may be updated if supplied externally]. | **Y** | **Y** | **Y** |
| Source | System from which the data originates i.e. WISKI | **Y** | **Y** | **Y** |
| Description | Description of process i.e. test | **Y** | **Y** | **Y** |
| Creator | First of person who setup the format of the xml schema. Response is always ‘ Chris’. | **N** | **N** | **N** |
| Date | Date file created | **Y** | **Y** | **Y** |
| Time | Time file created | **Y** | **Y** | **Y** |
| Identifier | Server name | **Y** | **Y** | **Y** |
| Station reference | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Region | Agency Region in which site is located | **Y** | **Y** | **Y** |
| NGR | British National Grid reference | **Y** | **Y** | **Y** |
| River Name | Name of river on which site is located | **Y** | **Y** | **Y** |
| Station name | Name of station from WISKI system | **Y** | **Y** | **Y** |
| Values/Parameters | i.e. flow | **Y** | **Y** | **Y** |
| Qualifier | More detailed meta data relating to the value/parameter above i.e. logged, or type of gauge | **Y** | **Y** | **Y** |
| Data type | Definition of data (equals maximum in this instance) | **Y** | **Y** | **Y** |
| Period | Time interval of measurement i.e. month | **Y** | **Y** | **Y** |
| Units | Measurement units i.e. m3/s | **Y** | **Y** | **Y** |
| Start Date | Date of first parameter in file | **Y** | **Y** | **Y** |
| Start Time | Time of first parameter in file | **Y** | **Y** | **Y** |
| End Date | Date of last parameter in file | **Y** | **Y** | **Y** |
| End Time | Time of last parameter in file (may be identified as ‘last collected result’ on the screen if transferred data is uploaded to the web-site automatically) | **Y** | **Y** | **Y** |

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### Monthly Maximum River Flows (AfA007)

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| --- |
| **Description**  Monthly Maximum River Flows is an extract from the WISKI host database of monthly peak river flow for each river gauging station in the network in England and Wales with at least 25 years of records and no gaps greater than 6 months in duration.  **Issues to Note**  Please contact Head Office Measurement Team to assess the request.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={A2B0633F-0A35-4D1B-8685-A68D2D38CA0A}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bA2B0633F-0A35-4D1B-8685-A68D2D38CA0A%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Station name, | Site Name – e.g. ASHFORD MILL | **Y** | **Y** | **Y** |
| Station number, | Identifies the Station Device e.g. "520110" | **Y** | **Y** | **Y** |
| External number, | External reference number that has been used to allow import of data e.g. Met Office reference | **Y** | **Y** | **Y** |
| River, | Name of River e.g. ISLE | **Y** | **Y** | **Y** |
| Operator, | External operators could be Met Office, Water Companies and soon, effluent discharges from small commercial companies | **Y** | **Y** | **Y** |
| NGR,ST | Easting,"3610" Northing,"1880" | **Y** | **Y** | **Y** |
| Parameter-name, | Flow | **Y** | **Y** | **Y** |
| Parameter Type | FQ Code (for No.7) | **Y** | **Y** | **Y** |
| Time series name, | 520110.FQ.MonthMax | **Y** | **Y** | **Y** |
| Time series unit, | e.g. m3/s | **Y** | **Y** | **Y** |
| Time level, | e.g. Monthly value | **Y** | **Y** | **Y** |
| Time series type, | e.g. Maximum | **Y** | **Y** | **Y** |
| Equidistant time series, | e.g. No | **Y** | **Y** | **Y** |
| Time series quality, | Production or Edited. If edited, comments on reasons etc. are put in No. 23 | **Y** | **Y** | **Y** |
| Time series measuring method, | Spot readings as opposed to normal | **Y** | **Y** | **Y** |
| Period of record in file: | e.g. 01/01/1982 00:00:00 to 02/01/2007 00:00:00 | **Y** | **Y** | **Y** |
| Quality code description, | G = good; E = estimated; S = suspect; U = unchecked; M = missing; C = complete; I =  Incomplete; Ed = edited; WR = within rating; NR = no rating; EX> = extrapolated upper part; EX< = extrapolated lower part; BL> = beyond upper limit; BL< = beyond lower limit; MH = weir modular (head); NH = weir non modular (head); EH = weir extremely non modular (head); MT = weir modular (tail); NT = weir non modular (tail); ET = weir extremely non modular (tail); MC = weir modular (crest); NC = weir non modular (crest); EC = weir extremely non modular (crest); -H = weir head only; RAS = rastered time stamp; A = apportioned/interpolated; D = dry; SN = snow; T = trace | **Y** | **Y** | **Y** |
| Date Time | e.g. 20/12/1981 09:00:00 | **Y** | **Y** | **Y** |
| FQ [m3/s] | e.g. 37.9, Flow Quantity in cub. Metres | **Y** | **Y** | **Y** |
| q [l/(s\*km2)] | e.g. 421 As above in litres | **Y** | **Y** | **Y** |
| Quality flag | e.g. C Code from no. 18 | **Y** | **Y** | **Y** |
| Comments | U User Comments e.g. why edited | **Y** | **Y** | **Y** |

### Operational Rainmaster – Complete (AfA102)

|  |
| --- |
| **Description**  The ‘Operational RainMaster – Environment Agency’ dataset is held within an MS Excel Spreadsheet and contains information on Met Office registered Environment Agency managed rain gauge monitoring sites (sites managed by other operators are not included within this dataset) that are currently operational. All sites that are included within this dataset provide time-series data that is collated and quality assured by the Met Office.  Data on rain gauge monitoring sites are collected from a number of sources such as the Environment Agency and Private individuals. This dataset only contains monitoring sites managed by, or on behalf of, the Environment Agency. The dataset is supplied to the Environment Agency by the Met Office once all data has been collated and quality assured. Sites contained within this network are also held in the Environment Agency’s WISKI system where time-series data can be extracted.  Spatial attributes are held as a 6 figure grid reference in addition to information on monitoring station type, frequency of data collection, the responsible authority and whether the station is part of a wider network.  **Issues to Note**  N/A  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={D3601F70-ECA2-4886-9356-11F691FD8C2A}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bD3601F70-ECA2-4886-9356-11F691FD8C2A%7d)  **Update frequency**  Quarterly  **Supply frequency**  Quarterly  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| ID | Unique identifier assigned to all rain gauge stations. | **N** | **N** | **N** |
| DCNN | All rain gauge stations that are included in the climate network (i.e. used to measure climatology) have a 4-figure DCNN (District County Number). | **N** | **N** | **N** |
| WMO | Synoptic stations selected as suitable for possible international exchange for real time observations at intervals between 1 and 3 hours are given a 5-figure World Metrological Organization [sic] (WMO) number. | **N** | **N** | **N** |
| COUNTRY | Country where the monitoring station is located. | **N** | **N** | **N** |
| EASTING | Six figure easting | **N** | **N** | **N** |
| NORTHING | Six figure northing | **N** | **N** | **N** |
| NGR | OS National Grid Reference. | **N** | **N** | **N** |
| HEIGHT | Height in metres Above Ordnance Datum [metres above sea level]). | **N** | **N** | **N** |
| FIRST\_OPENED | Year the monitoring station was first digitised. | **N** | **N** | **N** |
| DIGITISED | Year the data was available in digital form. | **N** | **N** | **N** |
| DOMAIN\_NAME | The domain the station is part of i.e. a network of stations that are administered under the same protocol. | **N** | **N** | **N** |
| FREQ | Frequency of update e.g. monthly, daily etc. | **N** | **N** | **N** |
| MET\_ROLE | Role the Met Office has in publishing the data e.g. Quality Assurance (‘CHECK’). | **N** | **N** | **N** |
| GAUGE\_TYPE | Type of rain gauge - either:   * Tipping Bucket Rain-gauge (TBR); or * Storage gauge (MAN [Manual]). | **N** | **N** | **N** |
| LAST\_DATA | Date of last data transfer before inclusion within the dataset. | **N** | **N** | **N** |
| STATION\_NAME | Name of rain gauge e.g. school or farm name where the rain gauge is located. | **N** | **N** | **N** |
| AUTHORITY | Name of operating authority. [Operating authority must equal “Environment Agency”] | **N** | **N** | **N** |
| INVENTORY | The inventory a rain gauge station is part of. | **N** | **N** | **N** |
| OBSERVING\_TYPE | Name of automated system that reads the rain gauge and transmits the data. | **N** | **N** | **N** |
| INSPECTOR | Name of inspector – a full name is given. | **N** | **N** | **N** |
| LAST\_INSPECTION | Date of the most recent inspection. | **N** | **N** | **N** |
| NEXT\_INSPECTION | Due date for the next inspection. | **N** | **N** | **N** |
| REGION | Region the rain gauge station is located in e.g. County or name of British Crown Dependency. | **N** | **N** | **N** |
| HIGH\_PRCN\_LAT | Latitude of rain gauge station. | **N** | **N** | **N** |
| HIGH\_PRCN\_LON | Longitude of rain gauge station. | **N** | **N** | **N** |

### Quality Controlled Daily and Monthly Raingauge Data from Environment Agency Gauges (AfA148)

|  |
| --- |
| **Description**  The Environment Agency’s storage raingauge network (**currentl**y approximately 2,400) measures rainfall at a daily or a monthly time step. This excludes all rain gauges that do not comply with the relevant British Standards. Measurements of the amount of precipitation (mm) are captured in storage rain gauges which are mainly read by volunteers. At the end of each month the data is returned to the Environment Agency where it is manually entered into the WISKI archive. Data from these gauges is then sent to the Met Office (MO) for quality control along with daily totals from the Environment Agency’s Tipping Bucket Raingauges (TBRs). The Met Office append the data from the Environment Agency with daily/monthly data from a smaller number of their own storage and TBRs. They then undertake the Quality Control checks and provide the checked dataset back to the Environment Agency, typically 4 months after collection, for historic storage on WISKI.  The dataset covered here comprises only checked historic time daily and monthly series data from the EA storage and TBR rain gauges (85% of the total).  **Issues to Note**  (Awaiting Custodian advice)  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={6F7DB6D3-BCDA-419C-B003-71DD79C5B133}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b6F7DB6D3-BCDA-419C-B003-71DD79C5B133%7d)  **Update frequency**  Monthly  **Supply frequency**  Quarterly.  **Third Party Prior Rights**  No  **Data Contact / Supply**  Area Hydrometry &Telemetry or National Operations Teams  **Format Supplied**  TBC  **Special Conditions**  None  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Date | Date file created (date of data extraction) | **Y** | **Y** | **Y** |
| Time | Time file created (time of data extraction) | **Y** | **Y** | **Y** |
| Flags/comments | Comment or flag code (e.g. code for QC) | **Y** | **Y** | **Y** |
| Station reference | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Region | Agency Region in which site is located | **Y** | **Y** | **Y** |
| NGR | British National Grid reference | **Y** | **Y** | **Y** |
| Catchment | Name of river catchment in which site is located | **Y** | **Y** | **Y** |
| Station name | Name of station from WISKI system | **Y** | **Y** | **Y** |
| Values/Parameters | i.e. storage rainfall | **Y** | **Y** | **Y** |
| Qualifier | More detailed meta data relating to the value/parameter above i.e. logged, or type of gauge | **Y** | **Y** | **Y** |
| Data type | Definition of data i.e. storage | **Y** | **Y** | **Y** |
| Period | Time interval of measurement i.e. every day | **Y** | **Y** | **Y** |
| Units | Measurement units i.e. mm | **Y** | **Y** | **Y** |
| Start Date | Date of first parameter in file | **Y** | **Y** | **Y** |
| Start Time | Time of first parameter in file | **Y** | **Y** | **Y** |
| End Date | Date of last parameter in file | **Y** | **Y** | **Y** |
| End Time | Time of last parameter in file (may be identified as ‘last collected result’ on the screen if transferred data is uploaded to the web-site automatically) | **Y** | **Y** | **Y** |

### Rainmaster – Environment Agency (AfA101)

|  |
| --- |
| **Description**  The ‘Operational RainMaster – Environment Agency’ dataset is held within an MS Excel Spreadsheet and contains information on Met Office registered Environment Agency managed rain gauge monitoring sites (sites managed by other operators are not included within this dataset) that are currently operational. All sites that are included within this dataset provide time-series data that is collated and quality assured by the Met Office.  Data on rain gauge monitoring sites are collected from a number of sources such as the Environment Agency and Private individuals. This dataset only contains monitoring sites managed by, or on behalf of, the Environment Agency. The dataset is supplied to the Environment Agency by the Met Office once all data has been collated and quality assured. Sites contained within this network are also held in the Environment Agency’s WISKI system where time-series data can be extracted.  Spatial attributes are held as a 6 figure grid reference in addition to information on monitoring station type, frequency of data collection, the responsible authority and whether the station is part of a wider network.  **Issues to Note**  This is dataset is retired. This has been superseded by AfA102.  **AfA Category**  AfA (Publication Scheme & IfRR  **Update frequency**  Quarterly  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| ID | Unique identifier assigned to all rain gauge stations. | **A** | **A** | **A** |
| DCNN | All rain gauge stations that are included in the climate network (i.e. used to measure climatology) have a 4-figure DCNN (District County Number). | **A** | **A** | **A** |
| WMO | Synoptic stations selected as suitable for possible international exchange for real time observations at intervals between 1 and 3 hours are given a 5-figure World Metrological Organization [sic] (WMO) number. | **A** | **A** | **A** |
| COUNTRY | Country where the monitoring station is located. | **A** | **A** | **A** |
| EASTING | Six figure easting | **A** | **A** | **A** |
| NORTHING | Six figure northing | **A** | **A** | **A** |
| NGR | OS National Grid Reference. | **A** | **A** | **A** |
| HEIGHT | Height in metres Above Ordnance Datum [metres above sea level]). | **A** | **A** | **A** |
| FIRST\_OPENED | Year the monitoring station was first digitised. | **A** | **A** | **A** |
| DIGITISED | Year the data was available in digital form. | **A** | **A** | **A** |
| DOMAIN\_NAME | The domain the station is part of i.e. a network of stations that are administered under the same protocol. | **A** | **A** | **A** |
| FREQ | Frequency of update e.g. monthly, daily etc. | **A** | **A** | **A** |
| MET\_ROLE | Role the Met Office has in publishing the data e.g. Quality Assurance (‘CHECK’). | **A** | **A** | **A** |
| GAUGE\_TYPE | Type of rain gauge - either:   * Tipping Bucket Rain-gauge (TBR); or * Storage gauge (MAN [Manual]). | **A** | **A** | **A** |
| LAST\_DATA | Date of last data transfer before inclusion within the dataset. | **A** | **A** | **A** |
| STATION\_NAME | Name of rain gauge e.g. school or farm name where the rain gauge is located. | **A** | **A** | **A** |
| AUTHORITY | Name of operating authority. [Operating authority must equal “Environment Agency”] | **A** | **A** | **A** |
| INVENTORY | The inventory a rain gauge station is part of. | **A** | **A** | **A** |
| OBSERVING\_TYPE | Name of automated system that reads the rain gauge and transmits the data. | **A** | **A** | **A** |
| INSPECTOR | Name of inspector – a full name is given. | **N** | **N** | **N** |
| LAST\_INSPECTION | Date of the most recent inspection. | **A** | **A** | **A** |
| NEXT\_INSPECTION | Due date for the next inspection. | **A** | **A** | **A** |
| REGION | Region the rain gauge station is located in e.g. County or name of British Crown Dependency. | **A** | **A** | **A** |
| HIGH\_PRCN\_LAT | Latitude of rain gauge station. | **A** | **A** | **A** |
| HIGH\_PRCN\_LON | Longitude of rain gauge station. | **A** | **A** | **A** |

### Real-time and Near-real-time Raingauge Data (AfA236)

|  |
| --- |
| **Description**  The Environment Agency has approximately 1000 real time rain gauges which are connected by telemetry. Measurements of the amount of precipitation (mm) are captured in Tipping Bucket Raingauges (TBR). Each gauge provides event rainfall data (time of tip) every hour if rainfall has been recorded in that hour. Event data is only reported hourly when rainfall events (at least a single 0.2mm tip) are detected. Information is made available externally via an up to 15 min update  The format of the data and the frequency at which the data is updated varies depending on which download route is being used by the customer. A high frequency subset of approximately 160 real time gauges is also available (AfA147 High Frequency Real-time and Near-real-time Raingauge Data).  Continuous rainfall information from these gauges as well as those TBRs that are not on telemetry (c.400) is stored on WISKI and can be provided in non-real time. This is provided to the Met Office for quality control along with all the data from our registered daily storage gauges. It is therefore not covered by this AfA. The quality controlled dataset is covered in AFA148 Quality Controlled Daily and Monthly Raingauge Data from Environment Agency Gauges.  **Issues to Note**  Raw and validated TBR data on the Wiski archive has not been Assessed (18 Sept 2014). An individual assessment should be made for any requests of this data.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={6E91A7BC-E79B-4510-8633-916DB89FC9DA}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b6E91A7BC-E79B-4510-8633-916DB89FC9DA%7d)  **Update frequency**  Continuous’/1-2 times per daily  **Supply frequency**  Customers can scan the Flood Warning For Infrastructure hub for the data every 15 mins  **Third Party Prior Rights**  No  **Data Contact / Supply**  Area Hydrometry &Telemetry or National Operations Teams via the Regional Telemetry Systems  **Format Supplied**  EA Timeseries XML v1.1  **Special Conditions**  None  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Date | Date file created | **Y** | **Y** | **Y** |
| Time | Time file created | **Y** | **Y** | **Y** |
| Flags/comments | Comment or flag code (e.g. code for QC) | **Y** | **Y** | **Y** |
| Identifier | e.g.NWRFHSCXAS1 | **Y** | **Y** | **Y** |
| Station reference | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Region | Agency Region in which site is located | **Y** | **Y** | **Y** |
| Station name | Name of station from WISKI system | **Y** | **Y** | **Y** |
| NGR | British National Grid reference | **Y** | **Y** | **Y** |
| Catchment | Name of river catchment in which site is located | **Y** | **Y** | **Y** |
| Values/Parameters | i.e. storage rainfall | **Y** | **Y** | **Y** |
| Qualifier | More detailed meta data relating to the value/parameter above i.e. tipping bucket rain gauge | **Y** | **Y** | **Y** |
| Data type | Definition of data i.e. event | **Y** | **Y** | **Y** |
| Period | Time interval of measurement i.e. every day | **Y** | **Y** | **Y** |
| Units | Measurement units i.e. mm | **Y** | **Y** | **Y** |
| Start Date | Date of first parameter in file | **Y** | **Y** | **Y** |
| Start Time | Time of first parameter in file | **Y** | **Y** | **Y** |
| End Date | Date of last parameter in file | **Y** | **Y** | **Y** |
| End Time | Time of last parameter in file (may be identified as ‘last collected result’ on the screen if transferred data is uploaded to the web-site automatically) | **Y** | **Y** | **Y** |

### Realtime Flood Data River Levels (AfA104)

### Realtime Flood Data River Flows (AfA305)

### Realtime Flood Data Air Temperature (AfA422)

### Realtime Flood Data Groundwater Levels (AfA421)

**Description**

This dataset covers monitoring data that is only updated on our systems on a daily update cycle. This is usually increased during times of flooding etc.

Readings are transferred via telemetry to internal and external systems in, or close to real time. This data may be transferred to these systems or users at different intervals varying, for example, from once per day during normal conditions to several times per day during a flood event.

Data for sites in Wales is included in the Open Data feed, but is owned by Natural Resources Wales (NRW). NRW also class the data as Open Data, and you may use it under the same terms as the England data (the standard Open Government Licence, available on The National Archives website).

This data is retrieved automatically and is unvalidated.

**AfA104 Realtime Flood Data River Levels**

Measurements of the height (m) of water in a river, lake or coastal site taken using automatic field devices, usually every 15 mins,

Information is available for 1400 river gauging stations (where flow is also measured) and 1800 river level only monitoring sites throughout England, as well as some reservoirs and coastal sites.

**AfA305 Realtime Flood Data River Flow**

Estimates of flow (typically how many cubic metres per second)

Information is available for river gauging stations throughout England.

Technical information used for flow calculation at flow gauging stations is also provided. For example, crest tappings at a weir.

**AfA421 Realtime Flood Data Groundwater Levels**

Measurements of water level at monitoring boreholes throughout England. Full grid references are not available, and are shortened to the format AA9999.

Information is available for about 370 boreholes throughout England.

**AfA422 Realtime Flood Data Air Temperature**

At present there are only sites in the English Midlands.

Measurements of air temperature at Environment Agency raingauge sites in England, usually taken every hour but sometimes every 15 minutes.

**Issues to Note**

The second set of attributes are not part of the OpenData feed, but are approved and are available through the FWFI hub.

The data approved for the FWFI hub, is currently only available through our Flood Warnings for Infrastructure (FWFI) Hub. This has a service charge to cover the cost of the infrastructure needed to deliver the data.

**AfA Category**

AfA (Publication Scheme & IfRR)

EA OpenData

**Metadata link**

AfA104 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B3B7DBE0D-CE8D-4C9D-90B3-002690F50ABF%7D>

AfA305 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BCE869728-D8C3-4D64-9AEB-A0E4FD45159A%7D>

AfA421 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B12F12C4C-180C-4F40-A8D7-9F2B31419723%7D>

AfA422 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B13823F7A-264F-42DD-8261-7292F7E7373C%7D>

**Update frequency**

Daily

**Supply frequency**

Live

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

Tab Separated Values

XML

**Special Conditions**

N/A

**Information Warning**

This data should not be stored for more than 1 calendar year. The Agency cannot guarantee the accuracy or timeliness of the data. It should not be used in applications that require quality controlled data.

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| **Open Data feed** | | | | |
| Time | Time and date of reading | **Y** | **Y** | **Y** |
| Station reference | Reference number of site on telemetry (may not match the same station on our long-term archive) | **Y** | **Y** | **Y** |
| Region | The telemetry system from which the data came. Does not correspond directly to the historical Environment Agency Regions | **Y** | **Y** | **Y** |
| NGR | National Grid Reference of site | **Y** | **Y** | **Y** |
| Station name |  | **Y** | **Y** | **Y** |
| Parameter | General type of reading e.g. Water Level, Temperature, Flow | **Y** | **Y** | **Y** |
| Qualifier | More specific type of measurement e.g.  Dry Bulb, Stage, Groundwater, Reservoir Level | **Y** | **Y** | **Y** |
| Units | Units description e.g. Deg C, m, m3/s | **Y** | **Y** | **Y** |
| Value | The reading itself | **Y** | **Y** | **Y** |
| **The following are releasable but only currently available through the FWFI Hub** | | | | |
| EA Time Series Data Exchange Format xmlns | Format used to transfer data | **Y** | **Y** | **Y** |
| Xmlns:md | Location of definitions used in XML transfer file | **Y** | **Y** | **Y** |
| xmlns:xsi | Version of schema used to transfer data | **Y** | **Y** | **Y** |
| Xsi:schema location | Location of version of schema used to transfer data | **Y** | **Y** | **Y** |
| Publisher | Who is transferring the data, normally the Environment Agency | **Y** | **Y** | **Y** |
| Source | System from which the data originates i.e. North East Telemetry System | **Y** | **Y** | **Y** |
| Description | Description of process i.e. automated telemetry data export | **Y** | **Y** | **Y** |
| Creator | Telemetry system and software | **Y** | **Y** | **Y** |
| Date | Date file created | **Y** | **Y** | **Y** |
| Time | Time file created | **Y** | **Y** | **Y** |
| Identifier | Server name | **Y** | **Y** | **Y** |
| Station reference | Reference based on combination of letters and numbers [unique identifier] | **Y** | **Y** | **Y** |
| Region | Environment Agency Region in which site is located | **Y** | **Y** | **Y** |
| NGR | British National Grid reference | **Y** | **Y** | **Y** |
| River Name | Name of river on which site is located | **Y** | **Y** | **Y** |
| Station name | Name of station from Telemetry system | **Y** | **Y** | **Y** |
| Values/Parameters | Flow (in this feed) | **Y** | **Y** | **Y** |
| Qualifier | More detailed metadata relating to the value/parameter above i.e. logged, or type of gauge | **Y** | **Y** | **Y** |
| Data type | Definition of data i.e. instantaneous | **Y** | **Y** | **Y** |
| Period | Time interval of measurement i.e. every 15 mins | **Y** | **Y** | **Y** |
| Units | Measurement units i.e. meters | **Y** | **Y** | **Y** |
| Start Date | Date of first parameter in file | **Y** | **Y** | **Y** |
| Start Time | Time of first parameter in file | **Y** | **Y** | **Y** |
| End Date | Date of last parameter in file | **Y** | **Y** | **Y** |
| End Time | Time of last parameter in file | **Y** | **Y** | **Y** |

### 

# LAND AND WATER QUALITY

### Consented Discharges to Controlled Waters (AfA014)

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| --- |
| **Description**  These data provide details of permit details as required under the Environmental Permit Regulations. Information is held for all permit holders and covers all substances that are controlled. These data are taken from the Environment Agency’s Public Register and contain only the first of three tiers of data for all active permits.    Tier 1 – Site and General  Information on the consent holder that has a  consent  to discharge into controlled waters.  Consent holder and the discharge address and type. The date of permit issue, effective and revocation.  Information where the effluent enters the environment (such as sewage disposal works) for each holder that has been granted a permit. Data is also held on the effluent type e.g. Sewage effluent, Overflow.  The location of the grid reference is supplied for the effluent and the outlet location in OS Nation Grid Reference format.  More detailed information is available under AfA184, Consented Discharges to Controlled Waters with Conditions, which includes:  Tier 2 – Effluent  Further detail is provided on the amount that can be discharged and  in which time period in months. This is stored as Dry Weather Flow, Maximum Daily, Mean, Maximum Rate. Further data about the permit type and treatment type from lookup lists are provided.  Tier 3 – Determinand  Limits  Determinands are the substances and numerical limits that make up the effluent. This could include chemical, biological, and physical limits. Textual conditions are not included. The permitted limits are included for each determinand type. Data is provided for each effluent and may contain  one or more determinands depending on the complexity of the discharge.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B97081AFA-6020-470B-B8F3-0B3D7C8EFC4E%7D>  **Update frequency**  TBC  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Site and General | | | |  |
| COMPANY\_NAME | Consent holders name | **Y** | **Y** | **Y** |
| DISCHARGE\_SITE\_NAME | Discharge site name | **Y** | **Y** | **Y** |
| DISCHARGE\_SITE\_TYPE\_CODE | Discharge site type code | **Y** | **Y** | **Y** |
| DSI\_TYPE\_DESCRIPTION | Discharge site type description | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_1 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_2 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_3 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_4 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_PCODE | Address data | **Y** | **Y** | **Y** |
| DISCHARGE\_NGR | Location of the discharge site | **Y** | **Y** | **Y** |
| DISTRICT\_COUNCIL | District council | **Y** | **Y** | **Y** |
| CATC\_NAME | Catchment name | **Y** | **Y** | **Y** |
| CATCHMENT\_CODE | Catchement code | **Y** | **Y** | **Y** |
| EA\_REGION | Environment agency region code | **Y** | **Y** | **Y** |
| REGION | Environment agency region name | **Y** | **Y** | **Y** |
| PERMIT\_REF | Consent number | **Y** | **Y** | **Y** |
| VERSION | Consent version | **Y** | **Y** | **Y** |
| RECEIVING\_WATER | Name of the receiving environment | **Y** | **Y** | **Y** |
| RECEIVING\_ENVIRON\_TYPE\_CODE | receiving environment type code | **Y** | **Y** | **Y** |
| REC\_ENV\_CODE\_DESCRIPTION | receiving environment type description | **Y** | **Y** | **Y** |
| ISSUED\_DATE | Date the permit was issued | **Y** | **Y** | **Y** |
| EFFECTIVE\_DATE | Date the permit became effective | **Y** | **Y** | **Y** |
| REVOCATION\_DATE | Date the permit will be revoked | **Y** | **Y** | **Y** |
| STATUS\_OF\_PERMIT | Code for relevant section/schedule of act of Parliament | **Y** | **Y** | **Y** |
| STATUS\_DESCRIPTION | Text describing relevant section/schedule of act of Parliament | **Y** | **Y** | **Y** |
| OUTLET\_NUMBER | ID for the outlet | **Y** | **Y** | **Y** |
| OUTLET\_TYPE\_CODE | Code for outlet type | **Y** | **Y** | **Y** |
| OUTLET\_TYPE\_DESCRIPTION | Description of type of outlet | **Y** | **Y** | **Y** |
| OUTLET\_GRID\_REF | Outlet grid reference | **Y** | **Y** | **Y** |
| EFFLUENT\_NUMBER | ID for the effluent | **Y** | **Y** | **Y** |
| EFFLUENT\_TYPE | Code for effluent type | **Y** | **Y** | **Y** |
| EFFLUENT\_GRID\_REF | Effluent Grid ref | **Y** | **Y** | **Y** |

### Consented Discharges to Controlled Waters with Conditions (AfA184)

|  |
| --- |
| **Description**  These data provide details of all permit details as required under the Environmental Permit Regulation. Information is held for all permit holders and covers all substances that are controlled. These data are a taken from the Environment Agency’s Public Register and contains three tiers of data for all active permits.    Tier 1 – Site and General  Information on the  consent holder  that has a  consent  to discharge into controlled waters.  Consent holder and the discharge address and type. The date of permit issue, effective and revocation.  Information where the effluent enters the environment (such as sewage disposal works) for each  holder that has been granted a permit. Data is also held on the effluent type e.g. Sewage effluent, Overflow.  The location of the grid reference is supplied for the effluent and the outlet location in OS Nation Grid Reference format.  Tier 2 – Effluent  Further detail is provided on the amount that can be discharged and in which time period in months. This is stored as Dry Weather Flow, Maximum Daily, Mean, Maximum Rate. Further data about the permit type and treatment type from lookup lists are provided.    Tier 3 – Determinand  Limits  Determinands are  the substances and numerical limits that make up the effluent. This could include chemical, biological, and physical limits.  Textual conditions are not included. The permitted limits are included for each determinand type. Data is provided for each effluent and may contain one or more  determinands depending on the complexity of the discharge.  **Issues to Note**  None.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={12E6C530-FCDC-4164-B7B7-C76E92051355}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b12E6C530-FCDC-4164-B7B7-C76E92051355%7d)  **Update frequency**  N/A  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Site and General** | | | |  |
| COMPANY\_NAME | Consent holders name | **Y** | **Y** | **Y** |
| DISCHARGE\_SITE\_NAME | Discharge site name | **Y** | **Y** | **Y** |
| DISCHARGE\_SITE\_TYPE\_CODE | Discharge site type code | **Y** | **Y** | **Y** |
| DSI\_TYPE\_DESCRIPTION | Discharge site type description | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_1 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_2 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_3 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_4 | Address data | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_PCODE | Address data | **Y** | **Y** | **Y** |
| DISCHARGE\_NGR | Location of the discharge site | **Y** | **Y** | **Y** |
| DISTRICT\_COUNCIL | District council | **Y** | **Y** | **Y** |
| CATC\_NAME | Catchment name | **Y** | **Y** | **Y** |
| CATCHMENT\_CODE | Catchement code | **Y** | **Y** | **Y** |
| EA\_REGION | Environment agency region code | **Y** | **Y** | **Y** |
| REGION | Environment agency region name | **Y** | **Y** | **Y** |
| PERMIT\_REF | Consent number | **Y** | **Y** | **Y** |
| VERSION | Consent version | **Y** | **Y** | **Y** |
| RECEIVING\_WATER | Name of the receiving environment | **Y** | **Y** | **Y** |
| RECEIVING\_ENVIRON\_TYPE\_CODE | receiving environment type code | **Y** | **Y** | **Y** |
| REC\_ENV\_CODE\_DESCRIPTION | receiving environment type description | **Y** | **Y** | **Y** |
| ISSUED\_DATE | Date the permit was issued | **Y** | **Y** | **Y** |
| EFFECTIVE\_DATE | Date the permit became effective | **Y** | **Y** | **Y** |
| REVOCATION\_DATE | Date the permit will be revoked | **Y** | **Y** | **Y** |
| STATUS\_OF\_PERMIT | Code for relevant section/schedule of act of Parliament | **Y** | **Y** | **Y** |
| STATUS\_DESCRIPTION | Text describing relevant section/schedule of act of Parliament | **Y** | **Y** | **Y** |
| OUTLET\_NUMBER | ID for the outlet | **Y** | **Y** | **Y** |
| OUTLET\_TYPE\_CODE | Code for outlet type | **Y** | **Y** | **Y** |
| OUTLET\_TYPE\_DESCRIPTION | Description of type of outlet | **Y** | **Y** | **Y** |
| OUTLET\_GRID\_REF | Outlet grid reference | **Y** | **Y** | **Y** |
| EFFLUENT\_NUMBER | ID for the effluent | **Y** | **Y** | **Y** |
| EFFLUENT\_TYPE | Code for effluent type | **Y** | **Y** | **Y** |
| EFFLUENT\_GRID\_REF | Effluent Grid ref | **Y** | **Y** | **Y** |
| ~~PERMIT\_TYPE~~ | ~~Consent type code~~ | **~~Y~~** | **~~Y~~** | **~~Y~~** |
| ~~PERMIT\_TYPE\_DESC~~ | ~~Consent type description~~ | **~~Y~~** | **~~Y~~** | **~~Y~~** |
| Effluents | | | | |
| SPT\_DESC | Sample point type | **Y** | **Y** | **Y** |
| EFF\_SAMPLE\_POINT | Effluent sample point | **Y** | **Y** | **Y** |
| eff\_tmen\_code | Consented treatment code | **Y** | **Y** | **Y** |
| tmen\_desc | Consented treatment description | **Y** | **Y** | **Y** |
| Month\_from | Seasonal limit start | **Y** | **Y** | **Y** |
| Month\_to | Seasonal limit end | **Y** | **Y** | **Y** |
| DWF | Dry weather flow limit | **Y** | **Y** | **Y** |
| MAX\_DAILY | Max flow daily limit | **Y** | **Y** | **Y** |
| MEAN | Mean flow rate | **Y** | **Y** | **Y** |
| MAX\_RATE | Max flow rate | **Y** | **Y** | **Y** |
| Determinands | | | | |
| CODE\_1 | Determinand limit code 1 | **Y** | **Y** | **Y** |
| VAL\_1 | Limit value 1 | **Y** | **Y** | **Y** |
| CODE\_2 | Determinand limit code 2 | **Y** | **Y** | **Y** |
| VAL\_2 | Limit value 2 | **Y** | **Y** | **Y** |
| CODE\_3 | Determinand limit code 3 | **Y** | **Y** | **Y** |
| VAL\_3 | Limit value 3 | **Y** | **Y** | **Y** |
| DETE\_CODE | Determinand code | **Y** | **Y** | **Y** |
| UNITS | Determinand Unit | **Y** | **Y** | **Y** |
| DETE | Determinand description | **Y** | **Y** | **Y** |

### 

### CSF Priority Catchments phase 3 (AfA261)

**Description:**

The Catchment Sensitive Farming (CSF) project is a Defra sponsored joint EA/NE project. The Catchment Sensitive Farming project aims to reduce diffuse water pollution from agriculture through voluntary action. CSF is funded by Defra and the Rural Development Programme for England.

This dataset indicates river catchments areas identified as priorities for the Catchment Sensitive Farming (CSF) project. The catchments are split into ‘Priority’ and ‘Partnership’ catchments. This dataset comprises the CSF Priority Catchments. The Partnership catchments are covered under AfA 262 CSF Partnership Catchments phase 3.

These catchments have been produced jointly with Natural England, and this layer is owned solely by the Environment Agency.

**Issues to Note**

N/A

**AfA Category**

AfA (Information Requests Only)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={EC7EFFB9-3307-4908-86C5-58FEB31FDAA9}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bEC7EFFB9-3307-4908-86C5-58FEB31FDAA9%7d)

**Update frequency**

Irregular

**Supply frequency**

One-off

**Third Party Prior Rights**

**Data Contact / Supply**

**Format Supplied**

ESRI Shapefile

**Special Conditions**

None

**Information Warning**

None

**Guidance**

| **Attribute Name** | | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| GEOMETRY | | Geo-referenced polygon | **Y** | **N** | **N** |
| CATCH\_NO | | Unique identifier of the catchments, as described in <http://www.naturalengland.org.uk/ourwork/farming/csf/cgs/catchments.aspx> | **Y** | **N** | **N** |
| SQKM | | Polygon Area (square kilometres) | **Y** | **N** | **N** |
| CATCHMENT | Catchment Name | | **Y** | **N** | **N** |
| TYPE | | Numerical field referring to PC\_DATE | **Y** | **N** | **N** |
| PC\_DATE | | Descriptive field providing date (CSF phase) of catchment | **Y** | **N** | **N** |

### CSF Partnership Catchments phase 3 (AfA262)

**Description:**

The Catchment Sensitive Farming (CSF) project is a Defra sponsored joint EA/NE project. The Catchment Sensitive Farming project aims to reduce diffuse water pollution from agriculture through voluntary action. CSF is funded by Defra and the Rural Development Programme for England.

This dataset indicates river catchments areas identified as priorities for the Catchment Sensitive Farming (CSF) project. The catchments are split into ‘Priority’ and ‘Partnership’ catchments. This dataset comprises the CSF Partnership Catchments. The Priority catchments are covered under AfA 261 CSF Priority Catchments phase 3.

These catchments have been produced jointly with Natural England, and this layer is owned solely by the Environment Agency.

**Issues to Note**

N/A

**AfA Category**

AfA (Information Requests Only)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={98896004-AA51-47C5-A33E-5C7BADF78CDB}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b98896004-AA51-47C5-A33E-5C7BADF78CDB%7d)

**Update frequency**

Irregular

**Supply frequency**

One-off

**Third Party Prior Rights**

**Data Contact / Supply**

**Format Supplied**

ESRI Shapefile

**Special Conditions**

None

**Information Warning**

None

**Guidance**

| **Attribute Name** | | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| GEOMETRY | | Geo-referenced polygon | **Y** | **N** | **N** |
| CATCH\_NO | | Unique identifier of the catchments, as described in <http://www.naturalengland.org.uk/ourwork/farming/csf/cgs/catchments.aspx> | **Y** | **N** | **N** |
| SQKM | | Polygon Area (square kilometres) | **Y** | **N** | **N** |
| CATCHMENT | Catchment Name | | **Y** | **N** | **N** |
| TYPE | | Numerical field referring to PC\_DATE | **Y** | **N** | **N** |
| PC\_DATE | | Descriptive field providing date (CSF phase) of catchment | **Y** | **N** | **N** |

### Discharges of Consented Red List Substances (AfA028)

|  |
| --- |
| **Description**  The UK has a list (known as the Red List) of 23 of the most dangerous substances which were selected for priority control under the Integrated Pollution Control legislation (subsequently superseded by the Pollution Prevention and Control and then Environmental Permitting Regulations). This list of substances includes EC List I substances defined under the Dangerous Substances Directive, as well as certain substances listed on EC List 2. There are statutory Environmental Quality Standards (EQSs) in place for their discharge into surface waters. Statutory EQSs for a further 25 substances came into force on 1 April 1998. These deal with substances produced by manufacturing industry, as well as a number of pesticides applied to crops.  Dangerous Substances are toxic, do not or are very slow to degrade in water, and are likely to accumulate in living organisms.  Discharges of Consented Priority Dangerous Substances to water contains:   * **REDLIST\_PERMIT\_HOLDERS\_FULL:** the consent details of companies with consents to discharge priority Dangerous Substances including the type of discharge and where it is discharged; * **TBL\_FINAL\_CONSENTED\_REDLIST\_DETS:** the list of priority Dangerous Substances and the limits consented to be discharged (it does not show the amount of substances actually discharged); and * **TBL\_AREAS:** information on the areas associated with consents.   **Issues to Note**  These data are extracted from the EA Public Register; other extracts shall need to be agreed with the Data Team before disclosure.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={80DB2489-4133-4A7E-BDCA-4F664681D455}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b80DB2489-4133-4A7E-BDCA-4F664681D455%7d&view=fullHtml)  **Update frequency**  Quarterly  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  Data & Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **REDLIST\_PERMIT\_HOLDERS\_FULL:** The consent details of companies with consents to discharge priority Dangerous Substances including the type of discharge and where it is discharged. | | | | |
| PERMIT\_NUMBER | Consent number [e.g. AEECS12401] | **Y** | **Y** | **Y** |
| PERMIT\_VERSION | Version [e.g. 1] | **Y** | **Y** | **Y** |
| COMPANY\_NAME | Company name [e.g. Anglian Water Services] | **Y** | **Y** | **Y** |
| DISCHARGE\_SITE\_NAME | Name of the site where the discharge is occurring [e.g. POPPY HILL STW] | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_1 | First line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_2 | Second line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_3 | Third line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_4 | Fourth line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_PCODE | Postcode of site address | **Y** | **Y** | **Y** |
| DISTRICT\_COUNCIL | ID of county within which council is located [e.g. TENDRING] | **Y** | **Y** | **Y** |
| EA\_REGION | Environment Agency region code [e.g. AN] | **Y** | **Y** | **Y** |
| SOURCE | Environment Agency region full description [e.g. EA Anglian Region] | **Y** | **Y** | **Y** |
| DATE\_APPROVED | Date consent was approved [Date format ] | **Y** | **Y** | **Y** |
| TYPE\_OF\_PERMIT | Code for consent type [e.g. WQ] | **Y** | **Y** | **Y** |
| STATUS\_OF\_PERMIT | Code for relevant section/schedule of act of Parliament [e.g. E4] | **Y** | **Y** | **Y** |
| STATUS\_DESCRIPTION | Text describing relevant section/schedule of act of Parliament [e.g. NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995)] | **Y** | **Y** | **Y** |
| DSI\_TYPE\_DESCRIPTION | ID of type of site [e.g. Sewage Disposal Works – water company] | **Y** | **Y** | **Y** |
| OUTLET\_NUMBER | Reference number for outlet [e.g. ‘1’ or ‘2’] | **Y** | **Y** | **Y** |
| OUTLET\_GRID\_REF | Grid reference of outlet [e.g. TM2200017090] | **Y** | **Y** | **Y** |
| EFFLUENT\_NUMBER | Effluent reference number [e.g. 1] | **Y** | **Y** | **Y** |
| EFF\_TYPE\_DESCRIPTION | Description of type of effluent [e.g. SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY] | **Y** | **Y** | **Y** |
| CATC\_NAME | Name of sub-catchment [e.g. HULL AND TRIBS] | **Y** | **Y** | **Y** |
| TBL\_FINAL\_CONSENTED\_REDLIST\_DETS: The list of priority Dangerous Substances and the limits consented to be discharged (it does not show the amount of substances actually discharged). | | **Y** | **Y** | **Y** |
| COMPANY\_NAME | Company name [e.g. Anglian Water Services] | **Y** | **Y** | **Y** |
| PERMIT\_NUMBER | Consent number [e.g. P05268] | **Y** | **Y** | **Y** |
| PERMIT\_VERSION | Version number of consent [e.g. 1] | **Y** | **Y** | **Y** |
| OUTLET\_NUMBER | Reference number for outlet [e.g. 5] | **Y** | **Y** | **Y** |
| EFFLUENT\_NUMBER | Effluent reference number [e.g. 1] | **Y** | **Y** | **Y** |
| DISCHARGE\_SITE\_NAME | Name of the site where the discharge is occurring [e.g. HOO ISLAND] | **Y** | **Y** | **Y** |
| DISCHARGE\_SITE\_NAME | First line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_1 | Second line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_2 | Third line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_3 | Fourth line of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_LINE\_4 | Postcode of site address | **Y** | **Y** | **Y** |
| ADD\_OF\_DISCHARGE\_SITE\_PCODE | First line of site address | **Y** | **Y** | **Y** |
| EA\_REGION | Environment Agency region code [e.g. SO] | **Y** | **Y** | **Y** |
| SOURCE | Environment Agency region full description [e.g. EA Southern Region] | **Y** | **Y** | **Y** |
| EFFLUENT\_GRID\_REF | Grid reference of effluent sampling point [e.g. TQ7935070270] | **Y** | **Y** | **Y** |
| OUTLET\_GRID\_REF | Grid reference of outlet [e.g. TQ7935070270] | **Y** | **Y** | **Y** |
| DETERMINAND | Agency code to identify determinand [e.g. 0106] | **Y** | **Y** | **Y** |
| DETE\_DESC | Full description of determinand [e.g. CADMIUM DISSOLVED - AS CD] | **Y** | **Y** | **Y** |
| UNIT\_DESCRIPTION | Full description of units used [e.g. MICROGRAM PER LITRE] | **Y** | **Y** | **Y** |
| UNIT\_SHORT\_DESCRIPTION | Unit abbreviation [e.g. ug/l] | **Y** | **Y** | **Y** |
| MAXIMUM | Maximum consented concentration [e.g. 15] | **Y** | **Y** | **Y** |
| MINIMUM | Minimum consented concentration [BLANK – as not appropriate to Discharges of Consented Red List Substances] | **N** | **N** | **N** |
| NINETY\_FIVE\_PERCENTILE | Ninety fifth percentile allowed quantity of substance measured [BLANK – as above] | **Y** | **Y** | **Y** |
| TBL\_AREA: Information on the areas associated with consents | | **Y** | **Y** | **Y** |
| PERMIT\_NUMBER | Consent number [e.g. AEECS12401] | **Y** | **Y** | **Y** |
| DSI\_AREA | ID of area [e.g. K] | **Y** | **Y** | **Y** |
| AREA\_DESC | Environment Agency area full description [e.g. ANGLIAN - CENTRAL] | **Y** | **Y** | **Y** |

### Environmental Pollution Incidents (AfA138)

|  |
| --- |
| **Description**  This dataset comprises details of all category 1 and 2 pollution incidents reported to the Environment Agency that are held on the National Incident Reporting System. Incidents are included if they are category 1 or 2 to at least one medium (i.e. water, land or air).  Category 1 and 2 incidents are those which have potentially Major or Significant impacts.  Only substantiated incidents are included. Substantiated means that we have confirmed that the incident took place either by a visit from us or a partner organisation, or it is corroborated by other information.  Only closed incidents are included. Incidents are closed when our response has been fully completed, including incident response, any enforcement follow-up, and cost recharge.  Where these data indicate an incident occurred on a particular site or property no inference should be drawn that the site or property owner necessarily was responsible.  **Issues to Note**  AfAs for pollution incidents are currently under review.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B1B4CAB32-4082-48CD-9A17-F5C2537CEA3B%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  Available on DataShare  **Format Supplied**  Polygon shape file  **Special Conditions**  None  **Information Warning**  Where these data indicate an incident occurred on a particular site or property no inference should be drawn that the site or property owner necessarily was responsible.  **Guidance**  The list of approved attributes here, is part of a wider list that were considered. Category 3 incidents are expressly not included in this approval. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| Event identification number | - | **Y** | **Y** | **Y** |
| Date of notification | - | **Y** | **Y** | **Y** |
| Region | - | **Y** | **Y** | **Y** |
| Area | - | **Y** | **Y** | **Y** |
| Public area face | - | **Y** | **Y** | **Y** |
| County authority | - | **Y** | **Y** | **Y** |
| Unitary authority | - | **Y** | **Y** | **Y** |
| District authority | - | **Y** | **Y** | **Y** |
| National Grid Reference | - | **Y** | **Y** | **Y** |
| Easting | - | **Y** | **Y** | **Y** |
| Northing | - | **Y** | **Y** | **Y** |
| Y/N – Environmental Protection | - | **Y** | **Y** | **Y** |
| Environmental Impact Levels – Air, Land and Sea | - | **Y** | **Y** | **Y** |

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### Groundwater Vulnerability (AfA199)

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| **Description**  Groundwater Vulnerability consists of two polygon spatial layers available at a scale of 1:100,000. The data broadly define areas relevant to the protection of groundwater. The approach considers the vulnerability of the groundwater resources as a whole; and the specific importance of areas which for the catchments main sources of supply.  Groundwater resources are assigned a vulnerability class [Groundwater Vulnerability 100K], based on soil type and the underlying geology only (e.g. depth to groundwater is not considered):   * Variably permeable groundwater with low leaching potential * Variably permeable groundwater with intermediate leaching potential * Variably permeable groundwater high leaching potential * Highly permeable groundwater with intermediate leaching potential * Highly permeable groundwater with high leaching potential * Highly permeable groundwater with low leaching potential   The Groundwater Vulnerability data is intended to be used to indicate where groundwater resources may be vulnerable from activities carried out on the surface land. Other information, such as depth of groundwater and thickness and type of overlying cover will always be required for a site-specific assessment.  An assessment of the vulnerability of groundwaters to diffuse pollution is also included as the Groundwater Vulnerability Drift 100K spatial layer (‘Drift’ is transported rock debris overlying the solid bedrock) – it shows the distribution of low permeability drift deposits and should be used in conjunction with Groundwater Vulnerability 100K.  **Note**: These data have been mostly superseded by the Aquifer Designation Maps (AfA124&AfA125), however, these maps do not provide information on surface soils. Aquifers previously designated as major and minor now become principal and secondary respectively.  Users will still need to refer to the Groundwater Vulnerability maps if you are assessing activities on undisturbed natural soils (e.g. agricultural land) and need the soil classes. In this case you should disregard the old geological classes and combine the soils information with the new aquifer designations.  **Issues to Note**  These data have been mostly superseded by the Aquifer Designation Maps (AfA124&AfA125), however, these maps do not provide information on surface soils. Aquifers previously designated as major and minor now become principal and secondary respectively.  Users will still need to refer to the Groundwater Vulnerability maps if you are assessing activities on undisturbed natural soils (e.g. agricultural land) and need the soil classes. In this case you should disregard the old geological classes and combine the soils information with the new aquifer designations.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={E60C532E-C63D-485A-89B0-A08AA20829BD}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bE60C532E-C63D-485A-89B0-A08AA20829BD%7d)  **Update frequency**  Not Applicable – these data are no longer updated.  **Supply frequency**  Not Applicable – these data are no longer updated.  **Third Party Prior Rights**  None  **Data Contact / Supply**  National data team  Available on DataShare  **Format Supplied**  Polygon Shape file  **Special Conditions**  None  **Information Warning**  These data have been mostly superseded by the Aquifer Designation Maps (AfA124&AfA125), however, these maps do not provide information on surface soils. Aquifers previously designated as major and minor now become principal and secondary respectively.  Users will still need to refer to the Groundwater Vulnerability maps if you are assessing activities on undisturbed natural soils (e.g. agricultural land) and need the soil classes. In this case you should disregard the old geological classes and combine the soils information with the new aquifer designations.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Groundwater Vulnerability 100K** | | | | |
| Geometry | Polygon  British National Grid | **Y** | **Y** | **Y** |
| AQ\_TYPE | Aquifer Type – Minor or Major | **Y** | **Y** | **Y** |
| VULN\_CL | Vulnerability Classification either Minor (low – high) or Major (low – high) leaching potential. | **Y** | **Y** | **Y** |
| FULL\_CL | Full Vulnerability Classification containing more detailed information on the underlying geology and vulnerability. | **Y** | **Y** | **Y** |
| SOIL\_CL | Soil Classification contain information on leaching potential of pollutants or whether urban areas/restored mineral workings. | **Y** | **Y** | **Y** |
| **Groundwater Vulnerability Drift 100K** | | | | |
| Geometry | Polygon  British National Grid | **Y** | **Y** | **Y** |
| ID | Polygon identifier | **Y** | **Y** | **Y** |

### Groundwater Vulnerability Maps (AfA248)

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| --- |
| **Description**  Wherever groundwater is present there is the potential for it to be affected by human activity. The Environment Agency adopts a concept of vulnerability which recognises that the risks of pollution from a given activity are greater in certain hydrogeological and soil situations than in others. The Environment Agency applied this concept to develop a series of maps for assessing the vulnerability of groundwater resources.  Groundwater Vulnerability is available as two discrete products:  ‘Product 1’ ‘Combined Groundwater Vulnerability Map’: These data consists of the following datasets:   * Soluble Rock Risk * Local Issues – specific physical local factors that affect vulnerability over and above the geology or soil type. * Superficial Groundwater Vulnerability Combined (Superficial Aquifer Designation plus the GWV Map) * Bedrock – Productive Combined (Bedrock Productive Designation plus the GWV Map) * Bedrock – Unproductive Combined with Unproductive Designation plus GWV Map)   ‘Product 2’ ‘Groundwater Vulnerability map’: These data consists of the following datasets:   * Soluble Rock Risk * Local Issues – specific physical local factors that affect vulnerability over and above the geology or soil type. * Groundwater Vulnerability Grid: 1km squares. Showing the worst case groundwater vulnerability class from the Bedrock or Superficial Aquifers to give an overall vulnerability class.   **Issues to Note**  These data have been mostly superseded by the Aquifer Designation Maps (AfA124&AfA125), however, these maps do not provide information on surface soils. Aquifers previously designated as major and minor now become principal and secondary respectively.  Users will still need to refer to the Groundwater Vulnerability maps if you are assessing activities on undisturbed natural soils (e.g. agricultural land) and need the soil classes. In this case you should disregard the old geological classes and combine the soils information with the new aquifer designations.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={33011622-49CB-4B67-A329-D5306022321C}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b33011622-49CB-4B67-A329-D5306022321C%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  These data have been mostly superseded by the Aquifer Designation Maps (AfA124&AfA125), however, these maps do not provide information on surface soils. Aquifers previously designated as major and minor now become principal and secondary respectively.  Users will still need to refer to the Groundwater Vulnerability maps if you are assessing activities on undisturbed natural soils (e.g. agricultural land) and need the soil classes. In this case you should disregard the old geological classes and combine the soils information with the new aquifer designations.  **Guidance**  Superficial Groundwater Vulnerability Combined, Bedrock – Productive, Bedrock – Unproductive dataset geometry derived under the Defra Framework licence can only be supplied if fixed format a.) with a Copyright and Disclaimer when responding to any EIR/FoI requests or b.) supplied to co-deliverers or for non-commercial research or academic use. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Combined Groundwater Vulnerability Map - Soluble Rock Risk** | | | | |
| Shape | Polygon [GRID]  British National Grid | **N** | **N** | **N** |
| GWV\_ID | Unique ID form of grid | **N** | **N** | **N** |
| SRR\_Ar | Area of all soluble rock (sum of GeoSure category A-E) in kilometres2 | **N** | **N** | **N** |
| Max\_SRR\_Ar | Area of the highest category of soluble rock category in kilometres2 | **N** | **N** | **N** |
| MAXSRR | Highest Soluble rock risk category present in kilometre square grid. | **N** | **N** | **N** |
| **Combined Groundwater Vulnerability Map – Local Issue** | | | | |
| Shape | Polygon [GRID]  British National Grid | **Y** | **Y** | **Y** |
| GWV\_ID | Unique ID from grid | **Y** | **Y** | **Y** |
| Local Issue | Yes/No | **Y** | **Y** | **Y** |
| LI\_CODE | Local Issue Code | **Y** | **Y** | **Y** |
| Desc\_ | Additional information, such as physical location, of local issue if available. | **Q** | **Q** | **Q** |
| Reason | Brief description of ‘local issue’ which causes localised high vulnerability. | **Q** | **Q** | **Q** |
| Custodian | Environment Agency’s Public Facing Area | **Y** | **Y** | **Y** |
| **Combined Groundwater Vulnerability Map – Superficial Groundwater Vulnerability Combined** | | | | |
| Shape | Polygon [GRID]  British National Grid | **N** | **N** | **N** |
| UNIQUE | Unique Identifier | **Y** | **Y** | **Y** |
| GWV\_ID | Unique ID for grid | **Y** | **Y** | **Y** |
| X | Easting | **Y** | **Y** | **Y** |
| Y | Northing | **Y** | **Y** | **Y** |
| Superficial typology | The superficial geology typology classification Principle, Secondary (without subgroups), Unproductive | **Y** | **Y** | **Y** |
| Bedrock typology | The bedrock geology typology classification Principle, Secondary (without subgroups, Unproductive | **Y** | **Y** | **Y** |
| Worst case Vulnerability | Calculated for the worst case vulnerability for all aquifers: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Vulnerability | Calculated superficial vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Bedrock Vulnerability | Calculated bedrock vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Score | Calculated value derived from 1km square grid: Value 0 - 8 | **Y** | **Y** | **Y** |
| Bedrock Score | Calculated value derived from 1km square grid: Value 0 - 24 | **Y** | **Y** | **Y** |
| Dilution Value (mm/yr) | Dilution Value for average water flow: Value <200, 200-360, >360 | **Y** | **Y** | **Y** |
| Dilution score | Dilution Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| BFI value (%) | Base Flow Index: Value >70, 40-70,<40 | **Y** | **Y** | **Y** |
| BFI score | Base Flow Index Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Soil leaching attribute | Soil Leaching Class: Value High/Intermediate/Low | **Y** | **Y** | **Y** |
| Soil leaching score | Soil Leaching Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Drift patchiness value (%) | Drift patchiness value: <90 or >90 | **N** | **N** | **N** |
| Drift patchiness score | Drift patchiness score: Value 0, 2 | **N** | **N** | **N** |
| Drift thickness value (m) | Drift thickness value: Value <3, 3-10, >10 | **N** | **N** | **N** |
| Drift thickness score | Drift thickness score: Value 0, 1, 2 | **N** | **N** | **N** |
| Recharge Potential attribute | Recharge Potential result: Value High/Medium/Low | **Y** | **Y** | **Y** |
| Recharge score | Recharge Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Unsaturated flow type | Unsaturated flow type: Value Fracture, Mixed, Intergranualar | **N** | **N** | **N** |
| Unsaturated flow score | Unsaturated flow score: Value 0, 1, 2 | **N** | **N** | **N** |
| **Combined Groundwater Vulnerability Map – Bedrock - Productive** | | | | |
| Shape | Polygon [GRID]  British National Grid | **N** | **N** | **N** |
| UNIQUE | Unique Identifier | **Y** | **Y** | **Y** |
| GWV\_ID | Unique ID for grid | **Y** | **Y** | **Y** |
| X | Easting | **Y** | **Y** | **Y** |
| Y | Northing | **Y** | **Y** | **Y** |
| Superficial typology | The superficial geology typology classification Principle, Secondary (without subgroups), Unproductive | **Y** | **Y** | **Y** |
| Bedrock typology | The bedrock geology typology classification Principle, Secondary (without subgroups, Unproductive | **Y** | **Y** | **Y** |
| Worst case Vulnerability | Calculated for the worst case vulnerability for all aquifers: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Vulnerability | Calculated superficial vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Bedrock Vulnerability | Calculated bedrock vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Score | Calculated value derived from 1km square grid: Value 0 - 8 | **Y** | **Y** | **Y** |
| Bedrock Score | Calculated value derived from 1km square grid: Value 0 - 24 | **Y** | **Y** | **Y** |
| Dilution Value (mm/yr) | Dilution Value for average water flow: Value <200, 200-360, >360 | **Y** | **Y** | **Y** |
| Dilution score | Dilution Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| BFI value (%) | Base Flow Index: Value >70, 40-70,<40 | **Y** | **Y** | **Y** |
| BFI score | Base Flow Index Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Soil leaching attribute | Soil Leaching Class: Value High/Intermediate/Low | **Y** | **Y** | **Y** |
| Soil leaching score | Soil Leaching Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Drift patchiness value (%) | Drift patchiness value: <90 or >90 | **N** | **N** | **N** |
| Drift patchiness score | Drift patchiness score: Value 0, 2 | **N** | **N** | **N** |
| Drift thickness value (m) | Drift thickness value: Value <3, 3-10, >10 | **N** | **N** | **N** |
| Drift thickness score | Drift thickness score: Value 0, 1, 2 | **N** | **N** | **N** |
| Recharge Potential attribute | Recharge Potential result: Value High/Medium/Low | **Y** | **Y** | **Y** |
| Recharge score | Recharge Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Unsaturated flow type | Unsaturated flow type: Value Fracture, Mixed, Intergranualar | **N** | **N** | **N** |
| Unsaturated flow score | Unsaturated flow score: Value 0, 1, 2 | **N** | **N** | **N** |
| **Combined Groundwater Vulnerability Map – Bedrock - Unproductive** | | | | |
| Shape | Polygon [GRID]  British National Grid | **N** | **N** | **N** |
| UNIQUE | Unique Identifier | **Y** | **Y** | **Y** |
| GWV\_ID | Unique ID for grid | **Y** | **Y** | **Y** |
| X | Easting | **Y** | **Y** | **Y** |
| Y | Northing | **Y** | **Y** | **Y** |
| Superficial typology | The superficial geology typology classification Principle, Secondary (without subgroups), Unproductive | **Y** | **Y** | **Y** |
| Bedrock typology | The bedrock geology typology classification Principle, Secondary (without subgroups, Unproductive | **Y** | **Y** | **Y** |
| Worst case Vulnerability | Calculated for the worst case vulnerability for all aquifers: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Vulnerability | Calculated superficial vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Bedrock Vulnerability | Calculated bedrock vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Score | Calculated value derived from 1km square grid: Value 0 - 8 | **Y** | **Y** | **Y** |
| Bedrock Score | Calculated value derived from 1km square grid: Value 0 - 24 | **Y** | **Y** | **Y** |
| Dilution Value (mm/yr) | Dilution Value for average water flow: Value <200, 200-360, >360 | **Y** | **Y** | **Y** |
| Dilution score | Dilution Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| BFI value (%) | Base Flow Index: Value >70, 40-70,<40 | **Y** | **Y** | **Y** |
| BFI score | Base Flow Index Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Soil leaching attribute | Soil Leaching Class: Value High/Intermediate/Low | **Y** | **Y** | **Y** |
| Soil leaching score | Soil Leaching Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Drift patchiness value (%) | Drift patchiness value: <90 or >90 | **N** | **N** | **N** |
| Drift patchiness score | Drift patchiness score: Value 0, 2 | **N** | **N** | **N** |
| Drift thickness value (m) | Drift thickness value: Value <3, 3-10, >10 | **N** | **N** | **N** |
| Drift thickness score | Drift thickness score: Value 0, 1, 2 | **N** | **N** | **N** |
| Recharge Potential attribute | Recharge Potential result: Value High/Medium/Low | **Y** | **Y** | **Y** |
| Recharge score | Recharge Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Unsaturated flow type | Unsaturated flow type: Value Fracture, Mixed, Intergranualar | **N** | **N** | **N** |
| Unsaturated flow score | Unsaturated flow score: Value 0, 1, 2 | **N** | **N** | **N** |
| **Groundwater Vulnerability Map - Soluble Rock Risk** | | | | |
| Shape | Polygon [GRID]  British National Grid | **N** | **N** | **N** |
| GWV\_ID | Unique ID form of grid | **N** | **N** | **N** |
| SRR\_Ar | Area of all soluble rock in kilometres2 | **N** | **N** | **N** |
| Max\_SRR\_Ar | Area of max soluble rock category in kilometres2 | **N** | **N** | **N** |
| MAXSRR | (Maximum Soluble rock risk). Maximum Karst category | **N** | **N** | **N** |
| **Groundwater Vulnerability Map - Local Issue** | | | | |
| Shape | Polygon [GRID]  British National Grid | **Y** | **Y** | **Y** |
| GWV\_ID | Unique ID from grid | **Y** | **Y** | **Y** |
| Local Issue | Yes/No | **Y** | **Y** | **Y** |
| LI\_CODE | Local Issue Code | **Y** | **Y** | **Y** |
| Desc\_ | Additional information, such as physical location, of local issue if available. | **Q** | **Q** | **Q** |
| Reason | Brief description of ‘local issue’ which causes localised high vulnerability. | **Q** | **Q** | **Q** |
| Environment Agency Area | Environment Agency’s Public Facing Area | **Y** | **Y** | **Y** |
| **Groundwater Vulnerability Map - Groundwater vulnerability grid** | | | | |
| Shape | Polygon [GRID]  British National Grid | **N** | **N** | **N** |
| UNIQUE | Unique Identifier | **Y** | **Y** | **Y** |
| GWV\_ID | Unique ID for grid | **Y** | **Y** | **Y** |
| X | Easting | **Y** | **Y** | **Y** |
| Y | Northing | **Y** | **Y** | **Y** |
| Worst case Vulnerability | Calculated for the worst case vulnerability for all aquifers: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Vulnerability | Calculated superficial vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Bedrock Vulnerability | Calculated bedrock vulnerability: High/Medium/Low | **Y** | **Y** | **Y** |
| Superficial Score | Calculated value derived from 1km square grid: Value 0 - 8 | **Y** | **Y** | **Y** |
| Bedrock Score | Calculated value derived from 1km square grid: Value 0 - 24 | **Y** | **Y** | **Y** |
| Dilution Value (mm/yr) | Dilution Value for average water flow: Value <200, 200-360, >360 | **Y** | **Y** | **Y** |
| Dilution score | Dilution Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| BFI value (%) | Base Flow Index: Value >70, 40-70,<40 | **Y** | **Y** | **Y** |
| BFI score | Base Flow Index Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Soil leaching attribute | Soil Leaching Class: Value High/Intermediate/Low | **Y** | **Y** | **Y** |
| Soil leaching score | Soil Leaching Score : Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Drift patchiness value (%) | Drift patchiness value: <90 or >90 | **N** | **N** | **N** |
| Drift patchiness score | Drift patchiness score: Value 0, 2 | **N** | **N** | **N** |
| Drift thickness value (m) | Drift thickness value: Value <3, 3-10, >10 | **N** | **N** | **N** |
| Drift thickness score | Drift thickness score: Value 0, 1, 2 | **N** | **N** | **N** |
| Recharge Potential attribute | Recharge Potential result: Value High/Medium/Low | **Y** | **Y** | **Y** |
| Recharge score | Recharge Score: Value 0, 1, 2 | **Y** | **Y** | **Y** |
| Unsaturated flow type | Unsaturated flow type: Value Fracture, Mixed, Intergranualar | **N** | **N** | **N** |
| Unsaturated flow score | Unsaturated flow score: Value 0, 1, 2 | **N** | **N** | **N** |

### 

### Historic GQA Headline Indicators of Water Courses – Biology (AfA161)

|  |
| --- |
| **Description**  The General Quality Assessment (GQA) Headline Indicator scheme or GQAHI (previously known as GQA) was the Environment Agency's national indicator for water quality in rivers and canals. It was designed to provide an accurate and consistent assessment of the state of water quality and how it changes over time as a national picture. These assessments were made for Biological, Chemical and Nutrients and undertaken for discrete river stretches. 4978 river stretches are included in the biology assessment which represent approximately 22,773km.  The Biology assessment gave an indicator of the overall ‘health’ of rivers. It describes water quality in terms of 83 groups of macroinvertebrates. Macroinvertebrates are small animals that can be seen with the naked eye. Some of these are pollution sensitive so their presence suggested better water quality. The assessment was made by carrying out a bi-yearly (Spring/Autumn) three minute active sampling with a pond net and a one-minute visual search for animals living on the surface or attached to rocks or vegetation. The number of taxa present were recorded and the Biological Monitoring Working Party score calculated. These values were then compared with values expected at a site in a similar, but totally unpolluted river. The mathematical model RIVPACS (the River Invertebrate Prediction and Classification System) was used to predict fauna in the absence of pollution. A category was assigned to the river stretch where the monitoring point was located:   * A - Very Good: Biology similar to that expected for an average and unpolluted river of this size, type and location. High diversity of groups, usually with several species in each. Rare to find dominance of any one group. * B - Good: Biology falls a little short of that expected for an unpolluted river. Small reduction in the number of groups that are sensitive to pollution. Moderate increase in the number of individuals in the groups that tolerate pollution * C - Fairly Good: Biology worse than expected for an unpolluted river. Many sensitive groups absent or number of individuals reduced. Marked rise in numbers of individuals in groups that tolerate pollution. * D - Fair: Sensitive groups scarce and contains only small numbers of individuals. A range of pollution tolerant groups present, some with high numbers of individuals. * E – Poor: Biology restricted to pollution tolerant species with some groups dominant in terms of the numbers of individuals. Sensitive groups rare or absent. * F – Bad: Biology limited to a small number of very tolerant groups (such as worms, midge larvae and leeches), present in very high numbers. In the worst case, there may be no life present.   Sample points represent one or many stretches; there are approximately 3270 biology sample points.  **Issues to Note**  Additional attributes are added annually (2008 attributes are represented) with 2009 being the last year of the scheme.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={ACE6CCCB-A318-4A60-8299-7351FECF5030}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bACE6CCCB-A318-4A60-8299-7351FECF5030%7d)  **Update frequency**  None after 2009  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  In 2007 the England GQA river network was reduced to the GQAHI river network. The data described have been amended to be consistent for all years. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| REGION | EA Region | **Y** | **Y** | **Y** |
| KEY | Unique identifier of stretch | **Y** | **Y** | **Y** |
| RIVER | Name of river sampled | **Y** | **Y** | **Y** |
| REACH | Name of river stretch | **Y** | **Y** | **Y** |
| DISTANCE | Length of stretch (km) | **Y** | **Y** | **Y** |
| UPSTREAM\_NGR | National Grid Reference for start of stretch | **Y** | **Y** | **Y** |
| DOWNSTREAM\_ NGR | National Grid Reference for end stretch | **Y** | **Y** | **Y** |
| BIOL\_ID | Biology sampling point ID (null if no longer sampled) | **Y** | **Y** | **Y** |
| Class\_90\_bias | Bias-adjusted biological quality grades for 1990 | **Y** | **Y** | **Y** |
| Class\_95\_bias | Bias-adjusted biological quality grades for 1995 | **Y** | **Y** | **Y** |
| Class\_00\_bias | Bias-adjusted biological quality grades for 2000 | **Y** | **Y** | **Y** |
| Class\_00\_02\_bias | Bias-adjusted biological quality grades for 2000/02 | **Y** | **Y** | **Y** |
| Class\_00\_02\_03\_bias | Bias-adjusted biological quality grades for 2000/02/03 | **Y** | **Y** | **Y** |
| Class\_02\_03\_04\_bias | Bias-adjusted biological quality grades for 2002/03/04 | **Y** | **Y** | **Y** |
| Class\_03\_04\_05\_bias | Bias-adjusted biological quality grades for 2003/04/05 | **Y** | **Y** | **Y** |
| Class\_04\_05\_06\_bias | Bias-adjusted biological quality grades for 2004/05/06 | **Y** | **Y** | **Y** |
| Class\_05\_06\_07\_bias | Bias-adjusted biological quality grades for 2005/06/07 | **Y** | **Y** | **Y** |
| Class\_06\_07\_08\_bias | Bias-adjusted biological quality grades for 2006/07/08 | **Y** | **Y** | **Y** |
| FLOW | Estimate of long term average natural flow at the end of the stretch (cubic metres per second). | **Y** | **Y** | **Y** |
| FLOW\_GROUP | Category of long term average natural flow | **Y** | **Y** | **Y** |
| FLOW\_TYPE | C=Canal; R=River; D=Drain | **Y** | **Y** | **Y** |

### Historic GQA Headline Indicators of Water Courses – Chemistry (AfA162)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Description**  The General Quality Assessment (GQA) Headline Indicator scheme or GQAHI (previously known as GQA) was the Environment Agency's national indicator for water quality in rivers and canals. It was designed to provide an accurate and consistent assessment of the state of water quality and how it changed over time as a national picture. These assessments were made for Biological, Chemical and Nutrients and undertaken for discrete river stretches.  The Chemistry GQAHI scheme had over 3000 sampling sites which provided information for approximately 22500 km of watercourses. In Wales we maintained the full GQA network until 2010 based on 800 sampling sites which provided information for approximately 4700km. Chemistry GQAHI/GQA sites were sampled twelve times a year, the samples being taken at the same spot on each sampling occasion to ensure consistency. In England each chemical sample was measured for ammonia and dissolved oxygen. In Wales each chemical sample was measured for biochemical oxygen demand (BOD), ammonia and dissolved oxygen (the most common types of organic pollution from sewage treatment works, agriculture and industry). A category was assigned using three years worth of samples for each sampled chemical and assigned a category assessed against chemical standards expressed as percentiles The data collected over three years were used to determine average nutrient concentrations. So the classification for the year 2008 includes the results for 2006 and 2007. Subsequently a category was assigned to each length of river according to the lowest standard achieved by any of the two or three measurements:  The Chemistry GQA used in Wales described quality in terms of three chemical measurements that detect the most common types of organic pollution from sewage treatment works, agriculture and industry. The chemistry GQAHI scheme used in England used the same methods however the biochemical oxygen demand (BOD) component of the assessment had been removed.  Grades of river quality for the chemical GQA   |  |  |  | | --- | --- | --- | | Chemical grade | | Likely uses and characteristics\* | | A | Very good | All abstractions, Very good salmonid fisheries, Cyprinid fisheries, Natural ecosystems | | B | Good | All abstractions, Salmonid fisheries, Cyprinid fisheries, Ecosystems at or close to natural | | C | Fairly good | Potable supply after advanced treatment, Other abstractions, Good cyprinid fisheries, Natural ecosystems, or those corresponding to good cyprinid fisheries | | D | Fair | Potable supply after advanced treatment, Other abstractions, Fair cyprinid fisheries, Impacted ecosystems | | E | Poor | Low grade abstraction for industry, Fish absent or sporadically present, vulnerable to pollution\*\*, Impoverished ecosystems\*\* | | F | Bad | Very polluted rivers which may cause nuisance, Severely restricted ecosystems |   \*Provided other standards are met  \*\*Where the grade is caused by discharges of organic pollution  **Issues to Note**  2009 is the final year of the scheme.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={8E7CA627-FF5F-4B3D-B179-AAB2D3245515}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b8E7CA627-FF5F-4B3D-B179-AAB2D3245515%7d)  **Update frequency**  None after 2009  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  In 2007 the England GQA river network was reduced to the GQAHI river network. The assessment was changed to be based on total ammonia and dissolved oxygen only. Biochemical oxygen demand (BOD) was removed from the assessment and all past grades re-calculated. The data described have been amended to be consistent and comparable for all years. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **GQAHI (England)** | | | | |
| REGION | Region name | **Y** | **Y** | **Y** |
| RNAME | River name | **Y** | **Y** | **Y** |
| SNAME | Stretch name | **Y** | **Y** | **Y** |
| KEY | Unique identifier | **Y** | **Y** | **Y** |
| AREA | Area name | **Y** | **Y** | **Y** |
| LENGTH | Stretch length (km) | **Y** | **Y** | **Y** |
| UPNGR | Start of Stretch NGR | **Y** | **Y** | **Y** |
| DOWNNGR | End of Stretch NGR | **Y** | **Y** | **Y** |
| CHEMNGR | Sample Point NGR | **Y** | **Y** | **Y** |
| HI 1990 | HI 1990 result | **Y** | **Y** | **Y** |
| HI 1993 | HI 1993 result | **Y** | **Y** | **Y** |
| HI 1994 | HI 1994 result | **Y** | **Y** | **Y** |
| HI 1995 | HI 1995 result | **Y** | **Y** | **Y** |
| HI 1996 | HI 1996 result | **Y** | **Y** | **Y** |
| HI 1997 | HI 1997 result | **Y** | **Y** | **Y** |
| HI 1998 | HI 1998 result | **Y** | **Y** | **Y** |
| HI 1999 | HI 1999 result | **Y** | **Y** | **Y** |
| HI 2000 | HI 2000 result | **Y** | **Y** | **Y** |
| HI 2001 | HI 2001 result | **Y** | **Y** | **Y** |
| HI 2002 | HI 2002 result | **Y** | **Y** | **Y** |
| HI 2003 | HI 2003 result | **Y** | **Y** | **Y** |
| HI 2004 | HI 2004 result | **Y** | **Y** | **Y** |
| HI 2005 | HI 2005 result | **Y** | **Y** | **Y** |
| HI 2006 | HI 2006 result | **Y** | **Y** | **Y** |
| HI 2007 | HI 2007 result | **Y** | **Y** | **Y** |
| HI 2008 | HI 2008 result | **Y** | **Y** | **Y** |
| HI 2008 | HI 2009 result | **Y** | **Y** | **Y** |
| **GQA (Wales)** | | | | |
| REGION | Region name | **Y** | **Y** | **Y** |
| RNAME | River name | **Y** | **Y** | **Y** |
| SNAME | Stretch name | **Y** | **Y** | **Y** |
| KEY | Unique identifier | **Y** | **Y** | **Y** |
| AREA | Area name | **Y** | **Y** | **Y** |
| LENGTH | Stretch length (km) | **Y** | **Y** | **Y** |
| UPNGR | Start of Stretch NGR | **Y** | **Y** | **Y** |
| DOWNNGR | End of Stretch NGR | **Y** | **Y** | **Y** |
| CHEMNGR | Sample Point NGR | **Y** | **Y** | **Y** |
| GQA 1990 | GQA 1990 result | **Y** | **Y** | **Y** |
| GQA 1993 | GQA 1993 result | **Y** | **Y** | **Y** |
| GQA 1994 | GQA 1994 result | **Y** | **Y** | **Y** |
| GQA 1995 | GQA 1995 result | **Y** | **Y** | **Y** |
| GQA 1996 | GQA 1996 result | **Y** | **Y** | **Y** |
| GQA 1997 | GQA 1997 result | **Y** | **Y** | **Y** |
| GQA 1998 | GQA 1998 result | **Y** | **Y** | **Y** |
| GQA 1999 | GQA 1999 result | **Y** | **Y** | **Y** |
| GQA 2000 | GQA 2000 result | **Y** | **Y** | **Y** |
| GQA 2001 | GQA 2001 result | **Y** | **Y** | **Y** |
| GQA 2002 | GQA 2002 result | **Y** | **Y** | **Y** |
| GQA 2003 | GQA 2003 result | **Y** | **Y** | **Y** |
| GQA 2004 | GQA 2004 result | **Y** | **Y** | **Y** |
| GQA 2005 | GQA 2005 result | **Y** | **Y** | **Y** |
| GQA 2006 | GQA 2006 result | **Y** | **Y** | **Y** |
| GQA 2007 | GQA 2007 result | **Y** | **Y** | **Y** |
| GQA 2008 | GQA 2008 result | **Y** | **Y** | **Y** |
| GQA 2009 | GQA 2009 result | **Y** | **Y** | **Y** |

### Historic GQA Headline Indicators of Water Courses – Nutrients (AfA163)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Description**  The General Quality Assessment Headline Indicator scheme (GQAHI) was the Environment Agency's national method for creating a water quality indicator based on rivers and canals in England. This was a reduced network compared to the original GQA network used in England from 1990 to 2006. The Nutrients GQAHI scheme had over 3000 sampling sites which provide information for approximately 22500 km of watercourses. In Wales we maintained the full GQA network until 2010 based on 800 sampling sites which provided information for approximately 4700km.  The GQAHI/GQA scheme was designed to provide an accurate and consistent assessment of the state of water quality and how it changes over time. The Nutrients GQA described quality in terms of two nutrients: nitrates (mg NO3 /l) and phosphates (mg P/l) and graded from 1 to 6. Grades were allocated for both phosphate and nitrate; they were not combined into a single nutrients grade. There were no set ‘good’ or ‘bad’ concentrations for nutrients in rivers in the way that we describe chemical and biological quality. Rivers in different parts of the country have naturally different concentrations of nutrients. ‘Very low’ nutrient concentrations, for example, are not necessarily good or bad; the classifications merely stated that concentrations in this river were very low relative to other rivers.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Classification for phosphate** | | |  | **Classification for nitrate** | | | | Grade | Grade limit (mgP/l) Average | Description |  | Grade | Grade limit (mg NO3/l) Average | Description | | 1 | <0.02 | Very low |  | 1 | <5 | Very low | | 2 | >0.02 to 0.06 | Low |  | 2 | >5 to 10 | Low | | 3 | >0.06 to 0.1 | Moderate |  | 3 | >10 to 20 | Moderately low | | 4 | >0.1 to 0.2 | High |  | 4 | >20 to30 | Moderate | | 5 | >0.2 to 1.0 | Very high |  | 5 | >30 to 40 | High | | 6 | >1.0 | Excessively high |  | 6 | >40 | Very high |   **Issues to Note**  2009 us the final year of the scheme.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={4950412A-5B48-4EAB-93DE-710528E8CC12}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b4950412A-5B48-4EAB-93DE-710528E8CC12%7d)  **Update frequency**  None after 2009  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **nitrate GQA grades 2009 (England)** | | | | |
| REGION | Region name | **Y** | **Y** | **Y** |
| RNAME | River name | **Y** | **Y** | **Y** |
| SNAME | Stretch name | **Y** | **Y** | **Y** |
| KEY | Unique identifier | **Y** | **Y** | **Y** |
| LENGTH | River stretch length (km) | **Y** | **Y** | **Y** |
| UPNGR | Start of Stretch NGR | **Y** | **Y** | **Y** |
| DOWNNGR | End of Stretch NGR | **Y** | **Y** | **Y** |
| CHEMNGR | Sample Point NGR | **Y** | **Y** | **Y** |
| N\_GQA\_90 | Nitrate GQA Grade 1990 | **Y** | **Y** | **Y** |
| N\_GQA\_95 | Nitrate GQA Grade 1995 | **Y** | **Y** | **Y** |
| N\_GQA\_00 | Nitrate GQA Grade 2000 | **Y** | **Y** | **Y** |
| N\_GQA\_01 | Nitrate GQA Grade 2001 | **Y** | **Y** | **Y** |
| N\_GQA\_02 | Nitrate GQA Grade 2002 | **Y** | **Y** | **Y** |
| N\_GQA\_03 | Nitrate GQA Grade 2003 | **Y** | **Y** | **Y** |
| N\_GQA\_04 | Nitrate GQA Grade 2004 | **Y** | **Y** | **Y** |
| N\_GQA\_05 | Nitrate GQA Grade 2005 | **Y** | **Y** | **Y** |
| N\_GQA\_06 | Nitrate GQA Grade 2006 | **Y** | **Y** | **Y** |
| N\_GQA\_07 | Nitrate GQA Grade 2007 | **Y** | **Y** | **Y** |
| N\_GQA\_08 | Nitrate GQA Grade 2008 | **Y** | **Y** | **Y** |
| N\_GQA\_09 | Nitrate GQA Grade 2009 | **Y** | **Y** | **Y** |
| **nitrate GQA grades 2009 (Wales)** | | | | |
| REGION | Region name | **Y** | **Y** | **Y** |
| RNAME | River name | **Y** | **Y** | **Y** |
| SNAME | Stretch name | **Y** | **Y** | **Y** |
| KEY | Unique identifier | **Y** | **Y** | **Y** |
| LENGTH | River stretch length (km) | **Y** | **Y** | **Y** |
| UPNGR | Start of Stretch NGR | **Y** | **Y** | **Y** |
| DOWNNGR | End of Stretch NGR | **Y** | **Y** | **Y** |
| CHEMNGR | Sample Point NGR | **Y** | **Y** | **Y** |
| N\_GQA\_90 | Nitrate GQA Grade 1990 | **Y** | **Y** | **Y** |
| N\_GQA\_95 | Nitrate GQA Grade 1995 | **Y** | **Y** | **Y** |
| N\_GQA\_00 | Nitrate GQA Grade 2000 | **Y** | **Y** | **Y** |
| N\_GQA\_01 | Nitrate GQA Grade 2001 | **Y** | **Y** | **Y** |
| N\_GQA\_02 | Nitrate GQA Grade 2002 | **Y** | **Y** | **Y** |
| N\_GQA\_03 | Nitrate GQA Grade 2003 | **Y** | **Y** | **Y** |
| N\_GQA\_04 | Nitrate GQA Grade 2004 | **Y** | **Y** | **Y** |
| N\_GQA\_05 | Nitrate GQA Grade 2005 | **Y** | **Y** | **Y** |
| N\_GQA\_06 | Nitrate GQA Grade 2006 | **Y** | **Y** | **Y** |
| N\_GQA\_07 | Nitrate GQA Grade 2007 | **Y** | **Y** | **Y** |
| N\_GQA\_08 | Nitrate GQA Grade 2008 | **Y** | **Y** | **Y** |
| N\_GQA\_09 | Nitrate GQA Grade 2009 | **Y** | **Y** | **Y** |
| **phosphate GQA grades 2009 (England)** | | | | |
| REGION | Region name | **Y** | **Y** | **Y** |
| RNAME | River name | **Y** | **Y** | **Y** |
| SNAME | Stretch name | **Y** | **Y** | **Y** |
| KEY | Unique identifier | **Y** | **Y** | **Y** |
| LENGTH | River stretch length (km) | **Y** | **Y** | **Y** |
| UPNGR | Start of Stretch NGR | **Y** | **Y** | **Y** |
| DOWNNGR | End of Stretch NGR | **Y** | **Y** | **Y** |
| CHEMNGR | Sample Point NGR | **Y** | **Y** | **Y** |
| P\_GQA\_90 | Phosphate GQA Grade 1990 | **Y** | **Y** | **Y** |
| P\_GQA\_95 | Phosphate GQA Grade 1995 | **Y** | **Y** | **Y** |
| P\_GQA\_00 | Phosphate GQA Grade 2000 | **Y** | **Y** | **Y** |
| P\_GQA\_01 | Phosphate GQA Grade 2001 | **Y** | **Y** | **Y** |
| P\_GQA\_02 | Phosphate GQA Grade 2002 | **Y** | **Y** | **Y** |
| P\_GQA\_03 | Phosphate GQA Grade 2003 | **Y** | **Y** | **Y** |
| P\_GQA\_04 | Phosphate GQA Grade 2004 | **Y** | **Y** | **Y** |
| P\_GQA\_05 | Phosphate GQA Grade 2005 | **Y** | **Y** | **Y** |
| P\_GQA\_06 | Phosphate GQA Grade 2006 | **Y** | **Y** | **Y** |
| P\_GQA\_07 | Phosphate GQA Grade 2007 | **Y** | **Y** | **Y** |
| P\_GQA\_08 | Phosphate GQA Grade 2008 | **Y** | **Y** | **Y** |
| P\_GQA\_09 | Phosphate GQA Grade 2009 | **Y** | **Y** | **Y** |
| **phosphate GQA grades 2009 (Wales)** | | | | |
| REGION | Region name | **Y** | **Y** | **Y** |
| RNAME | River name | **Y** | **Y** | **Y** |
| SNAME | Stretch name | **Y** | **Y** | **Y** |
| KEY | Unique identifier | **Y** | **Y** | **Y** |
| LENGTH | River stretch length (km) | **Y** | **Y** | **Y** |
| UPNGR | Start of Stretch NGR | **Y** | **Y** | **Y** |
| DOWNNGR | End of Stretch NGR | **Y** | **Y** | **Y** |
| CHEMNGR | Sample Point NGR | **Y** | **Y** | **Y** |
| P\_GQA\_90 | Phosphate GQA Grade 1990 | **Y** | **Y** | **Y** |
| P\_GQA\_95 | Phosphate GQA Grade 1995 | **Y** | **Y** | **Y** |
| P\_GQA\_00 | Phosphate GQA Grade 2000 | **Y** | **Y** | **Y** |
| P\_GQA\_01 | Phosphate GQA Grade 2001 | **Y** | **Y** | **Y** |
| P\_GQA\_02 | Phosphate GQA Grade 2002 | **Y** | **Y** | **Y** |
| P\_GQA\_03 | Phosphate GQA Grade 2003 | **Y** | **Y** | **Y** |
| P\_GQA\_04 | Phosphate GQA Grade 2004 | **Y** | **Y** | **Y** |
| P\_GQA\_05 | Phosphate GQA Grade 2005 | **Y** | **Y** | **Y** |
| P\_GQA\_06 | Phosphate GQA Grade 2006 | **Y** | **Y** | **Y** |
| P\_GQA\_07 | Phosphate GQA Grade 2007 | **Y** | **Y** | **Y** |
| P\_GQA\_08 | Phosphate GQA Grade 2008 | **Y** | **Y** | **Y** |
| P\_GQA\_09 | Phosphate GQA Grade 2009 | **Y** | **Y** | **Y** |

### Historic River Quality Objectives (AfA164)

|  |
| --- |
| **Description**  The River Quality Objectives (RQO) classification was used for planning water quality improvements until 2006 when the scheme ended. RQOs were assigned to all significantly sized rivers (based on river flow). RQOs were based on the River Ecosystem (RE) Classification Scheme which was introduced in 1994 to replace the National Water Council's methodology. The RE system consists of five classes (1-5) based on the same determinands used in the General Quality Assessment (GQA) chemistry assessment of Biochemical Oxygen Demand (BOD), ammonia and dissolved oxygen but also includes the additional determinands of (free (or un-ionised) ammonia, pH, hardness, dissolved copper and total zinc) that reflect the requirements of a river ecosystem.  Chemical samples were taken 12 times a year. Any river quality failures, their reasons and actions to be taken, were stored in separate tables.  The national RQO classification scheme ceased at the end of 2006, it is now a fixed table which will not be updated. RQO compliance figures are available for 1997-2006.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={A9343E9A-D69C-4D92-86F6-1549D77657C6}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bA9343E9A-D69C-4D92-86F6-1549D77657C6%7d)  **Update frequency**  No longer updated  **Supply frequency**  One off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| REGION | Region name | **Y** | **Y** | **Y** |
| RNAME | River name | **Y** | **Y** | **Y** |
| SNAME | Stretch name | **Y** | **Y** | **Y** |
| KEY | Unique identifier | **Y** | **Y** | **Y** |
| AREA | Area name | **Y** | **Y** | **Y** |
| LENGTH | Stretch length (km) | **Y** | **Y** | **Y** |
| UPNGR | Start of Stretch NGR | **Y** | **Y** | **Y** |
| DOWNNGR | End of Stretch NGR | **Y** | **Y** | **Y** |
| CHEMNGR | Sample Point NGR | **Y** | **Y** | **Y** |
| RQO | River Quality Objective for stretch | **Y** | **Y** | **Y** |
| 1993 compliance | Compliance with RQO grade for 1993 | **Y** | **Y** | **Y** |
| 1994 compliance | Compliance with RQO grade for 1994 | **Y** | **Y** | **Y** |
| 1995 compliance | Compliance with RQO grade for 1995 | **Y** | **Y** | **Y** |
| 1996 compliance | Compliance with RQO grade for 1996 | **Y** | **Y** | **Y** |
| 1997 compliance | Compliance with RQO grade for 1997 | **Y** | **Y** | **Y** |
| 1998 compliance | Compliance with RQO grade for 1998 | **Y** | **Y** | **Y** |
| 1999 compliance | Compliance with RQO grade for 1999 | **Y** | **Y** | **Y** |
| 2000 compliance | Compliance with RQO grade for 2000 | **Y** | **Y** | **Y** |
| 2001 compliance | Compliance with RQO grade for 2001 | **Y** | **Y** | **Y** |
| 2002 compliance | Compliance with RQO grade for 2002 | **Y** | **Y** | **Y** |
| 2003 compliance | Compliance with RQO grade for 2003 | **Y** | **Y** | **Y** |
| 2004 compliance | Compliance with RQO grade for 2004 | **Y** | **Y** | **Y** |
| 2005 compliance | Compliance with RQO grade for 2005 | **Y** | **Y** | **Y** |
| 2006 compliance | Compliance with RQO grade for 2006 | **Y** | **Y** | **Y** |

### Historic UK Water Quality Sampling Harmonised Monitoring Scheme Detailed Data (AfA255)

**Description:**

The Historic UK Water Quality Sampling Harmonised Monitoring Scheme (HMS) dataset contains individual determinand results for all sites in the UK Harmonised Monitoring Scheme network from 1975 to 2013

The sampling network included 230 sites, mainly located at the tidal limits of major rivers or at the points of confluence of significant tributaries. The information held within the HMS includes data on: Oxygen and ammonia, Nutrients, List II metals and Pesticides.

The Harmonised Monitoring Scheme (HMS) was established to provide an archive of water quality data for the UK. It is used to provide information for international obligations, including the long-term trends of some determinands and the estimation of riverborne input of selected determinands to the sea.

The summary dataset is covered in AfA178 Historic UK Water Quality Sampling Harmonised Monitoring Scheme summary data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={134E1BE7-2357-4A47-A066-2B85B3E164A9}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b134E1BE7-2357-4A47-A066-2B85B3E164A9%7d)

**Update frequency**

Annual

**Supply frequency**

On request

**Third Party Prior Rights**

**Data Contact / Supply**

**Format Supplied**

MS Access database

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| **Table Data** | | | | | |
| SampleID | | Sample identifier (automated number generated by database). | **Y** | **Y** | **Y** |
| DeterminandID | | Determinand identifier (refer to Determinand look-up table). | **Y** | **Y** | **Y** |
| Qualifier | | Symbols < or > used where applicable. | **Y** | **Y** | **Y** |
| Result | Determinand value (refer to Unit look-up table). | | **Y** | **Y** | **Y** |
| **Table Sample** | | | | | |
| SampleID | | Sample identifier (automated number generated by database). | **Y** | **Y** | **Y** |
| SiteID | | Site identifier (refer to Site look-up table). | **Y** | **Y** | **Y** |
| Date | Date on which sample was taken. | | **Y** | **Y** | **Y** |
| Time | | Time at which sample was taken. | **Y** | **Y** | **Y** |
| **Table Determinand** | | | | | |
| DeterminandID | | Determinand identifier. | **Y** | **Y** | **Y** |
| Det\_Name | Name of determinand e.g. pH, total mercury. | | **Y** | **Y** | **Y** |
| UnitID | | Unit of measurement identifier for each determinand (refer to Unit look-up table). | **Y** | **Y** | **Y** |
| Class | | Type of determinand e.g. dissolved, microbiological. | **Y** | **Y** | **Y** |
| Format | | Format of result in decimal places. | **Y** | **Y** | **Y** |
| National Suite | Is this determinand part of the Environment Agency's National Suite for HMS? Y/N | | **Y** | **Y** | **Y** |
| **Table Unit** | | | | | |
| UnitID | | Unit identifier (each unit is assigned a number). | **Y** | **Y** | **Y** |
| Units | | Description of units e.g. mg/l, °C. | **Y** | **Y** | **Y** |
| **Table Site** | | | **Y** | **Y** | **Y** |
| SiteID | | Site identifier (each Site is assigned a number). | **Y** | **Y** | **Y** |
| RiverID | | River identifier (refer to River look-up table). | **Y** | **Y** | **Y** |
| Description | | Description of site e.g. Totnes weir, Rhydyfelin. | **Y** | **Y** | **Y** |
| RegionID | Region identifier (refer to Region look-up table). | | **Y** | **Y** | **Y** |
| NGR | | National Grid Reference (format SWxxxxxx) | **Y** | **Y** | **Y** |
| Easting | | Easting | **Y** | **Y** | **Y** |
| Northing | | Northing | **Y** | **Y** | **Y** |
| WatertypeID | | Water type identifier (refer to Water Type look-up table). | **Y** | **Y** | **Y** |
| LandtypeID | | Land type identifier (refer to Land Type look-up table). | **Y** | **Y** | **Y** |
| StatusID | | Status identifier (refer to Status look-up table). | **Y** | **Y** | **Y** |
| GEMSID | | Global Environmental Monitoring System (GEMS) identifier. | **Y** | **Y** | **Y** |
| EoIID | | Exchange of Information Directive identifier e.g. U16, where available. | **Y** | **Y** | **Y** |
| **Table River** | | | | | |
| RiverID | | River identifier (each river is assigned a number) | **Y** | **Y** | **Y** |
| River\_name | | Name of river | **Y** | **Y** | **Y** |
| **Table Region** | | | | | |
| RegionID | | Region identifier (each region is assigned a number) | **Y** | **Y** | **Y** |
| Region\_Name | | Text description of region e.g. South West, SEPA North, Northern Ireland | **Y** | **Y** | **Y** |
| **Table Water Type** | | | | | |
| WatertypeID | | Water type identifier (each water type is assigned a number) | **Y** | **Y** | **Y** |
| Watertype | | Description of water type e.g. Lake also river, borehole, reservoir | **Y** | **Y** | **Y** |
| **Table Land Type** | | | | | |
| LandtypeID | | Land type identifier (each land type is assigned a number) | **Y** | **Y** | **Y** |
| Landtype | | Description of land type e.g. Lowland arable | **Y** | **Y** | **Y** |
| **Table Status** | | | | | |
| StatusID | | Status identifier (each status is assigned a number) | **Y** | **Y** | **Y** |
| Status | | Description of status (either active or inactive) | **Y** | **Y** | **Y** |

### 

### Historic UK Water Quality Sampling Harmonised Monitoring Scheme Summary Data (AfA178)

**Description:**

The Historic UK Water Quality Sampling Harmonised Monitoring Scheme (HMS) data contains statistics for a series of water quality sampling sites including annual means, maximum and minimum values for each Region for specified determinands from 1980 to 2013.

The sampling network included 230 sites, mainly located at the tidal limits of major rivers or at the points of confluence of significant tributaries. The information held within the HMS includes data on: Oxygen and ammonia, Nutrients, List II metals and Pesticides. Annual mean concentrations have been calculated for each HMS site. The data show the annual averages of the site means in each region, with each site given equal weight irrespective of the number of samples taken - an average of all the samples would give a greater weight to the sites at which samples are most frequently taken. In order to give an indication of the range of values at different sites within each region, figures are also given for the maximum and minimum site mean for each region. The data also includes for the UK average, the 10th percentile and the 90th percentile of the site means for the whole of the UK. For each determinand in each year and the 10-percentile and the 90-percentile of the site means in each region.

The Harmonised Monitoring Scheme (HMS) was established to provide an archive of water quality data for the UK. It is used to provide information for international obligations, including the long-term trends of some determinands and the estimation of riverborne input of selected determinands to the sea.

The detailed dataset is covered in AfA255 Historic UK Water Quality Sampling Harmonised Monitoring Scheme detailed data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={41BE0184-2C68-465F-949B-977EFDD86AF7}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b41BE0184-2C68-465F-949B-977EFDD86AF7%7d)

**Update frequency**

Annual

**Supply frequency**

On request

**Third Party Prior Rights**

**Data Contact / Supply**

**Format Supplied**

MS Access database

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Dissolved Oxygen** | | | | |
| Average (mgl/O2) | Average of all annual site means in the region, each being given equal weight, irrespective of the number of samples taken. Values below the limit of detection have been equated to one half the detection limit. | **Y** | **Y** | **Y** |
| Highest site mean (mgl/O2) | Highest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| Lowest site mean (mgl/O2) | Lowest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| **Biological Oxygen Demand** | | | | |
| Average | Average of all annual site means in the region, each being given equal weight, irrespective of the number of samples taken. Values below the limit of detection have been equated to one half the detection limit. | **Y** | **Y** | **Y** |
| Highest site mean | Highest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| Lowest site mean | Lowest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| **Ammoniacal nitrogen** | | | | |
| Average (mgl/O2) | Average of all annual site means in the region, each being given equal weight, irrespective of the number of samples taken. Values below the limit of detection have been equated to one half the detection limit. | **Y** | **Y** | **Y** |
| Highest site mean (mgl/O2) | Highest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| Lowest site mean (mgl/O2) | Lowest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| **Concentrations of nitrates and orthophosphates by landscape type** | | | | |
| Annual averages - mg/l (NO3) | Average of all annual site means in the landscape type (Lowland Arable/Lowland Pastural), each site being given equal weight, irrespective of the number of samples taken. | **Y** | **Y** | **Y** |
| Annual averages - mg/l (P) | Average of all annual site means in the landscape type (Lowland Arable/Lowland Pastural), each site being given equal weight, irrespective of the number of samples taken. | **Y** | **Y** | **Y** |
| Number of Sites | Number of sampling sites by regions | **Y** | **Y** | **Y** |
| **Concentration of nitrates** | | | | |
| Average mg/l (NO3) | Average of all annual site means in the region, each being given equal weight, irrespective of the number of samples taken. Values below the limit of detection have been equated to one half the detection limit. | **Y** | **Y** | **Y** |
| Highest site mean mg/l (NO3) | Highest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| Lowest site mean mg/l (NO3) | Lowest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| **Concentration of orthophosphates** | | | | |
| Average mg/l (P) | Average of all annual site means in the region, each being given equal weight, irrespective of the number of samples taken. Values below the limit of detection have been equated to one half the detection limit. | **Y** | **Y** | **Y** |
| Highest site mean mg/l (P) | Highest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| Lowest site mean mg/l (P) | Lowest annual site mean of all sampling sites in the region. | **Y** | **Y** | **Y** |
| **Determinands of river water quality, by river location: 1980, 1990 and 1995 - 2005** | | | | |
| Temperature | Average annual temperature (Degrees C) | **Y** | **Y** | **Y** |
| pH | Annual mean pH. Values below the limit of detection have been equated to one half the detection limit. (pH Units) | **Y** | **Y** | **Y** |
| Conductivity | Annual mean conductivity. Values below the limit of detection have been equated to one half the detection limit. (US/cm) | **Y** | **Y** | **Y** |
| Suspended solids | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l) | **Y** | **Y** | **Y** |
| Ash (from suspended solids) | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l) | **Y** | **Y** | **Y** |
| Dissolved oxygen | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l O) | **Y** | **Y** | **Y** |
| Biochemical Oxygen Demand | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l O) | **Y** | **Y** | **Y** |
| Ammoniacal nitrogen | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l N) | **Y** | **Y** | **Y** |
| Nitrite | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l N) | **Y** | **Y** | **Y** |
| Nitrate | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l NO3) | **Y** | **Y** | **Y** |
| Chloride | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l Cl) | **Y** | **Y** | **Y** |
| Total alkalinity | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l CaCO3) | **Y** | **Y** | **Y** |
| Chlorophyll alpha | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l) | **Y** | **Y** | **Y** |
| Orthophosphate | Annual mean concentrations. Values below the limit of detection have been equated to one half the detection limit. (mg/l P) | **Y** | **Y** | **Y** |
| **Distribution of annual site mean concentrations of certain heavy metals in rivers: 1980 – 2005 [Zinc, Copper, Lead, Nickel, Chromium, Arsenic]** | | | | |
| 90th percentile | Annual site mean concentrations with values below the limit of detection equated to 0. | **Y** | **Y** | **Y** |
| Median | The number of HMS sites in each year monitoring each respective metal. | **Y** | **Y** | **Y** |
| 10th percentile | For each metal shown the 90 percentile, median, and 10 percentile of the annual site means of all HMS sites monitoring the metal in that year. | **Y** | **Y** | **Y** |
| Number of HMS Sites | Number of Harmonised Monitoring Scheme Sites | **Y** | **Y** | **Y** |

### Monitoring of Pesticides and Trace Organics in Water [1992 – 2008] (AfA197)

|  |
| --- |
| **Description**  A pesticide is defined under the Food and Environment Protection Act (1985) as “any substance, preparation or organism prepared or used for destroying any pest”. Pesticides include herbicides, fungicides, insecticides, molluscicides, rodenticides, growth regulators and masonry and timber preservatives. They are not confined to agriculture, but are also used on roads and rail tracks, in homes and gardens, as sheep dips, for the protection of public health, and for many other purposes.  The Agency’s monitoring for pesticides is guided by statutory requirements to monitor concentrations of specific pesticides listed in certain Directives.. We also undertake non-statutory monitoring of pesticides, when investigating known or predicted local problems and pollution incidents,  Trace Organics are organic compounds (including pesticides) detectable at low levels. As with pesticides, our monitoring of these substances is guided by statutory requirements.  The dataset contains information on all pesticides and trace organics monitored by the Environment Agency. Monitoring frequency varies between sites and years. Monitoring covers fresh and saline surface waters, groundwater, discharges, sediments and biota. Please note: Limits of detection vary between laboratories. The data is extracted from the Environment Agency’s Water Information Management System (WIMS).  Data is available for monitoring between 1992 and 2008. The dataset holds each year’s pesticides and trace organics monitoring data. Some sites are identified as being monitored for known or suspected contamination issues, so that they can be excluded for analysis of background levels. The layout of fields and tables varies from year to year.  Data for 2009 onwards is not available as a standalone dataset. It can be requested as an export from WIMS from the National Customer Contact Centre.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BC3A7129C-C510-4740-9FC1-863815B87F2C%7D>  **Update frequency**  N/A (Dataset no longer updated)  **Supply frequency**  One-off  **Third Party Prior Rights**  None  **Data Contact / Supply**  Data, Mapping, Modelling and Information (Data Team)  Available on DataShare  **Format Supplied**  Access Database  **Special Conditions**  None  **Information Warning**  Where this dataset indicates that a sample was taken in connection with a pollution incident or potential legal proceedings no inference should be drawn that landowners in the immediate vicinity of the sampling site had any responsibility.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Data** | | | | |
| Region Code | Environment Agency Region responsible for the sample. | **Y** | **Y** | **Y** |
| SPNT\_CODE | Unique identifier for a sampling point. | **Y** | **Y** | **Y** |
| Samp\_Date | Date on which a sample was taken. | **Y** | **Y** | **Y** |
| Samp\_Time | Time at which a sample was taken. | **Y** | **Y** | **Y** |
| Samp\_Type | Code for the type of sample (fresh water, ground water, marine water, sewage water effluent, trade effluent, sediment, biota). | **Y** | **Y** | **Y** |
| WIMS\_Purpose | Code categorising reason for taking the sample, such as Compliance Audit (Permit), Planned Investigation (Operational Monitoring), etc. | **Y** | **Y** | **Y** |
| Unique\_ID | Unique identifier for each site | **Y** | **Y** | **Y** |
| Det\_Code | Determinand sampled. | **Y** | **Y** | **Y** |
| Sign | Operator to identify “less than” results (‘<’ or null). | **Y** | **Y** | **Y** |
| Concn | Concentration of the determinand | **Y** | **Y** | **Y** |
| **Site Details** | | | | |
| SiteID | Unique identifier for a site. | **Y** | **Y** | **Y** |
| Region | Environment Agency Region responsible for the sample. | **Y** | **Y** | **Y** |
| Loc\_Title | (e.g. R SEVERN (TIDAL) 250M D/S LYDNEY OUTFALL) | **Y** | **Y** | **Y** |
| NGR\_MapRef | Ten figure grid reference but typically to eight figure accuracy and padded (ten metre square). e.g. SO8486044490. Some at higher or lower precision. | **Y** | **Y** | **Y** |
| Eastings | Six figure Eastings, typically to five figure accuracy | **Y** | **Y** | **Y** |
| Northings | Six figure Northings, typically to five figure accuracy | **Y** | **Y** | **Y** |
| EDMSID | Primary key for table. Compound of SiteID and Region | **Y** | **Y** | **Y** |
| **Determinands Conversion** | | | | |
| DETE\_CODE | Determinand code (from WIMS system) | **Y** | **Y** | **Y** |
| DET\_NAME | Name of determinand. | **Y** | **Y** | **Y** |
| CLASS | Class of determinand. Either P (pesticide) or O (trace organic). | **Y** | **Y** | **Y** |
| **Determinands** | | | | |
| DETE\_CODE | Determinand code (from WIMS system) | **Y** | **Y** | **Y** |
| DET\_DESC | Full determinand name. e.g. 4-CHLORO-2-METHYLPHENOL {P-CHLORO-O-CRESOL} | **Y** | **Y** | **Y** |
| CLASS | Class of determinand. Either P (pesticide) or O (trace organic). | **Y** | **Y** | **Y** |
| **Dirty Locations** | | | | |
| SPNT\_CODE\_DIRTY | WIMS sampling point code | **Y** | **Y** | **Y** |
| Region\_Code | EA Region code (abbreviation of Region name) | **Y** | **Y** | **Y** |
| Reasons | Reason for sample point being a dirty location.  Example: ‘WASTE DISPOSAL SITE’ based on opinion, and ‘eyeballed’, no objective methodology, freeform text. Suggest not approved). | **N** | **N** | **N** |
| **Dump Codes** | | | | |
| SPNT\_CODE\_DUMP | The presence of this record indicates that the Sample point is a ‘dump code’.  Sample reference points in this table refer to an area sampled rather a point. Grid references for these usually represent a complete grid square (e.g. ‘SP’) but will be recorded as a ten figure reference (e.g. SP0000000000). Some more specific NGRs are also present for some dump codes. | **Y** | **Y** | **Y** |
| Region\_Code | EA Region code (abbreviation of Region name) | **Y** | **Y** | **Y** |
| **TAPS Reason Codes** | | | | |
| PURP\_CODE | Reference code for why a sample was taken. | **Y** | **Y** | **Y** |
| TAPS Reason\_codes | Look up table identifying why the sample was taken (e.g. ‘Routine control Monitoring’, ‘Formal Sample’, ‘Potential Legal Proceedings’. Includes ‘Potential Legal Proceedings’ code, although there are no actual occurrences in the dataset. In combination with NGR, is this something we should release? | **Y** | **Y** | **Y** |
| **Purpose codes** | | | | |
| PURP\_CODE | Reference code for why a sample was taken. | **Y** | **Y** | **Y** |
| PURP\_DESC | Standard description of why a sample was taken. Examples: ‘MONITORING (NATIONAL AGENCY POLICY)’,  ‘WASTE MONITORING (OPERATOR SELF-MONITORING DATA)’,  ‘UNPLANNED REACTIVE MONITORING FORMAL (POLLUTION INCIDENTS)’,  ‘MONITORING (NATIONAL AGENCY POLICY)’ | **Y** | **Y** | **Y** |

### Permitted Waste Sites – Animal Disposal Site Boundaries (AfA076)

|  |
| --- |
| **Description**  Permitted Waste Sites – Animal Disposal Site Boundaries define the location of authorised landfill sites in England & Wales that have the potential to be  used in animal disease incidents for the disposal of carcasses.  The aim of the dataset is to assist during incidents like the Foot and Mouth incident when potential spread of disease or lack of incineration or rendering capacity make landfill a necessary disposal option. In such an incident the Data Intelligence Team requires a subset of the authorised landfill dataset distributed, with additional fields (average weekly input in tons and remaining capacity in cubic metres), to be available both internally (via I Drives/Easimap) and externally to partners such as Defra, Local Authorities and the police. This dataset will define which landfill sites are potentially suitable for carcass disposal and are currently known as the “Amber list” internally.  The dataset will be  developed from the “Amber list”, which is the list of non hazardous waste landfill sites that have the potential to be used in an animal disease incident to dispose of carcasses. These sites have been selected by a national team from our existing data bases.  The “Amber list” will be checked for final suitability by local Area staff at the beginning of an incident.  **Issues to Note**  In the case of emergency planning or in the handling of an emergency AV\_WK\_TONS can be released. These data **do not exist as a discrete dataset**, since these data are only quality assured by Area staff when an incident is reported the actual updates shall only be supplied at the start of an animal disease outbreak.  **AfA Category**  AfA (Information Requests only)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={2C91D584-4E0F-4987-9B09-54AE1055B311}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b2C91D584-4E0F-4987-9B09-54AE1055B311%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Available on DataShare for some user categories  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  In the case of emergency planning or in the handling of an incident these data can be released under a Copyright Statement and Disclaimer. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Polygon – digitised from maps provided from the landfill operator. | **Y** | **Y** | **Y** |
| FID | Feature identifier | **Y** | **Y** | **Y** |
| LIC\_IPPCR | Integrated Pollution Prevention and Control (IPPC) Reference Number | **Y** | **Y** | **Y** |
| LIC\_WML | Waste Management Licence Reference Number | **Y** | **Y** | **Y** |
| LIC\_NAME | Licence holder name | **Y** | **Y** | **Y** |
| LIC\_SITE | Facility Name | **Y** | **Y** | **Y** |
| SITE\_NAME | Name of site where facility is located | **Y** | **Y** | **Y** |
| SITE\_BUILD | Facility Address 1 (Building Name) | **Y** | **Y** | **Y** |
| SITE\_STRT | Facility Address 2 (Street Name) | **Y** | **Y** | **Y** |
| SITE\_AREA | Facility Address 3 (Area Name) | **Y** | **Y** | **Y** |
| SITE\_TOWN | Facility Address 4 (Town) | **Y** | **Y** | **Y** |
| SITE\_CNTY | Facility Address 5 (County) | **Y** | **Y** | **Y** |
| SITE\_PCODE | Facility Address 6 (Postcode) | **Y** | **Y** | **Y** |
| NGR | British National Grid Reference | **Y** | **Y** | **Y** |
| CTROID\_X | Landfill polygon centroid easting | **Y** | **Y** | **Y** |
| CTROID\_Y | Landfill polygon centroid northing | **Y** | **Y** | **Y** |
| AV\_WK\_TONS | The average weekly input in tonnes calculated from annual and quarterly returns received from the operator. This is included as a guide since only 5% of the total waste within a landfill may consist of animal corpses.  It is important to note that this information is not current and is included as a guide before verification from Area personnel before an incident. | **Y** | **N** | **N** |

### 

### Pollution Incidents Summary by Region year (AfA352)

|  |
| --- |
| **Description**  Summary statistics of incidents reported to the Environment Agency for a particular year.  It does not include incidents relating to:   * [Fisheries incidents](#_Fisheries_incidents_2) – for incidents involving illegal fishing and illegal fish movements, fish disease, fishery management activities and fish kills from non-pollution causes, including low flows and low dissolved oxygen. * [Water Resources incidents](#_Water_Resources_incidents_1) – for incidents involving the quantity of a water resource. * [Waterways incidents](#_Waterways_incidents_1) – for incidents on a waterway where we are the competent authority for navigation. * [Flood and Coastal Risk Management incidents](#_Flood_Risk_Management_1) – for incidents which involve actual or potential flooding and land drainage works on main river or where regional bylaws apply.   Incidents are included in the year in which the incident occurred (rather than when it was closed).  Only incidents where our investigations and response have been completed are included in summary reporting. Some incidents may take an extended period of months, or exceptionally years, to be completed.  The dataset only includes substantiated incidents and their environmental impact.  Substantiated incidents. These are where we have confirmation that the incident took place either by a visit from us or a partner organisation, or it is corroborated by other information.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA OpenData  **Metadata link**  [N/A](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0E9DBD8C-1B2C-4566-9A3D-7F10119B198A%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Overall summary of pollution incident results by Region, medium and incident category (tab 1)** | | | | |
| Medium |  | **Y** | **Y** | **Y** |
| Region |  | **Y** | **Y** | **Y** |
| Incident Category |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |

### 

### Pollution Incidents Summary by Source year (AfA353)

|  |
| --- |
| **Description**  Summary statistics of incidents reported to the Environment Agency for a particular year.  It does not include incidents relating to:   * [Fisheries incidents](#_Fisheries_incidents_2) – for incidents involving illegal fishing and illegal fish movements, fish disease, fishery management activities and fish kills from non-pollution causes, including low flows and low dissolved oxygen. * [Water Resources incidents](#_Water_Resources_incidents_1) – for incidents involving the quantity of a water resource. * [Waterways incidents](#_Waterways_incidents_1) – for incidents on a waterway where we are the competent authority for navigation. * [Flood and Coastal Risk Management incidents](#_Flood_Risk_Management_1) – for incidents which involve actual or potential flooding and land drainage works on main river or where regional bylaws apply.   Incidents are included in the year in which the incident occurred (rather than when it was closed).  Only incidents where our investigations and response have been completed are included in summary reporting. Some incidents may take an extended period of months, or exceptionally years, to be completed.  The dataset only includes substantiated incidents and their environmental impact.  Substantiated incidents. These are where we have confirmation that the incident took place either by a visit from us or a partner organisation, or it is corroborated by other information.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA OpenData  **Metadata link**  [N/A](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0E9DBD8C-1B2C-4566-9A3D-7F10119B198A%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Incidents Summary by Region year (tab 2)** | | | | |
| Incident Category |  | **Y** | **Y** | **Y** |
| Region |  | **Y** | **Y** | **Y** |
| Source |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Further details of results by source (tab 7)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Incident Category |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents where source is from Agriculture (tab 8)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents where source is domestic and residential (tab 9)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents where source is from industry (tab 10)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents where source is from the sewage and water industry (tab 11)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents where source is from the sewage and water industry, by region (tab 12)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents where source is from transport (tab 13)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents where source is from waste management faciltities (tab 14)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents from other source (tab 15)** | | | | |
| Source |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |

### Pollution Incidents Summary by Pollutant year (AfA354)

|  |
| --- |
| **Description**  Summary statistics of incidents reported to the Environment Agency for a particular year.  It does not include incidents relating to:   * [Fisheries incidents](#_Fisheries_incidents_2) – for incidents involving illegal fishing and illegal fish movements, fish disease, fishery management activities and fish kills from non-pollution causes, including low flows and low dissolved oxygen. * [Water Resources incidents](#_Water_Resources_incidents_1) – for incidents involving the quantity of a water resource. * [Waterways incidents](#_Waterways_incidents_1) – for incidents on a waterway where we are the competent authority for navigation. * [Flood and Coastal Risk Management incidents](#_Flood_Risk_Management_1) – for incidents which involve actual or potential flooding and land drainage works on main river or where regional bylaws apply.   Incidents are included in the year in which the incident occurred (rather than when it was closed).  Only incidents where our investigations and response have been completed are included in summary reporting. Some incidents may take an extended period of months, or exceptionally years, to be completed.  The dataset only includes substantiated incidents and their environmental impact.  Substantiated incidents. These are where we have confirmation that the incident took place either by a visit from us or a partner organisation, or it is corroborated by other information.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA OpenData  **Metadata link**  [N/A](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0E9DBD8C-1B2C-4566-9A3D-7F10119B198A%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Incident results by the type of pollutant (tab 3)** | | | | |
| Incident Category |  | **Y** | **Y** | **Y** |
| Region |  | **Y** | **Y** | **Y** |
| Pollutant |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Further details of results by pollutant (tab 16)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Incident Categories |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents with organic material pollutant (tab 17)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents with fuel and oil pollutant (tab 18)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents with chemical pollutant (tab 19)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents with sewage pollutant (tab 20)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents with inert pollutant (tab 21)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents with specific waste pollutant (tab 22)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Incidents with other pollutant (tab 23)** | | | | |
| Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |

### Pollution Incidents Summary by Cause year (AfA355)

|  |
| --- |
| **Description**  Summary statistics of incidents reported to the Environment Agency for a particular year.  It does not include incidents relating to:   * [Fisheries incidents](#_Fisheries_incidents_2) – for incidents involving illegal fishing and illegal fish movements, fish disease, fishery management activities and fish kills from non-pollution causes, including low flows and low dissolved oxygen. * [Water Resources incidents](#_Water_Resources_incidents_1) – for incidents involving the quantity of a water resource. * [Waterways incidents](#_Waterways_incidents_1) – for incidents on a waterway where we are the competent authority for navigation. * [Flood and Coastal Risk Management incidents](#_Flood_Risk_Management_1) – for incidents which involve actual or potential flooding and land drainage works on main river or where regional bylaws apply.   Incidents are included in the year in which the incident occurred (rather than when it was closed).  Only incidents where our investigations and response have been completed are included in summary reporting. Some incidents may take an extended period of months, or exceptionally years, to be completed.  The dataset only includes substantiated incidents and their environmental impact.  Substantiated incidents. These are where we have confirmation that the incident took place either by a visit from us or a partner organisation, or it is corroborated by other information.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA OpenData  **Metadata link**  [N/A](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0E9DBD8C-1B2C-4566-9A3D-7F10119B198A%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Incident results by the cause of incident (tab 4)** | | | | |
| Incident Categories |  | **Y** | **Y** | **Y** |
| Region |  | **Y** | **Y** | **Y** |
| Cause |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |
| **Further details of results by cause (tab 24)** | | | | |
| Cause |  | **Y** | **Y** | **Y** |
| Incident Categories |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |

### Pollution Incidents Summary by EA Impact year (AfA356)

|  |
| --- |
| **Description**  Summary statistics of incidents reported to the Environment Agency for a particular year.  It does not include incidents relating to:   * [Fisheries incidents](#_Fisheries_incidents_2) – for incidents involving illegal fishing and illegal fish movements, fish disease, fishery management activities and fish kills from non-pollution causes, including low flows and low dissolved oxygen. * [Water Resources incidents](#_Water_Resources_incidents_1) – for incidents involving the quantity of a water resource. * [Waterways incidents](#_Waterways_incidents_1) – for incidents on a waterway where we are the competent authority for navigation. * [Flood and Coastal Risk Management incidents](#_Flood_Risk_Management_1) – for incidents which involve actual or potential flooding and land drainage works on main river or where regional bylaws apply.   Incidents are included in the year in which the incident occurred (rather than when it was closed).  Only incidents where our investigations and response have been completed are included in summary reporting. Some incidents may take an extended period of months, or exceptionally years, to be completed.  The dataset only includes substantiated incidents and their environmental impact.  Substantiated incidents. These are where we have confirmation that the incident took place either by a visit from us or a partner organisation, or it is corroborated by other information.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA OpenData  **Metadata link**  [N/A](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0E9DBD8C-1B2C-4566-9A3D-7F10119B198A%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Incident results by the level of impact on the Agency (tab 5)** | | | | |
| Incident Categories |  | **Y** | **Y** | **Y** |
| Region |  | **Y** | **Y** | **Y** |
| EA Impact |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |

### Pollution Incidents Summary year (AfA357)

|  |
| --- |
| **Description**  Summary statistics of incidents reported to the Environment Agency for a particular year.  It does not include incidents relating to:   * [Fisheries incidents](#_Fisheries_incidents_2) – for incidents involving illegal fishing and illegal fish movements, fish disease, fishery management activities and fish kills from non-pollution causes, including low flows and low dissolved oxygen. * [Water Resources incidents](#_Water_Resources_incidents_1) – for incidents involving the quantity of a water resource. * [Waterways incidents](#_Waterways_incidents_1) – for incidents on a waterway where we are the competent authority for navigation. * [Flood and Coastal Risk Management incidents](#_Flood_Risk_Management_1) – for incidents which involve actual or potential flooding and land drainage works on main river or where regional bylaws apply.   Incidents are included in the year in which the incident occurred (rather than when it was closed).  Only incidents where our investigations and response have been completed are included in summary reporting. Some incidents may take an extended period of months, or exceptionally years, to be completed.  The dataset only includes substantiated incidents and their environmental impact.  Substantiated incidents. These are where we have confirmation that the incident took place either by a visit from us or a partner organisation, or it is corroborated by other information.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA OpenData  **Metadata link**  [N/A](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0E9DBD8C-1B2C-4566-9A3D-7F10119B198A%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Summary of category 1 and 2 incidents to water, air and land (tab 6)** | | | | |
| Source/ Cause/ Pollutant |  | **Y** | **Y** | **Y** |
| Medium |  | **Y** | **Y** | **Y** |
| Number of Incidents |  | **Y** | **Y** | **Y** |

### Sensitive Areas – Eutrophic (AfA249)

|  |
| --- |
| **Description**  This dataset consists of 3 shapefiles showing the extent of Urban Wastewater Treatment Directive (91/271/EEC) (**UWWTD**) sensitive areas (eutrophic) in England and Wales.  The UWWTD describes eutrophication as ‘the enrichment of water by nutrients, especially compounds of nitrogen and/or phosphorous, causing an accelerated growth of algae and higher forms of plant life to produce an undesirable disturbance to the balance of organisms present in the water and to the quality of the water concerned’.  The UWWTD regulates the collection and treatment of waste water from homes and from industry. In the UK, the Directive is implemented through the Urban Wastewater Treatment Regulations 1994.  Under these Regulations, water bodies that are (or may soon become) eutrophic should be designated as sensitive areas by Defra or by Welsh Government as appropriate. This applies to still fresh waters, rivers, estuaries and coastal waters.  This dataset consists of:   * *RiverEutrophicSAs10012012.shp* - shows rivers currently designated as UWWTD eutrophic sensitive areas * *LakesEutrophic10012012.shp* - shows lakes currently designated as UWWTD eutrophic sensitive areas * *CoastalEutrophicSAs10012012.shp* - shows harbours and estuaries currently designated as UWWTD eutrophic sensitive areas   Some of this data is Natural Resources Wales Open Data.  **Issues to Note**  This dataset contains only eutrophic UWWTD sensitive areas. Nitrate, Bathing Water and Shellfish Water UWWTD sensitive areas exist as separate datasets.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={DD452909-BD94-4550-85C2-559B9E610C20}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bDD452909-BD94-4550-85C2-559B9E610C20%7d)  **Update frequency**  Four-yearly  **Supply frequency**  As produced  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  National Data Team  Available on DataShare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning:**  N/A.  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Shapefile of Sensitive Rivers – Eutrophic (RiverEutrophicSAs10012012.shp)** | | | | |
| Shapefile |  | **Y** | **Y** | **Y** |
| FID | Primary key | **Y** | **Y** | **Y** |
| Shape | Type of dataset | **Y** | **Y** | **Y** |
| Type\_of\_SA | Type of Sensitive Area. SA(e) = eutrophic. | **Y** | **Y** | **Y** |
| DateDesign | Date of designation of sensitive area | **Y** | **Y** | **Y** |
| Name | Name of sensitive area | **Y** | **Y** | **Y** |
| UWWTD\_Code | Reference code(s) for sensitive area, as reported under UWWTD Article 15. | **Y** | **Y** | **Y** |
| Length\_KM | Length of sensitive area in kilometres | **Y** | **Y** | **Y** |
| Phosphate | Area is sensitive to phosphates | **Y** | **Y** | **Y** |
| Nitrate | Area is sensitive to nitrates | **Y** | **Y** | **Y** |
| **Shapefile of Sensitive Lakes – Eutrophic (LakesEutrophic10012012.shp)** | | | | |
| Shapefile |  | **Y** | **Y** | **Y** |
| FID | Primary key | **Y** | **Y** | **Y** |
| Shape | Type of dataset | **Y** | **Y** | **Y** |
| Type\_of\_SA | Type of Sensitive Area. SA(e) = eutrophic. | **Y** | **Y** | **Y** |
| DateDesign | Date of designation of sensitive area | **Y** | **Y** | **Y** |
| Name | Name of sensitive area | **Y** | **Y** | **Y** |
| UWWTD\_Code | Reference code(s) for sensitive area, as reported under UWWTD Article 15. | **Y** | **Y** | **Y** |
| shape\_Area | Area of sensitive area in square kilometres | **Y** | **Y** | **Y** |
| Phosphate | Area is sensitive to phosphates | **Y** | **Y** | **Y** |
| Nitrate | Area is sensitive to nitrates | **Y** | **Y** | **Y** |
| **Shapefile of Sensitive Coastal Areas – Eutrophic (CoastalEutrophicSAs10012012.shp)** | | | | |
| Shapefile |  | **Y** | **Y** | **Y** |
| FID | Primary key | **Y** | **Y** | **Y** |
| Shape | Type of dataset | **Y** | **Y** | **Y** |
| Type | Type of Sensitive Area. SA(e) = eutrophic. | **Y** | **Y** | **Y** |
| DateDesign | Date of designation of sensitive area | **Y** | **Y** | **Y** |
| Name | Name of sensitive area | **Y** | **Y** | **Y** |
| UWWTD\_Code | Reference code(s) for sensitive area, as reported under UWWTD Article 15. | **Y** | **Y** | **Y** |
| shape\_Area | Area of sensitive area in square kilometres | **Y** | **Y** | **Y** |
| Phosphate | Area is sensitive to phosphates | **Y** | **Y** | **Y** |
| Nitrate | Area is sensitive to nitrates | **Y** | **Y** | **Y** |

### 

### Sensitive Areas – Nitrates (AfA251)

|  |
| --- |
| **Description**  This dataset is a shapefile showing the extent of UWWTD sensitive areas (nitrate) in England and Wales.  The Urban Wastewater Treatment Directive (91/271/EEC) regulates the collection and treatment of waste water from homes and from industry. In the UK, the directive is implemented through the Urban Wastewater Treatment regulations 1994.  Under these regulations, water bodies that are used as sources for drinking water and which have high nitrate concentrations (as defined by Council Directive 75/440/EEC of 16th June 1975) should be designated as sensitive areas by Defra or by Welsh Government as appropriate.  This dataset consists of:   * RiverNitrateSAs10012012.shp - shows rivers currently designated as UWWTD nitrate sensitive areas   **Issues to Note**  This dataset contains only nitrate UWWTD sensitive areas. Eutrophic, Bathing Water and Shellfish Water UWWTD sensitive areas exist as separate datasets.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={980F02B6-2168-49EC-97A2-F9738F9E60D2}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b980F02B6-2168-49EC-97A2-F9738F9E60D2%7d)  **Update frequency**  Four-yearly  **Supply frequency**  As produced  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  National Data Team  Available on DataShare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning:**  N/A.  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Shapefile of Sensitive Areas – Nitrates (RiverNitrateSAs10012012.shp)** | | | | |
| shapefile |  | **Y** | **Y** | **Y** |
| FID | Primary key | **Y** | **Y** | **Y** |
| Shape | Type of dataset | **Y** | **Y** | **Y** |
| Type\_of\_SA | Type of Sensitive Area. SA\_N = Nitrate | **Y** | **Y** | **Y** |
| DateDesign | Date of designation of sensitive area | **Y** | **Y** | **Y** |
| Name | Name of sensitive area | **Y** | **Y** | **Y** |
| Length\_KM | Length of sensitive area in kilometres | **Y** | **Y** | **Y** |
| UWWTD\_Code | Reference code(s) for sensitive area, as reported under UWWTD Article 15. | **Y** | **Y** | **Y** |
| DateDesign | Date of designation of sensitive area | **Y** | **Y** | **Y** |
| Name | Name of sensitive area | **Y** | **Y** | **Y** |
| UWWTD\_Code | Reference code(s) for sensitive area, as reported under UWWTD Article 15. | **Y** | **Y** | **Y** |
| shape\_Area | Area of sensitive area in square kilometres | **Y** | **Y** | **Y** |

### Surface Water Temperature Archive up to 2007 (AfA214)

|  |
| --- |
| **Description**  Water temperature data is collected and stored by the Environment Agency for different reasons and in different locations. Time series of surface water temperatures can provide indicators of climate change and associated ecological responses. An archive was created in 2007 as part of a research project (SC070035), and is a unique collation of the Environment Agency’s water temperature data from more than 30,000 sites across England & Wales. The archive contains water temperature data (up to 2007) and site metadata. Most sites have records starting from the 1980s. The water temperature data are available in two main types; spot samples from routine monitoring (e.g. monthly) and high resolution samples (e.g. every 15 minutes). The database was created using Microsoft Access 2003 but has a simple query based front end. As part of the science project about 1 in 10 sites were analysed to assess trends, and images of these graphs are embedded within the archive and linked to sites for information. The archive can be interrogated to find out where water temperature data exist, how frequently sampling occurs and the length of each record. In addition, sites have information about water body type e.g. river, lake or canal.  This dataset is available on DVD.  **Issues to Note**  Need to ensure data users are made aware that:   * Site Operator means ‘monitoring organisation’. * Source Info – relates to the time the information was provided.   **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={4D6654A4-1FA8-4380-8D55-4874BFE0E575}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b4D6654A4-1FA8-4380-8D55-4874BFE0E575%7d)  **Update frequency**  No planned updates  **Supply frequency**  One-off. This is a closed dataset.  **Third Party Prior Rights**  None  **Data Contact / Supply**  Climate Change Team, Research, Monitoring & Innovation, Evidence Directorate.  Available on DataShare  **Format Supplied**  Access database on DVD.  **Special Conditions**  No  **Information Warning**  Need to ensure data users are made aware that:   * Site Operator means ‘monitoring organisation’. * Source Info – relates to the time the information was provided.   **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **SiteInfo (Site Information)** | | | | |
| siteID | unique site code | **Y** | **Y** | **Y** |
| siteName | site name (descriptive of site location) | **Y** | **Y** | **Y** |
| siteX | OS easting (m) (read off map by sampler or similar) | **Y** | **Y** | **Y** |
| siteY | OS northing (m) (read off map by sampler or similar) | **Y** | **Y** | **Y** |
| siteZ | site elevation (m) source unclear, but third party ip avoided. | **Y** | **Y** | **Y** |
| operatorCode | unique code for the monitoring organisation (always EA, except for three references to third parties for which we hold no address details or data.) | **Y** | **Y** | **Y** |
| siteType | site type (river, canal, drain, lake, transitional (estuaries and saline lagoons), coastal etc) | **Y** | **Y** | **Y** |
| siteComment | site comment (there is only one type which is ‘TIMS FWSITE’ which indicates a freshwater rather than salt water site on the Thames) | **Y** | **Y** | **Y** |
| **OperatorInfo (Organisations which monitor water temperature)** | | | | |
| operatorCode | operator code | **Y** | **Y** | **Y** |
| operatorDesc | operator description | **Y** | **Y** | **Y** |
| **sourceInfo (Details of the contacts who provided information)** | | | | |
| sourceCode | unique code for source | **Y** | **Y** | **Y** |
| sourceDesc | description of source(four ea sources, three external where metadata was provided for a few sites ) details sent by email | **Y** | **Y** | **Y** |
| sourceContact | contact person | **N** | **N** | **N** |
| sourceAddr | contact address | **N** | **N** | **N** |
| sourceTel | contact telephone | **N** | **N** | **N** |
| sourceEmail | contact email | **N** | **N** | **N** |
| sourceURL | URL for source | **Y** | **Y** | **Y** |
| **regionInfo (Basic reference details of EA Regions)** | | | | |
| regionCode | unique region code | **Y** | **Y** | **Y** |
| regionName | EA region name (at the time information supplied) | **Y** | **Y** | **Y** |
| regionAddr | EA regional office (at the time information supplied) | **Y** | **Y** | **Y** |
| **metaData (Detailed info on each monitoring site and its data)** | | | | |
| siteID | unique site ID | **Y** | **Y** | **Y** |
| startDate | start date of site data | **Y** | **Y** | **Y** |
| endDate | end date of site data | **Y** | **Y** | **Y** |
| dataCount | number of data records | **Y** | **Y** | **Y** |
| detCode | determinand code | **Y** | **Y** | **Y** |
| sourceCode | source code | **Y** | **Y** | **Y** |
| WIMS\_REGION | region according to WIMS | **Y** | **Y** | **Y** |
| WIMS\_SPT\_DESC | site type according to WIMS e.g.   * FRESHWATER – UNSPECIFIED * FRESHWATER - NON CLASSIFIED RIVER POINTS * FRESHWATER - CANALS - NON CLASSIFIED * FRESHWATER - LAKES/PONDS/RESERVOIRS * FRESHWATER - COMPARATIVE INLET POINTS | **Y** | **Y** | **Y** |
| EA\_REGION | EA admin region (at the time information supplied) | **Y** | **Y** | **Y** |
| EA\_AREA | EA admin area (at the time information supplied) | **Y** | **Y** | **Y** |
| EA\_WM\_REGION | EA water management region (at the time information supplied) | **Y** | **Y** | **Y** |
| EA\_WM\_AREA | EA water management area (at the time information supplied) | **Y** | **Y** | **Y** |
| EA\_RBD | EA River Basin District no (at the time information supplied) | **Y** | **Y** | **Y** |
| EA\_WB\_ID\_COAST | EA coastal waterbody code | **Y** | **Y** | **Y** |
| EA\_WB\_ID\_TRANS | EA transitional waterbody code | **Y** | **Y** | **Y** |
| EA\_WB\_ID\_LAKES | EA lakes waterbody code | **Y** | **Y** | **Y** |
| EA\_WB\_ID\_RCATS | EA river catchment waterbody code | **Y** | **Y** | **Y** |
| EA\_WB\_ID\_GWATR | EA groundwater waterbody code (reference to underlying aquifer) | **Y** | **Y** | **Y** |
| 10KM\_SQ | OS 10KM grid square | **Y** | **Y** | **Y** |
| EA\_BFI\_ID | BFI record ID | **Y** | **Y** | **Y** |
| EA\_SALMON | EA salmon river (Y/N) | **Y** | **Y** | **Y** |
| **detInfo (Basic info for determinands)** | | | | |
| detCode | determinand code (always 76, i.e. water temperature) | **Y** | **Y** | **Y** |
| detDesc | determinand description | **Y** | **Y** | **Y** |
| detComment | determinand comment (only 7 comments e.g. “Automatic station data (EA WISKI data) (usually 15 minute), SONTEK sonde” comments only provided where samples are more frequent than fortnightly) | **Y** | **Y** | **Y** |
| **Data0 (Main results data)** | | | | |
| id | unique record ID | **Y** | **Y** | **Y** |
| siteID | site ID | **Y** | **Y** | **Y** |
| sampleID | sample ID where given | **Y** | **Y** | **Y** |
| sampleDate | sample date | **Y** | **Y** | **Y** |
| sampleTime | sample time | **Y** | **Y** | **Y** |
| detCode | determinand code | **Y** | **Y** | **Y** |
| detResult | determinand value | **Y** | **Y** | **Y** |
| sampleComment | sample comment (nearly all lines are blank a few say: “RIVER / RUNNING SURFACE WATER”) (custodian has checked through) | **Y** | **Y** | **Y** |
| sourceCode | source code | **Y** | **Y** | **Y** |
| sampleFlag | sample flag (WISKI) | **Y** | **Y** | **Y** |
| **bcatchment\_BFI (Summarised baseflow index information for each subcatchment)** | | | | |
| BFI\_ID | unique record ID | **Y** | **Y** | **Y** |
| siteID | site ID | **Y** | **Y** | **Y** |
| MinOfBFISUB | minimum BFI value (what | **Y** | **Y** | **Y** |
| MaxOfBFISUB | maximum BFI value | **Y** | **Y** | **Y** |
| AvgOfBFISUB | average BFI value | **Y** | **Y** | **Y** |
| CountOfBFISUB | number of BFI values used | **Y** | **Y** | **Y** |
| **files (details of embedded pdf timeseries plots for some sites)** | | | | |
| ID | File ID | **Y** | **Y** | **Y** |
| ea\_region | EA Region | **Y** | **Y** | **Y** |
| siteID | Site ID | **Y** | **Y** | **Y** |
| time\_series\_png | Image file of timeseries plot | **Y** | **Y** | **Y** |
| level\_plot\_png | Image file of level plot | **Y** | **Y** | **Y** |
| model\_plot\_png | Image file of model plot | **Y** | **Y** | **Y** |
| time\_series\_pdf | PDF file of timeseries plot | **Y** | **Y** | **Y** |
| level\_plot\_pdf | PDF file of level plot | **Y** | **Y** | **Y** |
| model\_plot\_pdf | PDF file of model plot | **Y** | **Y** | **Y** |
| **Typology\_coastal (typology information)** | | | | |
| EA\_WB\_ID |  | **Y** | **Y** | **Y** |
| EU\_CD |  | **Y** | **Y** | **Y** |
| NAME |  | **Y** | **Y** | **Y** |
| MS-CD |  | **Y** | **Y** | **Y** |
| typology\_coastal –REGION\_CD |  | **Y** | **Y** | **Y** |
| PRINC\_CD |  | **Y** | **Y** | **Y** |
| typology\_coastal –BASIN\_CD |  | **Y** | **Y** | **Y** |
| INS\_WHEN |  | **Y** | **Y** | **Y** |
| INS\_BY |  | **Y** | **Y** | **Y** |
| STATUS\_YR |  | **Y** | **Y** | **Y** |
| RDA\_CD |  | **Y** | **Y** | **Y** |
| EA\_REG\_CD |  | **Y** | **Y** | **Y** |
| EA\_AREA\_CD |  | **Y** | **Y** | **Y** |
| PROT\_AREAS |  | **Y** | **Y** | **Y** |
| PARENTAGE |  | **Y** | **Y** | **Y** |
| MAJOR |  | **Y** | **Y** | **Y** |
| LONGITUDE |  | **Y** | **Y** | **Y** |
| LATITUDE |  | **Y** | **Y** | **Y** |
| SYSTEM\_CD |  | **Y** | **Y** | **Y** |
| MODIFIED |  | **Y** | **Y** | **Y** |
| ARTIFICIAL |  | **Y** | **Y** | **Y** |
| SALINITY |  | **Y** | **Y** | **Y** |
| DEPTH\_CAT |  | **Y** | **Y** | **Y** |
| TIDAL |  | **Y** | **Y** | **Y** |
| TYPE |  | **Y** | **Y** | **Y** |
| **Typology\_groundwater (typology information)** | | | | |
| as above lines |  | **Y** | **Y** | **Y** |
| HORIZON |  | **Y** | **Y** | **Y** |
| AQUIFER |  | **Y** | **Y** | **Y** |
| **Typology\_lakes (typology information)** | | | | |
| as above lines |  | **Y** | **Y** | **Y** |
| GW\_WB\_LINK |  | **Y** | **Y** | **Y** |
| DSTREAM\_WB |  | **Y** | **Y** | **Y** |
| ALT\_CAT |  | **Y** | **Y** | **Y** |
| GEOL\_CAT |  | **Y** | **Y** | **Y** |
| GEOL\_CONF |  | **Y** | **Y** | **Y** |
| DEPTH\_CAT |  | **Y** | **Y** | **Y** |
| DEPTH\_CONF |  | **Y** | **Y** | **Y** |
| WB\_ID |  | **Y** | **Y** | **Y** |
| TYPE |  | **Y** | **Y** | **Y** |
| **Typology\_river -catchments (typology information)** | | | | |
| as above lines |  | **Y** | **Y** | **Y** |
| ALT\_CAT |  | **Y** | **Y** | **Y** |
| GEOL\_CAT |  | **Y** | **Y** | **Y** |
| SIZE\_CAT |  | **Y** | **Y** | **Y** |
| CATCH\_SIZE |  | **Y** | **Y** | **Y** |
| TYPE |  | **Y** | **Y** | **Y** |
| **Typology\_transitional (typology information)** | | | | |
| as above lines |  | **Y** | **Y** | **Y** |
| WIDTH |  | **Y** | **Y** | **Y** |
| AREA |  | **Y** | **Y** | **Y** |
| TIDAL |  | **Y** | **Y** | **Y** |
| TYPE |  | **Y** | **Y** | **Y** |

### Trent River Basin District (RBD) SIMCAT Water Quality Modelling dataset (AfA204)

|  |
| --- |
| **Description**  SIMCAT (Simulated Catchment Model) is a mathematical model that calculates the quality of river water throughout a catchment. Used extensively by the Environment Agency for setting consents to discharge. SIMCAT model comprises of the SIMCAT software and National Model database  The River Trent River Basin District SIMCAT model is one of a number of regional SIMCAT models which have been developed. This AfA form relates to the Water Quality Modelling dataset for this regional model.  The data is in the form of three text files:  FinalMode6.dat  FINALMODE6.FCL  FINALMODE6.QCL  The three files are required in order to complete scenario modelling in SIMCAT.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BA13E59AB-D2E3-461F-882E-841F6E5BA05D%7D  **Update frequency**  No updates  **Supply frequency**  One-off supply  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Text files.  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| National SIMCAT Model Geodatabases | These geodatabases were used as the starting point for the Trent RBD Model in terms of model features. Although not specifically updated in the Trent RBD model, the National models included sections of Anglian impacting on the Humber River Basin District. Certain abstraction volume details were also taken from the original models. | **N** | **N** | **N** |
| Midlands list of features | A spreadsheet list of features including sample points, discharges, flow gauges, abstractions, watercourses etc to be included in the final model |  |  |  |
| River Flow Data | Flow data was provided from 62 EA Midlands flow gauges. Mean, Q95 and minimum flows were calculated from this dataset for inclusion in the final .dat file. |  |  |  |
| Effluent Flow Data | Flow data provided by Severn Trent Water for 278 of the 327 Midlands sewage treatment works included in the final model. Mean, standard deviation and Q80 flows were calculated from this dataset for inclusion in the final .dat file. |  |  |  |
| Consented effluent data | Where measured flow or quality data was not available for certain discharges, the mean and standard deviation statistics were calculated from the relevant discharges permits. This data was included in the final .dat file. |  |  |  |
| Abstraction data | Measured abstraction data was provided for 69 sites included in the model. Mean and hands off flow data was derived and included in the final .dat file. |  |  |  |
| Licensed abstraction data | Where measured abstraction data was not available for certain locations, the mean and standard deviation statistics were calculated from the relevant permits. This data was included in the final .dat file. |  |  |  |
| Effluent quality data | Effluent quality data downloaded from the WIMS archive and supplied for inclusion in the model. Data supplied for 376 discharge sites and mean and standard deviation figures derived for inclusion in the final .dat file. |  |  |  |
| River quality data | River quality data downloaded from the WIMS archive and supplied for inclusion in the model. Data supplied for 688 discharge sites and mean and standard deviation figures derived for inclusion in the final .dat file. |  |  |  |
| Diffuse flows | No data was provided for this model input although it is believed that the National SIMCAT Geodatabases formed the basis for the Naturalised flow estimates used to calculate the diffuse flow inputs. These estimates would have originated in LowFlows2000 but would have been used in combination with measured discharge, abstraction and flow gauge data to provide a calculation of the diffuse flow inputs. These calculated flows may have been further removed from the flow estimates by manipulation to enable good calibration with the downstream flow gauges. |  |  |  |
| Headwater flows | These were assumed as a default value unless an upstream drainage area could be derived. Where an upstream area is derived, headwater flows could be calculted by WRc’s ‘Create SIMCAT Data File’ software. |  |  |  |

### 

### Water Quality Exemptions (AfA208)

|  |
| --- |
| **Description**  Certain activities are exempt from the need to have an environmental permit. In order to qualify for an exemption, the discharge or activity must meet certain criteria.  If the criteria cannot be met the customer will need to apply for a permit.  There is no fee for registration of an exempt activity.  There are 7 exemptions available:   * Domestic discharges of :   + 5m3 per day or less to surface water, existing before 6 April 2010   + 2m3 per day or less to ground water, existing before 6 April 2010   + 5m3 per day or less to surface water, starting on or after 6 April 2010   + 2m3 per day or less to ground water, starting on or after 6 April 2010 * Discharge to groundwater of small quantities of substances for scientific purposes as part of a specified groundwater remediation scheme * Discharge to groundwater of small quantities of substances for scientific purposes as part of a groundwater tracer test * Management of vegetation in or near inland freshwaters   This data is stored in WIMS and IR. WIMS holds the historic permits that were Discharge Consents, IR holds the new exemptions. Both data sources are combined into this one data set.  Supply is available as a shape file or database.  **Issues to Note**  **AfA Category**  AfA (Publication Scheme)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={83A0DCCC-D66B-47F3-A0F3-1530EC3BCD54}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b83A0DCCC-D66B-47F3-A0F3-1530EC3BCD54%7d)  **Update frequency**  The source databases are updated on a daily basis. For internal use only, this GIS layer is updated weekly.  **Supply frequency**  Quarterly  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Shapefile or database  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| PERM\_REF | permit reference number | **Y** | **Y** | **Y** |
| AG\_VERSION | EA Region | **Y** | **Y** | **Y** |
| AREA | Ea Area | **Y** | **Y** | **Y** |
| PAR\_DESC | Paragraph sub type | **Y** | **Y** | **Y** |
| PAR\_NO | Paragraph Number | **Y** | **Y** | **Y** |
| SUB\_METH | Method of application, internet, NCCC | **Y** | **Y** | **Y** |
| APP\_NAME | Applicant Name (the permit holder) | **Y** | **Y** | **N** |
| APP\_ADD1 | Full address of exemption holder | **Y** | **Y** | **N** |
| APP\_ADD2 |  | **Y** | **Y** | **N** |
| APP\_ADD3 |  | **Y** | **Y** | **N** |
| APP\_ADD4 |  | **Y** | **Y** | **N** |
| APP\_POSTCO |  | **Y** | **Y** | **N** |
| SITE\_NAME | full address of discharge site | **Y** | **Y** | **N** |
| SITE\_ADD1 |  | **Y** | **Y** | **N** |
| SITE\_ADD2 |  | **Y** | **Y** | **N** |
| SITE\_ADD3 |  | **Y** | **Y** | **N** |
| SITE\_ADD4 |  | **Y** | **Y** | **N** |
| SITE\_PCODE |  | **Y** | **Y** | **N** |
| EFFECTIVE | Effective date of the permit | **Y** | **Y** | **Y** |
| NGR | Grid reference location of the discharge site | **Y** | **Y** | **Y** |

### Water Quality Samples – Compliance Monitoring (AfA194)

|  |
| --- |
| **Description**  Water quality sampling is taken for the purpose of compliance monitoring for licences under Environmental Permit Regulations or other regulation. ‘Water Quality Samples’ hold the actual sampled result and do not show the compliance of a permit without further assessment and cross reference of the permit conditions.    This data is provided in calendar year cuts. Data on sampling site name, location and types are included for identification of sites and their type. Sample dates identify when the site was taken. Data on the purpose, determinand and sample material are provided in both code and descriptive formats    The results are provided to the greatest resolution as stored in our systems. There are instances where the result is greater or less than the limit of detection, these results are identified with greater or less than brackets.    The limitation of this data is that there may be other information such as site visits and other monitoring information taken in to consideration when assessing compliance, this is not included in this dataset.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  N/A  **Update frequency**  Daily  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  The results are provided to the greatest resolution as stored in our systems. There are instances where the result is greater or less than the limit of detection, these results are identified with greater or less than brackets.    The limitation of this data is that there may be other information such as site visits and other monitoring information taken in to consideration when assessing compliance, this is not included in this dataset.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| LONG\_NAME | Sample point name | **Y** | **Y** | **Y** |
| REGION | Environment Agency Region | **Y** | **Y** | **Y** |
| SMPT\_REF | Sample point reference | **Y** | **Y** | **Y** |
| X | Easting | **Y** | **Y** | **Y** |
| Y | Northing | **Y** | **Y** | **Y** |
| SMPT\_TYPE | Sample Point Type code | **Y** | **Y** | **Y** |
| SPT\_DESC | Sample point type description | **Y** | **Y** | **Y** |
| SIGN | Result sign | **Y** | **Y** | **Y** |
| RESULT | Measurement result | **Y** | **Y** | **Y** |
| UNITS | Result unit | **Y** | **Y** | **Y** |
| SAMPLE\_DATE | Sample date | **Y** | **Y** | **Y** |
| SAMPLE\_TIME | Sample time | **Y** | **Y** | **Y** |
| STATUS | Sample point status | **Y** | **Y** | **Y** |
| PURP\_CODE | Purpose code for the sample | **Y** | **Y** | **Y** |
| PURP\_DESCRIPTION | Purpose description for the sample | **Y** | **Y** | **Y** |
| SAMP\_ID | Sample ID | **Y** | **Y** | **Y** |
| DET\_CODE | Determinand Code | **Y** | **Y** | **Y** |
| DETE\_DESC | Determinand description | **Y** | **Y** | **Y** |
| MATERIAL\_CODE | Sample material code | **Y** | **Y** | **Y** |
| MATERIAL\_DESCRIPTION | Sample material description | **Y** | **Y** | **Y** |

# PROSECUTION AND ENFORCEMENT

### Angler Prosecutions Monthly (AfA427)

|  |
| --- |
| **Description**  The Angler Prosecution Monthly dataset contains a list of anglers prosecuted for illegal fishing activities.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BE7EE3FB1-D1CC-4991-AF15-C32D9E532442%7D>  **Update frequency**  Daily  **Supply frequency**  Monthly  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Microsoft Excel  **Special Conditions**  S155 Special Condition when supplying Angler Prosecutions Monthly  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Court | Magistrates’ Court | **Y** | **Y** | **Y** |
| Offender name | First name and surname | **Y** | **Y** | **Y** |
| Address | Address of the offender (town and street) | **Y** | **Y** | **Y** |
| Age | Age of the offender at the time of the hearing | **Y** | **Y** | **Y** |
| Hearing date | dd/mm/yyyy | **Y** | **Y** | **Y** |
| Offence Location | Where offence occurred. | **Y** | **Y** | **Y** |
| Nearest Town | Nearest town to where offence occurred | **Y** | **Y** | **Y** |
| Offence date | dd/mm/yyyy | **Y** | **Y** | **Y** |
| Offence | For example: Unlicensed fishing; preparing to fish with no licence | **Y** | **Y** | **Y** |
| Verdict | For example: Guilty; proof in absence | **Y** | **Y** | **Y** |
| Sentence | For example: Fined; conditional discharge 6 months | **Y** | **Y** | **Y** |
| Penalty | The sum of the fine (£), costs and victim surcharge | **Y** | **Y** | **Y** |

### Enforcement Action against Corporate Entities (AfA004)

|  |
| --- |
| **Description**  Prosecutions & formal cautions data,filtered to limit information to corporate entities only. Data available commences from 1/1/2000.  **Issues to Note**  The following fields entered on NED for the prosecution of corporate defendants have not been assessed for release under AfA: Offence period; Court; Solicitor; Costs awarded (if appropriate); Licence type and licence (if appropriate, e.g. environmental permit); No of TIC’s (if appropriate); Spent date; Comments (usually recording the victim surcharge amount or any additional penalty e.g. forfeiture order).  This dataset does not contain details of any formal cautions where those cautions are over 5 years old.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={7B4D647F-97DB-49AB-867A-BEE75C94F96B}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b7B4D647F-97DB-49AB-867A-BEE75C94F96B%7d%20)  **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Type of Action | Court case/caution | **Y** | **Y** | **Y** |
| Date of Action | Date of conviction or when caution signed | **Y** | **Y** | **Y** |
| Region | Agency region taking the action | **Y** | **Y** | **Y** |
| Organisation | Name of defendant company or other legal entity | **Y** | **Y** | **Y** |
| Registration Number | Company registration number if applicable | **Y** | **Y** | **Y** |
| Act | offence provision - name of Act or Statutory Instrument | **Y** | **Y** | **Y** |
| Section | offence provision - section of Act or Statutory Instrument | **Y** | **Y** | **Y** |
| Fine | If penalty was a fine, amount of fine | **Y** | **Y** | **Y** |
| Acquitted (yes/no) | Whether the defendant was acquitted of a charge | **N** | **N** | **N** |
| Penalty type | Type of penalty other than fine | **Y** | **Y** | **Y** |
| Defendant Address | Registered Address of Company. | **Y** | **Y** | **Y** |
| Polluting Site Address[[18]](#footnote-18) | **The site where the pollution originated, or an error/fault occurred such as breach of a licence condition - this can be the same as Event Address.** | **Y** | **Y** | **Y** |
| Event Address1 | **The place where the offence was committed - usually where the impact happened or where the error/fault occurred (depending on what the statute prescribes for the offence).  Caution: this does not necessarily mean that the owner of the property at this location committed an offence.** | **Y** | **Y** | **Y** |
| Description | A description of the circumstances which triggered a charge | **Y** | **Y** | **Y** |
| Event Reference | The National Incident Recording System (NIRS) event reference in the case of an incident or a serial number assigned by Regional Legal for non-NIRS events | **Y** | **Y** | **Y** |
| Agency Function | E.g., Fisheries, Flood Defence, Waste etc. | **Y** | **Y** | **Y** |
| Industry Sector | The industry sector to which the defendant belongs | **Y** | **Y** | **Y** |
| Impact (CICS) Water/Land/Air | Environmental impact: major, persistent, severe (CICS cat. 1); significant (CICS cat. 2); minor (CICS cat. 3); none (CICS cat. 4) | **Y** | **Y** | **Y** |
| Sub Category Name | Sub categorisation of offence type  e.g. Waste = fly tipping | **Y** | **Y** | **Y** |
| Appeal Lodged | Appeal lodged against conviction but not yet determined | **N** | **N** | **N** |
| Appeal Result - acquittal | Result of appeal (y/n) | **N** | **N** | **N** |
| Appeal Result - fine | New fine after appeal | **Y** | **Y** | **Y** |
| Appeal | New penalty type after appeal | **Y** | **Y** | **Y** |

### Proceeds of Crime Act Orders (AfA004)

|  |
| --- |
| **Description**  Orders under the Proceeds of Crime Act 2002 (PoCA).  The purpose of PoCA is the confiscation and payment to the State of benefits identified as proceeds of crime. The Environment Agency applies for confiscation orders post conviction and takes action to recover unlawful profits from illegal operators and low cost/poor quality concerns which undercut legitimate business.  Only finalised orders are included. Orders relating to individuals have been anonymised.  Information relating to Environment Agency Function and Offence is not routinely available in data entered before mid-2015.  **Issues to Note**  The following fields entered on NED for the prosecution of corporate defendants have not been assessed for release under AfA: Offence period; Court; Solicitor; Costs awarded (if appropriate); Licence type and licence (if appropriate, e.g. environmental permit); No of TIC’s (if appropriate); Spent date; Comments (usually recording the victim surcharge amount or any additional penalty e.g. forfeiture order).  This dataset does not contain details of any formal cautions where those cautions are over 5 years old.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Type of Action | Court case/caution | **Y** | **Y** | **Y** |
| Date of Action | Date of conviction or when caution signed | **Y** | **Y** | **Y** |
| Region | Agency region taking the action | **Y** | **Y** | **Y** |
| Organisation | Name of defendant company or other legal entity | **Y** | **Y** | **Y** |
| Registration Number | Company registration number if applicable | **Y** | **Y** | **Y** |
| Act | offence provision - name of Act or Statutory Instrument | **Y** | **Y** | **Y** |

### REGULATION

### 

### Battery Compliance Schemes (AfA332)

|  |
| --- |
| **Description**  Battery producer responsibility schemes which have registered with the Environment Agency under the Producer Responsibility Regulations for Batteries.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BE6A60F2D-BD1D-4A3B-958D-212CCB45817B%7D](%20http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BE6A60F2D-BD1D-4A3B-958D-212CCB45817B%7D%20%20)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Scheme Name |  | **Y** | **Y** | **Y** |
| Approval Number |  | **Y** | **Y** | **Y** |
| Address |  | **Y** | **Y** | **Y** |
| Contact (if applicable) |  | **Y** | **Y** | **Y** |
| Telephone |  | **Y** | **Y** | **Y** |
| Fax |  | **Y** | **Y** | **Y** |
| Email Address |  | **Y** | **Y** | **Y** |
| Website Address |  | **Y** | **Y** | **Y** |

### Battery Approved Exporters – Industrial and Automotive (AfA337)

|  |
| --- |
| **Description**  Treatment Operators / Exporters Approved for Industrial and Automotive/ Portable batteries, under the Producer Responsibility Regulations for Batteries 2009.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B5DDD7FD6-6DC4-48F0-B222-873F211E7DC6%7D](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B5DDD7FD6-6DC4-48F0-B222-873F211E7DC6%7D )  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Approving Agency | ‘Environment Agency’ in every case | **Y** | **Y** | **Y** |
| Company Name |  | **Y** | **Y** | **Y** |
| NPWD Code | Reference in EA system | **Y** | **Y** | **Y** |
| Company Registration No. |  | **Y** | **Y** | **Y** |
| Approval No. | Official Approval Number | **Y** | **Y** | **Y** |
| Approval Type | “Exporter” | **Y** | **Y** | **Y** |
| Battery Type | “Industrial and Automotive” | **Y** | **Y** | **Y** |
| Current Status | “Approved” | **Y** | **Y** | **Y** |
| Registered Office |  | **Y** | **Y** | **Y** |
| Telephone Number |  | **Y** | **Y** | **Y** |
| Status | “Approved” | **Y** | **Y** | **Y** |
| Effective From | Date of Approval | **Y** | **Y** | **Y** |

### Battery Approved Exporters - Portable (AfA336)

|  |
| --- |
| **Description**  Exporters Approved for Portable batteries, under the Producer Responsibility Regulations for Batteries 2009.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B9BC35323-4B13-40FF-B901-399C78AF3350%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Approving Agency | ‘Environment Agency’ in every case | **Y** | **Y** | **Y** |
| Company Name |  | **Y** | **Y** | **Y** |
| NPWD Code | Reference in EA system | **Y** | **Y** | **Y** |
| Company Registration No. |  | **Y** | **Y** | **Y** |
| Approval No. | Official Approval Number | **Y** | **Y** | **Y** |
| Approval Type | “Exporter” | **Y** | **Y** | **Y** |
| Battery Type | “Industrial and Automotive” | **Y** | **Y** | **Y** |
| Current Status | “Approved” | **Y** | **Y** | **Y** |
| Registered Office |  | **Y** | **Y** | **Y** |
| Telephone Number |  | **Y** | **Y** | **Y** |
| Status | “Approved” | **Y** | **Y** | **Y** |
| Effective From | Date of Approval | **Y** | **Y** | **Y** |

### Battery Producers – Environment Agency Public Register (AfA333)

|  |
| --- |
| **Description**  Battery producers who have registered with the Environment Agency (but not those who have registered with the Department for Business, Innovation and Skills) under the Producer Responsibility Regulations for Batteries.  Excludes Scheme Telephone Number, available under AfA332 (EA Open Data)  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B0FF07AFA-A6DB-496B-85DA-FDBC61F80CA5%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |
|  |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| No. | Serial number in current alphabetic listing | **Y** | **Y** | **Y** |
| Agency | Agency through which registration took place (e.g. SEPA, BIS, EA) | **Y** | **Y** | **Y** |
| Reg. No. | Official Registration Number | **Y** | **Y** | **Y** |
| NPWD Code | Reference Number on EA system | **Y** | **Y** | **Y** |
| Producer Organisation | Name of producer | **Y** | **Y** | **Y** |
| Scheme | Scheme name affiliated to, if any | **Y** | **Y** | **Y** |
| Battery Type – Port. | Y/N – whether approved for portable batteries | **Y** | **Y** | **Y** |
| Battery Type – Ind. | Y/N – whether approved for industrial batteries | **Y** | **Y** | **Y** |
| Battery Type – Auto. | Y/N – whether approved for automotive batteries | **Y** | **Y** | **Y** |
| **Details** | | | | |
| Approving Agency | Agency through which registration took place (e.g. SEPA, BIS, EA) | **Y** | **Y** | **Y** |
| Company | Name of company | **Y** | **Y** | **Y** |
| Address | Address of company | **Y** | **Y** | **Y** |
| Telephone No. | Nominated telephone number | **Y** | **Y** | **Y** |
| Fax No. |  | **Y** | **Y** | **Y** |
| Contact Email |  | **Y** | **Y** | **Y** |
| Website Address |  | **Y** | **Y** | **Y** |
| Brand Names |  | **Y** | **Y** | **Y** |
| Service of Notice Address |  | **Y** | **Y** | **Y** |
| NPWD Code |  | **Y** | **Y** | **Y** |
| Registration No. |  | **Y** | **Y** | **Y** |
| Producer of Portable Batteries | Yes/No | **Y** | **Y** | **Y** |
| Producer of Industrial Batteries | Yes/No | **Y** | **Y** | **Y** |
| Producer of Automotive Batteries | Yes/No | **Y** | **Y** | **Y** |
| Member of Battery Compliance Scheme | Yes/No | **Y** | **Y** | **Y** |
| Compliance Scheme Name | Where applicable | **Y** | **Y** | **Y** |
| Compliance Scheme Operator | Where applicable | **Y** | **Y** | **Y** |
| Compliance Scheme Address | Where applicable | **Y** | **Y** | **Y** |
| Application Submitted | Data application was submitted | **Y** | **Y** | **Y** |
| Registration Status | ‘Registered’ and date, plus date registration amended where applicable. | **Y** | **Y** | **Y** |

### Battery Approved Treatment Operators – Industrial and Automotive (AfA335)

|  |
| --- |
| **Description**  Treatment Operators Approved for Industrial and Automotive batteries, under the Producer Responsibility Regulations for Batteries 2009.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B797797EC-F9E3-4380-9B27-7DB8E9295EF5%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Approving Agency | ‘Environment Agency’ in every case | **Y** | **Y** | **Y** |
| Company Name |  | **Y** | **Y** | **Y** |
| NPWD Code | Reference in EA system | **Y** | **Y** | **Y** |
| Company Registration No. |  | **Y** | **Y** | **Y** |
| Approval No. | Official Approval Number | **Y** | **Y** | **Y** |
| Approval Type | “Exporter” | **Y** | **Y** | **Y** |
| Battery Type | “Industrial and Automotive” | **Y** | **Y** | **Y** |
| Current Status | “Approved” | **Y** | **Y** | **Y** |
| Registered Office |  | **Y** | **Y** | **Y** |
| Telephone Number |  | **Y** | **Y** | **Y** |
| Status | “Approved” | **Y** | **Y** | **Y** |
| Effective From | Date of Approval | **Y** | **Y** | **Y** |

### Battery Approved Treatment Operators - Portable (AfA334)

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| --- |
| **Description**  Treatment Operators Approved for Portable batteries, under the Producer Responsibility Regulations for Batteries 2009.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BB17119C1-7BF1-4BDB-A0FF-602B30310257%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Approving Agency | ‘Environment Agency’ in every case | **Y** | **Y** | **Y** |
| Company Name |  | **Y** | **Y** | **Y** |
| NPWD Code | Reference in EA system | **Y** | **Y** | **Y** |
| Company Registration No. |  | **Y** | **Y** | **Y** |
| Approval No. | Official Approval Number | **Y** | **Y** | **Y** |
| Approval Type | “Exporter” | **Y** | **Y** | **Y** |
| Battery Type | “Industrial and Automotive” | **Y** | **Y** | **Y** |
| Current Status | “Approved” | **Y** | **Y** | **Y** |
| Registered Office |  | **Y** | **Y** | **Y** |
| Telephone Number |  | **Y** | **Y** | **Y** |
| Status | “Approved” | **Y** | **Y** | **Y** |
| Effective From | Date of Approval | **Y** | **Y** | **Y** |

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### Company Environmental Performance Summary 2010-12 (AfA425)

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| --- |
| **Description**  This dataset is known as Clear Info.  The dataset includes information on listed companies (listed on any global market) that are regulated by the Environment Agency. It covers data sent to the Environment Agency from the company’s assets permitted in England. Some of the data fields apply to specific permits and therefore may apply to companies within the listed company’s group.  The dataset includes:   * Compliance information (breaches of permits). * The Environment Agency’s site based Operational Risk Assessment (OPRA) * Total Emissions (e.g. Air, Land, Water, and Sewer) covering 120 pollutants (the Pollution Inventory) * Water Abstracted (not from mains supply) * Waste produced or treated by European Waste Catalogue (EWC) code and disposal method.   This dataset is compiled by matching the owners of site based permits to Companies House and then a company hierarchy (such as group structure). If the name of the company on the permit cannot be match to any legal entity name on Companies House, it will not be included in the dataset. Three years worth of data have been included to allow trend analysis. The company structures and monitoring information have been compiled using 2012 hierarchy information. If there have been mergers or sales in 2010-2011 these may not be reflected.  The data is based on the most current information and may differ to previous annual publications due to any appeals and amendments. The data is provided as part of an EU LIFE+ funded pilot project. The dataset is not guaranteed to be updated after 2014.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BFC78E835-291B-4819-87B9-8D2137CE3C9B%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  csv  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Main Data** | | | | |
| Company Name | Name of regulated company (this not necessarily the registered company name) | **Y** | **Y** | **Y** |
| Company Number |  | **Y** | **Y** | **Y** |
| Year | Either 2010, 2011 or 2012. Data relates to the year but may have been reported in the next year e.g. data relating to 2012 reported in 2013. | **Y** | **Y** | **Y** |
| **Count of parent company level permit, licences and registrations** | | | | |
| PAS | Number of installation permits | **Y** | **Y** | **Y** |
| REGIS | Number of waste operation permits | **Y** | **Y** | **Y** |
| Number of abstraction licences | Number of water abstraction licences | **Y** | **Y** | **Y** |
| WIMS | Number of water discharge licences | **Y** | **Y** | **Y** |
| HazWaste | Number of hazardous waste registrations | **Y** | **Y** | **Y** |
| **Compliance Classification Scheme Reason for Breaches (all breaches)** | | | | |
| Annual permit breaches | Total number of permit breaches each year, for all permits, licences and registrations, all categories and reasons for breaches | **Y** | **Y** | **Y** |
| Permitted activities | Breaches for carrying out activities outside of their permit conditions | **Y** | **Y** | **Y** |
| Infrastructure | Breaches for failure of site infrastructure | **Y** | **Y** | **Y** |
| General Management | Breaches for general management of Site | **Y** | **Y** | **Y** |
| Incident Management | Breaches caused by poor incident management | **Y** | **Y** | **Y** |
| Emissions | Breaches scored for exceeding permitted emissions limits | **Y** | **Y** | **Y** |
| Amenity | Breaches for Amenity e.g. noise, odour | **Y** | **Y** | **Y** |
| Monitoring and records maintenance and reporting | Breaches for failing to maintain or submit monitoring information required in their permit. | **Y** | **Y** | **Y** |
| Resource efficiency | Breaches for poor resource efficiency. | **Y** | **Y** | **Y** |
| **Compliance Classification Scheme Reason for Breaches (Category 3 & 4 breaches only)** | | | | |
| Permitted activities | Breaches for carrying out activities outside of their permit conditions | **Y** | **Y** | **Y** |
| Infrastructure | Brief description needed Breaches for failure of site infrastructure | **Y** | **Y** | **Y** |
| General Management | Brief description needed Breaches for general management of Site | **Y** | **Y** | **Y** |
| Incident Management | Brief description needed Breaches caused by poor incident management | **Y** | **Y** | **Y** |
| Emissions | Brief description needed Breaches scored for exceeding permitted emissions limits | **Y** | **Y** | **Y** |
| Amenity | Brief description needed Breaches for Amenity e.g. noise, odour | **Y** | **Y** | **Y** |
| Monitoring and records maintenance and reporting | Brief description needed Breaches for failing to maintain or submit monitoring information required in their permit. | **Y** | **Y** | **Y** |
| Resource efficiency | Brief description needed Breaches for poor resource efficiency. | **Y** | **Y** | **Y** |
| **Opra - waste operations** | | | | |
| Location | Consists of 5 columns representing Opra band rating A to E as a measure of locational risks associated with the site e.g. near SSSI etc. | **Y** | **Y** | **Y** |
| Operator Performance | Consists of 5 columns representing Opra band rating A to E as a measure of the enforcement history of the operator and level of management systems available on site. | **Y** | **Y** | **Y** |
| Compliance | Consists of 6 columns representing Opra band rating A to F as a measure of compliance with permit conditions. | **Y** | **Y** | **Y** |
| Complexity | Consists of 7 columns representing Opra band rating A to H as a measure of activities on site. | **Y** | **Y** | **Y** |
| Emissions | Consists of 6 columns representing Opra band rating A to F as a measure of emissions of site. | **Y** | **Y** | **Y** |
| **Opra - installations** | | | | |
| Location | Consists of 5 columns representing Opra band rating A to E as a measure of … | **Y** | **Y** | **Y** |
| Operator Performance | Consists of 5 columns representing Opra band rating A to E as a measure of … | **Y** | **Y** | **Y** |
| Compliance | Consists of 6 columns representing Opra band rating A to F as a measure of … | **Y** | **Y** | **Y** |
| Complexity | Consists of 7 columns representing Opra band rating A to H as a measure of … | **Y** | **Y** | **Y** |
| Emissions waste input | Consists of 6 columns representing Opra band rating A to F as a measure of … | **Y** | **Y** | **Y** |
| Emissions waste off site | Consists of 6 columns representing Opra band rating A to F as a measure of … | **Y** | **Y** | **Y** |
| Emission Air | Consists of 6 columns representing Opra band rating A to F as a measure of … | **Y** | **Y** | **Y** |
| Emission Land | Consists of 5 columns representing Opra band rating A to E as a measure of … | **Y** | **Y** | **Y** |
| Emission Water | Consists of 5 columns representing Opra band rating A to E as a measure of … | **Y** | **Y** | **Y** |
| Emission Sewer | Consists of 5 columns representing Opra band rating A to E as a measure of … | **Y** | **Y** | **Y** |
| **Actual abstraction, as reported to the EA, for each of the calendar years 2010 to 2013 inclusive categorised by parent company and use abstracted water is put to** | | | | |
| Type of water use | There are 27 types of water use, an example is provided below | **Y** | **Y** | **Y** |
| Evaporative cooling | Total water (m3) abstracted for purposes of evaporation or cooling plant equipment. | **Y** | **Y** | **Y** |
| **Waste output by type of disposal or recovery for Waste Operations sites (Annual Tonnes)** | | | | |
| Disposal and Recovery codes | There are 15 waste disposal codes and 13 recovery codes. An example is provided below | **Y** | **Y** | **Y** |
| D2 | Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.) | **Y** | **Y** | **Y** |

### Compliance Classification Scheme (AfA403)

|  |
| --- |
| **Description**  Condition breaches on Environmental Permitting Regulations (2010) permits from 2010. This dataset may exclude some records on the basis of National Security or Commercial Confidentiality.  Breaches for the following permit types:   * waste operations * industrial process installations * water discharge activities * groundwater authorisations * abstraction licences * radioactive substances (RAS) permits   **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBA  **Update frequency**  When breaches occur – at any point in a calendar year.  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit Reference of site | **Y** | **Y** | **Y** |
| Operator Name` | Name of operator authorised to carry out permitted activity | **Y** | **Y** | **Y** |
| Site Name | Name of authorised site | **Y** | **Y** | **Y** |
| Operator Site Address & Postcode | Address and postcode of authorised site. | **Y** | **Y** | **Y** |
| Regulatory Regime | Type of regime activity is covered by e.g. waste operation, installation activity, water discharge etc. | **Y** | **Y** | **Y** |
| EA Region / Area | EA region and area where site is located. | **Y** | **Y** | **Y** |
| Industry Sector | Description of industry sector of authorised site – related to activities carried out. | **Y** | **Y** | **Y** |
| Permit Condition Breached | Permit condition that breach relates to. | **Y** | **Y** | **Y** |
| Type of Non Compliance | Generic description of breach | **Y** | **Y** | **Y** |
| Breach Classification | Category (1-4) assigned to the breach – related to impact on the environment. | **Y** | **Y** | **Y** |
| Date and time of breach | Date and time of breach as recorded by the officer. | **Y** | **Y** | **Y** |

### Compliance Classification Scheme Historic (AfA405)

|  |
| --- |
| **Description**  Permit condition breaches on permitted sites up to commencement of the Environmental Permitting Regulations (2010), under various legislation. Records go back to about 2004  Breaches for the following permit types:   * waste operations * industrial process installations * water discharge activities * groundwater authorisations * abstraction licences * radioactive substances (RAS) permits   **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  TBA  **Update frequency**  Closed dataset  **Supply frequency**  One-off  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Before EPR (2010) these data were covered under various legislation. The Approved fields can always be released. To release other fields (operator/geographical information) you must check the relevant legislation to see whether the data you are seeking to release has Public Register status. If Public Register status does not apply you must make an individual assessment of Not Approved fields.  Where it has Public Register status any of this data may be released. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit Reference of site | **N** | **N** | **N** |
| Operator Name` | Name of operator authorised to carry out permitted activity | **N** | **N** | **N** |
| Site Name | Name of authorised site | **N** | **N** | **N** |
| Operator Site Address & Postcode | Address and postcode of authorised site. | **N** | **N** | **N** |
| Regulatory Regime | Type of regime activity is covered by e.g. waste operation, installation activity, water discharge etc. | **Y** | **Y** | **Y** |
| EA Region / Area | EA region and area where site is located. | **N** | **N** | **N** |
| Industry Sector | Description of industry sector of authorised site – related to activities carried out. | **Y** | **Y** | **Y** |
| Permit Condition Breached | Permit condition that breach relates to. | **Y** | **Y** | **Y** |
| Type of Non Compliance | Generic description of breach | **Y** | **Y** | **Y** |
| Breach Classification | Category (1-4) assigned to the breach – related to impact on the environment. | **Y** | **Y** | **Y** |
| Date and time of breach | Date and time of breach as recorded by the officer. | **Y** | **Y** | **Y** |

### Compliance Classification Scheme Statistics (AfA406)

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| --- |
| **Description**  Condition breaches on Regulated sites under various legislation (Environmental Permitting Regulations from 2010). This dataset excludes attribution that allows location or operator to be identified.  More detailed current data is available under AfA403 ‘Compliance Classification Scheme’.  Records go back to about 2004  Breaches for the following permit types:   * waste operations * industrial process installations * water discharge activities * groundwater authorisations * abstraction licences * radioactive substances (RAS) permits   **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBA  **Update frequency**  When breaches occur – at any point in a calendar year.  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Regulatory Regime | Type of regime activity is covered by e.g. waste operation, installation activity, water discharge etc. | **Y** | **Y** | **Y** |
| Industry Sector | Description of industry sector of authorised site – related to activities carried out. | **Y** | **Y** | **Y** |
| Permit Condition Breached | Permit condition that breach relates to. | **Y** | **Y** | **Y** |
| Type of Non Compliance | Generic description of breach | **Y** | **Y** | **Y** |
| Breach Classification | Category (1-4) assigned to the breach – related to impact on the environment. | **Y** | **Y** | **Y** |
| Date and time of breach | Date and time of breach as recorded by the officer. | **Y** | **Y** | **Y** |

### EEE Marketed UK Summary (AfA316)

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| **Description**  Contains data reported by Producer Compliance Schemes (PCSs) on the amount of EEE(Electrical and Electronic Equipment) their producer members are placing on the market.  And is broken down by;   * Category (1 – 13) * Houshold/non-household   The report is a UK dataset and contains no information about any specific company.  Data is reported quarterly.  Reports available date back to Q3 2007.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBC](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Quarterly  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Website.  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Large Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| Small Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| IT and Telcomms Equipment | Tonnes | **Y** | **Y** | **Y** |
| Consumer Equipment | Tonnes | **Y** | **Y** | **Y** |
| Lighting Equipment | Tonnes | **Y** | **Y** | **Y** |
| Electrical and Electronic Tools | Tonnes | **Y** | **Y** | **Y** |
| Toys Leisure and Sports | Tonnes | **Y** | **Y** | **Y** |
| Medical Devices | Tonnes | **Y** | **Y** | **Y** |
| Monitoring and Control Instruments | Tonnes | **Y** | **Y** | **Y** |
| Automatic Dispensers | Tonnes | **Y** | **Y** | **Y** |
| Display Equipment | Tonnes | **Y** | **Y** | **Y** |
| Cooling Appliances Containing Refrigerants | Tonnes | **Y** | **Y** | **Y** |
| Gas Discharge Lamps | Tonnes | **Y** | **Y** | **Y** |
| Total WEEE | Tonnes | **Y** | **Y** | **Y** |

### End of Life Vehicles Authorised Treatment Facilities Public Register (AfA158)

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| **Description**  The Environment Agency is responsible for ensuring that Authorised Waste Treatment Facilities (ATF) sites in England and Wales comply with current legislation. We monitor permitted ATF sites to ensure they are treating End of Life Vehicles (ELVs) correctly.  Under ELV legislation, ATF sites must issue the last owner of a motor vehicle (car, light van, or three-wheel) with a Certificate of Destruction after scrapping a vehicle and the Driver and Vehicle Licensing Agency (DVLA) will then remove that vehicle from their registration database. The DVLA and the Department for Business Innovation and Skills are responsible for administering charges for disposal.  Omission from this register does not necessarily mean that a site does not meet the ELV legislative standards for an ATF. Omission could mean the site operator does want to be on the ATF Register because the site only deals with vehicles that don’t require a Certificate of Destruction, such as motorbikes.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={887C7197-7924-45B1-87C2-9A74B9F46509}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b887C7197-7924-45B1-87C2-9A74B9F46509%7d)  **Update frequency**  Monthly  **Supply frequency**  Monthly  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  (Information Warning must be passed on with this data)  **Information Warning**  Omission from this register does not necessarily mean that a site does not meet the ELV legislative standards for an ATF. Omission could mean the site operator does want to be on the ATF Register because the site only deals with vehicles that don’t require a Certificate of Destruction, such as motorbikes.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Licence holder | Licence holder (and trading name if known) | **Y** | **Y** | **Y** |
| Site address | Full site address and postcode | **Y** | **Y** | **Y** |
| Site telephone number | Site telephone number (where given) | **Y** | **Y** | **Y** |
| EAWML number | EAWML number | **Y** | **Y** | **Y** |
| e-mail address | e-mail address (if known) | **Y** | **Y** | **Y** |

### Environmental Permitting Regulations – Industrial Sites (AfA021)

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| --- |
| **Description**  The Environmental Permitting Regulations, amongst other things, implement the IPPC (Integrated Pollution Prevention and Control) Directive (EC/61/96) in England & Wales. Facilities covered by this legislation are known as Installations and generally have significant releases to air, land or water or carry out certain, larger scale, waste management activities.  Further information on the Environmental Permitting Regulations (EPR) and the IPPC directive, is available on our website or at [www.defra.gov.uk](http://www.defra.gov.uk)  This dataset covers all Process Industry sites within the EPR regime and some larger waste activities. Other smaller waste faciltities are known as ‘Waste Operations’ (formerly known as Waste Management Licences) and are covered in a separate dataset, see below:  Other related datasets that are available are:   * Environmental Permitting Regulations – Waste Sites * Authorised Treatment Facilities (End of Life Vehicles) * Waste Electrical, Electronic Equipment (WEEE)   **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B00BECDC9-F7ED-4C2D-B3F6-D3B992D34493%7D>  **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  Data & Information Management  Available on DataShare  **Format Supplied**  Access database  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **All\_EPR\_Ind** or **Active\_EPR\_Ind** | | | | |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Area | Environment Agency Area | **Y** | **Y** | **Y** |
| Original Permit Number | Unique PAS (Permitting Administration System) authorisation number for initial application | **Y** | **Y** | **Y** |
| Permit Number | Unique PAS authorisation number for current application (primary key, and reference cell for linked table) | **Y** | **Y** | **Y** |
| EPR Ref | Environmental Permit Reference Number (will only be present for recent permits). Takes the format:  AB1234CD/A001 (application for a new licence)  AB1234CD/V001 (variation, also known as modification)  AB1234CD/T001 (transfer)  AB1234CD/R001 (revocation, also known as surrender) | **Y** | **Y** | **Y** |
| Operator Name | Operator Name | **Y** | **Y** | **Y** |
| Status | Current (at date of extraction) status of permission:  Superceded [sic]  Effective  Surrender Effective  Revoked  Transfer Effective  Refused  Determination  Not Yet Effective | **Y** | **Y** | **Y** |
| Local Authority | Local Authority Name | **Y** | **Y** | **Y** |
| Installation Name | Name of installation where activities occur | **Y** | **Y** | **Y** |
| Secondary Name IS | Operator Address – line 1 | **Y** | **Y** | **Y** |
| Primary Name IS | Operator Address – line 2 | **Y** | **Y** | **Y** |
| Street Name IS | Operator Address – Street | **Y** | **Y** | **Y** |
| Locality IS | Operator Address – Locality | **Y** | **Y** | **Y** |
| Town IS | Operator Address – Town | **Y** | **Y** | **Y** |
| Post Town IS | Operator Address – Post Town | **Y** | **Y** | **Y** |
| County IS | Operator Address – Post County | **Y** | **Y** | **Y** |
| Post Code IS | Operator Address – Postcode | **Y** | **Y** | **Y** |
| Duly Made Date | Date application was accepted as ‘duly made’ | **Y** | **Y** | **Y** |
| Issue Date | Date of issue of a variation on an effective permit | **Y** | **Y** | **Y** |
| Permit Effective From Date | Date when conditions of Authorisation/Variation apply | **Y** | **Y** | **Y** |
| Application Type | Type of entry:  Application  Variation  Surrender  Transfer  PPCAPP | **Y** | **Y** | **Y** |
| Application Sub-Type | Sub-type of entry:  New  Minor  Standard  Whole  Simple Standard variation  Substantial  Whole without FAPP  Whole with FAPP  Whole limited change in management  Installation never operated  Part | **Y** | **Y** | **Y** |
| Grid Reference IS | NGR for site entrance (Eight figure AA11119999) | **Y** | **Y** | **Y** |
| Eastings | Six-figure Eastings for the site entrance (typically five figure accuracy padded with a zero) | **Y** | **Y** | **Y** |
| Northings | Six-figure Northings for the site entrance (typically five figure accuracy padded with a zero) | **Y** | **Y** | **Y** |
| **All\_EPR\_Ind\_ASR** or **Active\_EPR\_Ind\_ASR** | | | | |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Area | Environment Agency Area | **Y** | **Y** | **Y** |
| Original Permit Number | Unique PAS authorisation number for initial application | **Y** | **Y** | **Y** |
| Permit Number | Unique PAS authorisation number for current application (links to same field in other table)  Part of compound primary key for table | **Y** | **Y** | **Y** |
| EPR Ref | Environmental Permit Reference Number | **Y** | **Y** | **Y** |
| Operator Name | Operator Name | **Y** | **Y** | **Y** |
| Status | Current (at date of extraction) status of permission:   * Superceded [sic] * Effective * Surrender Effective * Revoked * Transfer Effective * Refused * Determination * Not Yet Effective | **Y** | **Y** | **Y** |
| Local Authority | Local Authority Name | **Y** | **Y** | **Y** |
| Activity Schedule Reference | Activity Schedule Reference Number  e.g. 5.3 A(1) c) (ii)  Part of compound primary key for table | **Y** | **Y** | **Y** |
| Activity Description | Description of Activity Schedule Reference Number  e.g. OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT | **Y** | **Y** | **Y** |
| Grid Reference IS | NGR for site entrance (Eight-figure e.g. SP12341234) | **Y** | **Y** | **Y** |
| Primary Activity Y/N | Whether this is the primary permitted activity under this permit  (Boolean operator distinguishing whether this is the primary activity being permitted at a site)  e.g. Y/N  Part of compound primary key for table | **Y** | **Y** | **Y** |

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### Environmental Permitting Regulations – Waste Sites (AfA200)

|  |
| --- |
| **Description**  A waste management licence is a legal document issued under the Environmental Protection Act 1990. A licence authorises the treatment, keeping or disposal of waste in or on the land. Once we have issued a licence, neither the activities nor the area of land may be changed unless the licence is modified.  The Environmental Permitting Regulations, regulating waste sites, came into force on 6 April 2008. The new regime combines a number of earlier permitting / licensing regimes.  Other related datasets available are:   * Pollution Prevention and Control (IPPC) * Authorised Treatment Facilities (End of Life Vehicles) * Water Quality and Pollution Control (Discharge Consents) * Waste Electrical, Electronic Equipment (WEEE)   **EPR Waste** is the table for granted permits.  **EPR Waste Applications** holds details of applications that did not, or have not yet, resulted in a permit or permit variation.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={25220FA9-17B7-4AF4-9B08-5E42A2A960BA}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b25220FA9-17B7-4AF4-9B08-5E42A2A960BA%7d)  **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data, Mapping, Modelling and Information (Data Team)  Available on DataShare  **Format Supplied**  Access database  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **EPR Waste (permits)** | | | | |
| LIC AREF | Area reference used only in Environmental Permitting Regulations – Waste system | **Y** | **Y** | **Y** |
| LIC NMBR | Reference code used only in Environmental Permitting Regulations – Waste system | **Y** | **Y** | **Y** |
| LIC OTHID | Other licence number | **Y** | **Y** | **Y** |
| **LIC WML** | Waste Management Licence number | **Y** | **Y** | **Y** |
| LIC LTYPE | Type of site (links to look-up table ‘LIC LTYPE’)  e.g. A1, A2, S0813 | **Y** | **Y** | **Y** |
| SITE ADD NAME | Site location details – Site name | **Y** | **Y** | **Y** |
| SITE ADD BUILD | Site location details – Building | **Y** | **Y** | **Y** |
| SITE ADD HOUSE | Site location details – House number | **Y** | **Y** | **Y** |
| SITE ADD STRT | Site location details – Street | **Y** | **Y** | **Y** |
| SITE ADD AREA | Site location details – Area | **Y** | **Y** | **Y** |
| SITE ADD TOWN | Site location details – Town | **Y** | **Y** | **Y** |
| SITE ADD CNTY | Site location details – County | **Y** | **Y** | **Y** |
| SITE ADD PCODE | Site location details – Postcode | **Y** | **Y** | **Y** |
| SITE ADD TEL | Site location details – Telephone number | **Y** | **Y** | **Y** |
| SITE ADD FAX | Site location details – Fax number | **Y** | **Y** | **Y** |
| SITE ADD EMAIL | Site location details – Email address | **Y** | **Y** | **Y** |
| LIC NAME | Licence holder’s name | **Y** | **Y** | **Y** |
| LIC TRADE | Licence holder’s trading name, where appropriate | **Y** | **Y** | **Y** |
| LIC SITE | Site name | **Y** | **Y** | **Y** |
| NGR | Six, eight or ten figure National Grid Reference, typically of site entrance | **Y** | **Y** | **Y** |
| EASTING | Six-figure Eastings, padded with zeros from NGR field. | **Y** | **Y** | **Y** |
| NORTHING | Six-figure Northings, padded with zeros from NGR field. | **Y** | **Y** | **Y** |
| STAT SDESC | Licence status, for example   * Modified * Issued * Transferred * Surrendered * Expired * Closure * Revoked * Suspended | **Y** | **Y** | **Y** |
| LIC TARD | Target date for processing application | **Y** | **Y** | **Y** |
| LIC DETD | Date licence was decided | **Y** | **Y** | **Y** |
| LIC ISSD | Date licence was issued | **Y** | **Y** | **Y** |
| LIC SUBD | Date from which subsistence is charged | **Y** | **Y** | **Y** |
| LIC MODD | Date licence was modified | **Y** | **Y** | **Y** |
| LIC TRAD | Date licence was transferred | **Y** | **Y** | **Y** |
| LIC EFFD | Date licence transfer came into effect | **Y** | **Y** | **Y** |
| LIC SURD | Date licence was surrendered | **Y** | **Y** | **Y** |
| LIC RVKD | Date licence was revoked | **Y** | **Y** | **Y** |
| LIC SUSD | Date licence was suspended | **Y** | **Y** | **Y** |
| LIC EXPD | Date licence expired | **Y** | **Y** | **Y** |
| LIC REND | Date licence was renewed | **Y** | **Y** | **Y** |
| LIC CAND | Date licence was cancelled | **Y** | **Y** | **Y** |
| LIC AMND | Date licence was amended | **Y** | **Y** | **Y** |
| LIC TONS | Annual tonnage permitted (where entered on database). A zero indicates that tonnage information was not entered in this field. | **Y** | **Y** | **Y** |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Area | Environment Agency Area | **Y** | **Y** | **Y** |
| Size | Categorisation of permitted waste volume per year. This is derived from the same information as LIC TONS. It links to the charge code look-up table. Size range:   * small = 0 – 25000 tonnes per annum * medium = 25000 – 75000 tonnes per annum * large = > 75000 tonnes per annum | **Y** | **Y** | **Y** |
| LIC PPCARD | Date IPPC application received | **Y** | **Y** | **Y** |
| LIC IPPCD | Date of transfer to IPPC | **Y** | **Y** | **Y** |
| LIC IPPCR | IPPC reference | **Y** | **Y** | **Y** |
| LIC EPR | EPR permit reference | **Y** | **Y** | **Y** |
| **Waste Categories (identifies which waste categories apply to a permit)** | | | | |
| CAT REF | Reference for National REGIS compilation (indicates that record refers to linked record in field LIC AREF in ‘EPR Waste’ table. | **Y** | **Y** | **Y** |
| CAT CCDE | Reference for National REGIS compilation (indicates that classification code applies to the record) | **Y** | **Y** | **Y** |
| CAT TREF | Reference for National REGIS compilation (indicates that classification category applies to the record) | **Y** | **Y** | **Y** |
| **Waste Categories Descriptions** | | | | |
| CAT CODE | European Waste Catalogue category (links to ‘CAT CCDE’ in ‘Waste Categories’ table) | **Y** | **Y** | **Y** |
| CAT DESC | UK Waste Classification Scheme description of waste. | **Y** | **Y** | **Y** |
| CAT TREF | Special Waste Regulations 1996 category. (links to ‘CAT TREF’ in ‘Waste Categories’ table) | **Y** | **Y** | **Y** |
| **Look up table - Licence Types and Definitions (LIC\_LTYPE)** | | | | |
| Type Code | Code indicating type of licence  (e.g. A07, A08, A09, S0813) | **Y** | **Y** | **Y** |
| Type Description | Description of type of licence Industrial Landfills  e.g. ‘Industrial waste landfills’, ‘Lagoons’, ‘Special waste transfer stations’ | **Y** | **Y** | **Y** |
| **EPR Waste Applications** | | | | |
| LIC NMBR | Reference code used only in the REGIS system | **Y** | **Y** | **Y** |
| LIC OTHID | Other reference number | **Y** | **Y** | **Y** |
| LIC WML | Waste Management Licence number | **Y** | **Y** | **Y** |
| LIC LTYPE | Type of site (links to look-up table ‘LIC LTYPE’)  e.g. A1, A2, S0813 | **Y** | **Y** | **Y** |
| SITE ADD NAME | Site location details – Site name | **Y** | **Y** | **Y** |
| SITE ADD BUILD | Site location details – Building | **Y** | **Y** | **Y** |
| SITE ADD HOUSE | Site location details – House number | **Y** | **Y** | **Y** |
| SITE ADD STRT | Site location details – Street | **Y** | **Y** | **Y** |
| SITE ADD AREA | Site location details – Area | **Y** | **Y** | **Y** |
| SITE ADD TOWN | Site location details – Town | **Y** | **Y** | **Y** |
| SITE ADD CNTY | Site location details – County | **Y** | **Y** | **Y** |
| SITE ADD PCODE | Site location details – Postcode | **Y** | **Y** | **Y** |
| SITE ADD TEL | Site location details – Telephone number | **Y** | **Y** | **Y** |
| SITE ADD FAX | Site location details – Fax number | **Y** | **Y** | **Y** |
| SITE ADD EMAIL | Site location details – Email address | **Y** | **Y** | **Y** |
| LIC NAME | Licence applicant’s name | **Y** | **Y** | **Y** |
| LIC TRADE | Licence applicant’s trading name, where appropriate | **Y** | **Y** | **Y** |
| LIC SITE | Site name | **Y** | **Y** | **Y** |
| NGR | National Grid Reference, typically of site entrance | **Y** | **Y** | **Y** |
| Corr ADD NAME | Correspondence address – Site name | **Y** | **Y** | **Y** |
| Corr ADD BUILD | Correspondence address – Building | **Y** | **Y** | **Y** |
| Corr ADD HOUSE | Correspondence address – House number | **Y** | **Y** | **Y** |
| Corr ADD STRT | Correspondence address – Street | **Y** | **Y** | **Y** |
| Corr ADD AREA | Correspondence address – Area | **Y** | **Y** | **Y** |
| Corr ADD TOWN | Correspondence address – Town | **Y** | **Y** | **Y** |
| Corr ADD CNTY | Correspondence address – County | **Y** | **Y** | **Y** |
| Corr ADD PCODE | Correspondence address – Postcode | **Y** | **Y** | **Y** |
| Corr ADD TEL | Correspondence address – Telephone number | **Y** | **Y** | **Y** |
| Corr ADD FAX | Correspondence address – Fax number | **Y** | **Y** | **Y** |
| Corr ADD EMAIL | Correspondence address – Email address | **Y** | **Y** | **Y** |
| STAT SDESC | Licence status | **Y** | **Y** | **Y** |
| LIC RECD | Date application received | **Y** | **Y** | **Y** |
| LIC CONSD |  | **Y** | **Y** | **Y** |
| LIC CONCD |  | **Y** | **Y** | **Y** |
| LIC APPD |  | **Y** | **Y** | **Y** |
| LIC TARD | Target date for applications to be processed by | **Y** | **Y** | **Y** |
| LIC ISSD | Date licence issued | **Y** | **Y** | **Y** |
| LIC MODD | Date licence was modified | **Y** | **Y** | **Y** |
| LIC TRAD | Date licence was transferred | **Y** | **Y** | **Y** |
| LIC EFFD | Date licence came into effect | **Y** | **Y** | **Y** |
| LIC SURD | Date licence was surrendered | **Y** | **Y** | **Y** |
| LIC EXPD | Date licence expired | **Y** | **Y** | **Y** |
| LIC REND | Date licence was renewed | **Y** | **Y** | **Y** |
| LIC CAND | Date licence was cancelled | **Y** | **Y** | **Y** |
| LIC AMND | Date licence was amended | **Y** | **Y** | **Y** |
| LIC TONS | Annual tonnage permitted | **Y** | **Y** | **Y** |
| Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Area | Environment Agency Area | **Y** | **Y** | **Y** |

### 

### Extractive Materials Management Statement Summaries – Corporate Entities Only (AfA203)

|  |
| --- |
| **Description**  Extractive Materials Management Statements are sent in by operators of mines and quarries to demonstrate that extractive materials produced on site are not extractive waste and therefore do not require a permit under the Environmental Permitting Regulations (EPR) to manage this material as would otherwise be required under the Mining Waste Directive. Specific information is required in an EMMS, to include what type of materials are produced, how the material is incorporated in the final site restoration and an estimate of the total quantity of materials produced during the lifetime of the operation. This can be given by referencing existing information required under other legislation, for example Planning Permission.  EMMS are not submitted under any legislative framework, but are submitted as a result of an agreement between ourselves and the mines and quarries sector as a way of stating what materials are not extractive waste due to European Court of Justice rulings that define extractive waste in a more restrictive way that the Directive.  The EMMS spreadsheet holds summary details of all EMMS submitted to us since September 2010.  Subsequent requests for individual EMM Statements themselves will be treated on an individual basis, and will be checked for relevant confidentialities, in accordance with normal procedures.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={83460B0B-16D5-4E49-BDF4-05D338B55FA8}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b83460B0B-16D5-4E49-BDF4-05D338B55FA8%7d)  **Update frequency**  Daily, but few expected after mid-2011.  **Supply frequency**  Quarterly to mid-2011, and annually thereafter.  **Third Party Prior Rights**  None  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  Excel spreadsheet  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Non-corporate entities must be removed from this from this dataset before release. For advice on how to restrict to corporate entities only, refer to Helen Thirsk in Legal. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Environment Agency Details** | | | | |
| Reference Number | Reference number allocated within spreadsheet | **Y** | **Y** | **Y** |
| Environment Agency Region | Environment Agency Region | **Y** | **Y** | **Y** |
| Environment Agency Area | Environment Agency Area | **Y** | **Y** | **Y** |
| **Site Details** | | | | |
| Operating Company Name | Name of company carrying out extraction activity - only corporate details | **Y** | **Y** | **Y** |
|  | Name of site | **Y** | **Y** | **Y** |
| Site Address | Address of site | **Y** | **Y** | **Y** |
| Grid reference | NGR of site  Ten figure grid reference (AA 99999 99999), with occasional text clarification (e.g. Extraction Area - AA 00000 00000. Plant Site - BB 11111 11111) | **Y** | **Y** | **Y** |
| Contact Name | Principal contact for site – low risk to release | **Y** | **Y** | **Y** |
| ~~phone number~~ | ~~Phone number of principal contact – don’t release (Attribute removed from dataset)~~ | **~~N~~** | **~~N~~** | **~~N~~** |
| email | Email address of principal contact | **Y** | **Y** | **Y** |
| **EMMS Notification** | | | | |
| ~~Name of EMMS verifier~~ | ~~Name of approved verifier of Extractive Materials Management Statement. (Attribute removed from dataset)~~ | **Y** | **N** | **N** |
| date of verification | Date of verification report | **Y** | **Y** | **Y** |
| date notification of EMMS received | Date that report was received by the Environment Agency | **Y** | **Y** | **Y** |
| date response letter sent | Date that receipt was sent by the Environment Agency | **Y** | **Y** | **Y** |
| **Assessment as Summarised on the EMMS** | | | | |
| primary mineral produced at the site | Main mineral extracted  (e.g. ‘Sandstone/ Gritstone (Upper Millstone Grit Group)’, null) | **Y** | **Y** | **Y** |
| Quantity of extractive material assessed as not waste (tonnes) | Amount of non-waste material extracted. Often quoted in volume (cubic metres)  (e.g. ‘Upto 2,000,000’ or ‘89,550 cu metres’, null) | **Y** | **Y** | **Y** |
| maximum storage time before final deposit (years) | e.g. ‘upto 2 years’, ‘max 15 yrs’, ‘no detail’, null | **Y** | **Y** | **Y** |
| expected date for completion of operations at the site | Date  e.g. ‘30th June 2012’, null, ‘28th February 2042’ | **Y** | **Y** | **Y** |
| **Further Assessment by EO** | | | | |
| Quantity of non-inert extractive material assessed as not waste (tonnes) | Titled as quantity in tonnes, but usually expressed as a volume in cubic metres.  e.g.   * ‘10,000m3’, * null, * 0 (but iron pyrites associated with marine bands hence some acid drainage a possibility) * Top soil - 94,800 m3 * Majority of extractive material likely to be NINH or Hazardous and therefore likely to be waste | **N** | **N** | **N** |
| permit application to follow (yes/no) | e.g.:   * ‘N but permit may be required if infill material used from alternative sources.’ * ‘Depends on outcome of discussions relime ind.’ * Null * Y | **N** | **N** | **N** |
| Selected for audit (yes/no) | e.g.   * ‘?- why did EMMS not identify extractive material as waste?’ * ‘Yes. Following outcome of discussions.’ * Null * ‘N - check during 1st compliance inspection’ * ‘? - why obtain permit when EMMS declaration not identify waste?’ | **N** | **N** | **N** |

### 

### Groundwater Permits (AfA282)

**Description:**

Details of Environmental Permitting Regulations (EPR) permits. Both permits under the Groundwater Regulations 1998, and 2009, and equivalent permits under EPR 2010 are included.

Many end dates are unreliable, and are being corrected. This should be completed by the end of 2012.

**Issues to Note**

N/A

**AfA Category**

AfA (Publication Scheme & IfRR)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={BC7A9E01-E2A2-4E51-87A3-5AC1AE755E99}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bBC7A9E01-E2A2-4E51-87A3-5AC1AE755E99%7d)

**Update frequency**

Daily

**Supply frequency**

Annual

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

Excel

**Special Conditions**

None

**Information Warning**

Under Reg. 71 of EPR 2010, we’re required to review all such permits before 22 December 2012. This review is taking place at the present time, and the information is being actively checked and updated. The end date of authorisation may not be correct – at present there is no way of putting a indefinite authorisation date in – so an artificial one has been entered, in many cases. This is currently being rectified within an update to the system.

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SITE\_REF | Unique site reference code for use in CL2a system | **Y** | **Y** | **Y** |
| SITE\_OWNER | Owner of the site where the authorisation is located. A Site is the premises on which the gw activity (e.g disposal) is based, e.g. a farm holding, industrial site. | **N** | **N** | **N** |
| SITE\_NAME | Name of the site where the authorisation is located. A Site is the premises on which the gw activity (e.g disposal) is based, e.g. a farm holding, industrial site. | **Y** | **Y** | **Y** |
| SITE\_ADDRESS | Site address of the site where the authorisation is located. A Site is the premises on which the gw activity (e.g disposal) is based, e.g. a farm holding, industrial site. | **Y** | **Y** | **Y** |
| POSTCODE | Postcode of the site address where the authorisation is located. A Site is the premises on which the gw activity (e.g disposal) is based, e.g. a farm holding, industrial site. | **Y** | **Y** | **Y** |
| NGR | National grid reference of the main site buildings (e.g of the farm house), or if unclear, the centre of the grid square where the farm buildings are.) | **Y** | **Y** | **Y** |
| APP\_REF | Application reference number | **Y** | **Y** | **Y** |
| APP\_STATUS | Status of application – received/ granted/ lapsed / revoked etc | **Y** | **Y** | **Y** |
| DISP\_AREA\_NAME | Descriptive name of where the disposal area is on site premises | **Y** | **Y** | **Y** |
| SUBSTANCEDESC | Substance Type of disposal e.g. pesticides / sheep dip | **Y** | **Y** | **Y** |
| SURFACECATCHMENTDESC | Surface catchment description | **Y** | **Y** | **Y** |
| LATEST\_SCORE | Hydrogeological Risk assessment scoring for internal prioritisation purposes | **Y** | **Y** | **Y** |
| RECEIVED | Date the application has been received | **Y** | **Y** | **Y** |
| GRANTED | Date the application has been granted | **Y** | **Y** | **Y** |
| DEEMED\_GRANTED | Date deemed granted | **Y** | **Y** | **Y** |
| COMPLIANCE\_INSPECTION | Date of last compliance inspection | **Y** | **Y** | **Y** |
| REVIEW | Date of last review | **Y** | **Y** | **Y** |
| VARIED | Date of last variation | **Y** | **Y** | **Y** |
| REFUSED | Date of refusal | **Y** | **Y** | **Y** |
| WITHDRAWN | Date withdrawn | **Y** | **Y** | **Y** |
| REVOKED | Date revoked | **Y** | **Y** | **Y** |
| COMPLETED | Date completed | **Y** | **Y** | **Y** |
| LAPSED | Date lapsed | **Y** | **Y** | **Y** |
| TRANSFERRED | Unused field | **Y** | **Y** | **Y** |
| AREAID | Unique CL2a numerical ID of Area | **Y** | **Y** | **Y** |
| AREANAME | Name Of EA Area | **Y** | **Y** | **Y** |
| REGIONNAME | Name of EA Regional Name | **Y** | **Y** | **Y** |
| ENDDATE | End date of authorisation | **Y** | **Y** | **Y** |
| DEFAULT\_MANUAL | Whether the end date of authorisation has been added as a default (not checked) or as manual input | **Y** | **Y** | **Y** |

### Hazardous Waste Database (AfA001)

|  |
| --- |
| **Description**  Individual Waste Consignment Note information  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={0CAE0C33-C49B-44A8-BD24-608A859CF941}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0CAE0C33-C49B-44A8-BD24-608A859CF941%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Tonnage ProducerRegistrationNo | ="AAA528" The registration number of a producer is public register, but all the producers for a site forms a customer list for that site | **N** | **N** | **N** |
| Producer Postcode | There will be many times when there is only 1 producer in a postcode | **N** | **N** | **N** |
| ConsignmentNo | ="AAA528/LCW01" A unique no. See above | **N** | **N** | **N** |
| DateReceived | ="2006-03-28T00:00:00" The date that the waste was received by the site. This will tell you the no. of consignments received at a site. | **Y** | **Y** | **Y** |
| PhysicalFormCode | e.g. "L" The state that the waste arrived in (Liquid, Solid etc.)  This will tell you whether individual consignments are liquid, solid etc. and allow you to calculate what proportions by no. received at a particular site are liquid, solid etc. | **Y** | **Y** | **Y** |
| EWCCode | ="08 01 11" the European Waste Catalogue code defines the waste type. From our knowledge of waste industry we believe this could always be releasable if asked for it. But it is one where Waste Policy needs to make the final decision as to whether they are certain that this would not be commercially confidential. | **N** | **N** | **N** |
| HazardousWasteTypeCodes | ="H3A" Each Haz Waste carried "H" code to define how the waste is Hazardous(explosive, corrosive, carcinogenic etc.) Query as above | **N** | **N** | **N** |
| RAndDCode | ="R02" The modern equivalent of the A code, the Recovery and Disposal codes were laid down in the Waste Framework Directive and specify the activity of the site.  Are we certain that if they know the type of waste, along with the recovery and disposal method, that this is not identifying a commercially confidential process? One for waste policy. | **N** | **N** | **N** |
| NullReturnFlag | ="False" Sites are required to file a nil return, this allows us to know exactly how many sites have filed returns even if they have not dealt with Haz Waste that quarter.  This information can indicate breaches by individuals i.e. if rows 9 and 10 are blank and this is blank. | **N** | **N** | **N** |
| Waste Rec’d Tonnes | ="0.197" The tonnage of the waste received.  Query – what tonnage is this – a particular consignment? If it is, and we are not going to provide type of waste, then probably ok? Confirmation needed by Waste policy.  If we are providing waste type then much more likely to be commercially confidential. | **N** | **N** | **N** |

### Hazardous Waste Interrogator (AfA229)

**Description:**

The Environment Agency is legally required to monitor all movements of hazardous waste in England and Wales. Hazardous waste producers are required to register with us and the site where the waste is disposed or recovered is required to inform us of the details of the wastes they receive. Hazardous waste producer data is commercially confidential. However a summary of the movements is provided in this Hazardous Waste Interrogator. Only high-level waste classification, geographical locations (where the waste was produced and where the waste management facility is located) and tonnage is included. Individual site names and producers details are not included.

Note: the data on hazardous waste includes all waste movements – this includes where the same waste may have moved between waste management facilities. This element of double counting should be taken into account when using the data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={55D581C9-3D61-4F09-9A0F-0E3515E80471}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b55D581C9-3D61-4F09-9A0F-0E3515E80471%7d)

**Update frequency**

Not updated

**Supply frequency**

One-off for each year’s Interrogator

**Third Party Prior Rights**

None

**Data Contact / Supply**

Available on DataShare

**Format Supplied**

Access Database

**Special Conditions**

None

**Information Warning**

High level summary data. Does not include individual producers’ and site details. Double counting element of the same waste making multiple movements should be noted.

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Arising district | District where hazardous waste came from. | **Y** | **Y** | **Y** |
| Arising WPA | Waste Planning Authority where hazardous waste came from. | **Y** | **Y** | **Y** |
| Arising SWMASubReg | Former Government Planning Region sub-region, usually county level, where hazardous waste came from. | **Y** | **Y** | **Y** |
| Arising Planning Region | Former Government Planning Region where hazardous waste came from. | **Y** | **Y** | **Y** |
| Consignee District | District of destination waste management facility. | **Y** | **Y** | **Y** |
| Consignee WPA | Waste Planning Authority of destination waste management facility. | **Y** | **Y** | **Y** |
| Consignee SWMASubReg | Former Government Planning Region sub-region, usually county level, of destination waste management facility. | **Y** | **Y** | **Y** |
| Consignee Planning Region | Former Government Planning Region of destination waste management facility. | **Y** | **Y** | **Y** |
| Waste\_fate | Type of destination waste management facility e.g. landfill, treatment etc. | **Y** | **Y** | **Y** |
| Waste\_class | Description of EWC Chapter. This describes high level classification of type of waste e.g. Inorganic Chemical Processes etc | **Y** | **Y** | **Y** |
| Classification | EWC Chapter number that describes waste – designated by numbers. E.g. 01, 02 etc | **Y** | **Y** | **Y** |
| Quantity | Tonnage of waste moved | **Y** | **Y** | **Y** |

### Hazardous Waste Registrations with SIC Code (AfA043)

|  |
| --- |
| **Description**  The Hazardous Waste Regulations 2005 require that anyone who produces or holds hazardous waste at any premises in **England and Wales** must register the premises with the EA **each year,** unless the total quantity of hazardous waste is less than 500kg each year.  Customers can register online, by telephone or on a paper application form. There is an online public register that allows searches to be run on registrations which shows the business name, registration reference, address, postcode, registration start date and registration end date. The dataset contains about 160,000 live registrations.  This dataset includes the contact details for each registrant(, their primary SIC code identifying business type and number of employees (by category)).  SIC (Standard Industrial Classification) codes should be treated with caution. A SIC code is provided by the registrant and indicates its principal area of business. This has not been validated by the Environment Agency, and the registrant may also operate in a number of other activities.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BD6B439D4-9C80-409D-9056-E97C3CFD1C60%7D>    **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  National Data Team  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  SIC (Standard Industrial Classification) codes should be treated with caution. A SIC code is provided by the registrant and indicates its principal area of business. This has not been validated by the Environment Agency, and the registrant may also operate in a number of other activities.  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Registration Reference |  | **Y** | **Y** | **Y** |
| Business Name |  | **Y** | **Y** | **Y** |
| Site Address |  | **Y** | **Y** | **Y** |
| Post Code |  | **Y** | **Y** | **Y** |
| Business Phone No |  | **Y** | **Y** | **Y** |
| Business e-mail address |  | **Y** | **Y** | **Y** |
| SIC Code Main Activity |  | **Y** | **Y** | **Y** |
| Company Registration No |  | **Y** | **Y** | **Y** |
| Individual Name |  | **Y** | **Y** | **Y** |
| Applicant Address |  | **Y** | **Y** | **Y** |
| Applicant Post Code |  | **Y** | **Y** | **Y** |
| Registration Start Date |  | **Y** | **Y** | **Y** |
| Registration End Date |  | **Y** | **Y** | **Y** |
| No of Employees |  | **Y** | **Y** | **Y** |
| Applicant Business Name |  | **Y** | **Y** | **Y** |

### 

### Historic Landfill (AfA034)

|  |
| --- |
| **Description**  Under the Town and Country Planning (General Development Procedure) Order 1995 Local Planning Authorities have to consult with the Environment Agency about all applications they receive to develop land within 250 metres of landfill sites (including any land that has been used as a landfill site within the past 30 years or is likely to be used as one in the near future).  The Historic Landfill dataset was created to help fulfil our statutory responsibility to Local Planning Authorities by supplying information on the risks posed by landfill sites for development within 250m. The data is the most comprehensive and consistent national historic landfill dataset and defines the location of, and provides specific attributes for, known historic (closed) landfillsites, i.e. sites where there is no PPC permit or waste management licence currently in force. This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where this licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.  Historic Landfill includes all relevant historic information for the sites that both local authorities and the Environment Agency have collected over the years. The data is available in ESRI shape file format, with the boundaries digitised from a base scale of 1:10,000 and an associated attribute table comprising 34 fields. The polygons and attributes describe where the sites were located, when they were used, who used them and what was deposited. This means there are name and address fields, licensee and operator information, licence issue and surrender dates, first and last input dates, and waste types, together with some historical comments.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B4E878C42-26DF-4336-9F21-D5650BCCE28D%7D  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  National Data Team  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| HLD\_REF | Historical Waste Data project Unique Key for each record [String, 10] | **Y** | **Y** | **Y** |
| SITE\_NAME | Site Name [String, 200] | **Y** | **Y** | **Y** |
| SITE\_ADD | Site Address [String, 200] | **Y** | **Y** | **Y** |
| EA\_WMLR | Environment Agency Waste Management Licence Number [String, 5] | **Y** | **Y** | **Y** |
| REGIS\_NO | REGIS reference number [String, 11] | **Y** | **Y** | **Y** |
| WRC\_REF | WRC dataset reference [String, 9] | **Y** | **Y** | **Y** |
| BGS\_Num | BGS dataset Reference Number [String, 4] | **Y** | **Y** | **Y** |
| SITE\_REF | Waste Regulation Authority Licence Number [String, 100] | **Y** | **Y** | **Y** |
| LIC\_HOLD | Licence Holder [String, 150] | **Y** | **Y** | **Y** |
| LICHOLDADD | Licence Holder's address [String, 250] | **Y** | **Y** | **Y** |
| SITEOPNAME | Site Operator [String, 50] | **Y** | **Y** | **Y** |
| SITEOPADD | Site Operator's address [String, 250] | **Y** | **Y** | **Y** |
| OS\_PREFIX | OS Prefix [String, 2] | **Y** | **Y** | **Y** |
| EASTING | Easting (automated at nearest 100m grid to the South West of the Site Centroid) [String, 6] | **Y** | **Y** | **Y** |
| NORTHING | Northing (automated at nearest 100m grid to the South West of the Site Centroid) [String, 6] | **Y** | **Y** | **Y** |
| EAREGION | Code identifying the Environment Agency Region in which the site is located [String, 2] | **Y** | **Y** | **Y** |
| EAAREA | Code identifying the Environment Agency Area in which the site is located [String, 30] | **Y** | **Y** | **Y** |
| LIC\_ISSUE | Date of Issue of Licence [Date, 8] | **Y** | **Y** | **Y** |
| LIC\_SURREN | Date of surrender of Licence [Date, 8] | **Y** | **Y** | **Y** |
| FIRSTINPUT | Date of first input of waste [Date, 8] | **Y** | **Y** | **Y** |
| LASTINPUT | Date of last input of waste [Date, 8] | **Y** | **Y** | **Y** |
| INERT | Waste deposited at the site included Inert [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| INDUSTRIAL | Waste deposited at the site included industrial waste [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| COMMERCIAL | Waste deposited at the site included Commercial [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| HOUSEHOLD | Waste deposited at the site included Household [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| SPECIAL | Waste deposited at the site included Special [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| LIQSLUDGE | Waste deposited at the site included Liquid Sludge [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| WASTEUNK | Waste deposited at the site included some unknown material [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| GASCONTROL | A flag recording if there was any Gas control measures installed at the site [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| LEACHATECNT | A flag recording if there was any Leachate control measures installed at the site [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| EXEMPT | Was the site known to be exempt from Waste Management Licensing [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| LICENCED | Was the site licensed under Waste Disposal or Waste Management Licensing [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| NOLICREQ | Was the site known to have not required a licence [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| BUFF\_POINT | Flag (yes/no) field for Buffered Point polygons [‘Yes’ or blank, 3] | **Y** | **Y** | **Y** |
| WASTECOM1 | Any recorded comments on the waste type [String, 254] | **N** | **N** | **N** |
| WASTECOM2 | Any recorded comments on the waste type (additional field) [String, 254] | **N** | **N** | **N** |
| WASTECOM3 | Any recorded comments on the waste type (additional field) [String, 254] | **N** | **N** | **N** |
| HISTCOM1 | Any comments relating to the history or chronological changes to the site [String, 254] | **N** | **N** | **N** |
| HISTCOM2 | Any comments relating to the history or chronological changes to the site (additional field) [String, 254] | **N** | **N** | **N** |
| HISTCOM3 | Any comments relating to the history or chronological changes to the site (additional field) [String, 254] | **N** | **N** | **N** |
| MONITCOM1 | Any comments relating to Gas or Leachate monitoring [String, 254] | **N** | **N** | **N** |
| MONITCOM2 | Any comments relating to Gas or Leachate monitoring (additional field) [String, 254] | **N** | **N** | **N** |

### 

### International Waste Shipments exported from England and Wales (AfA328)

### International Waste Shipments received from England and Wales (AfA329)

### International Waste Shipments exported to England and Wales (AfA330)

### International Waste Shipments received in England and Wales (AfA331)

### International Waste Shipments from England and Wales – indicative (AfA414)

### International Waste Shipments into England and Wales – indicative (AfA415)

|  |
| --- |
| **Description**  Records of International shipments permitted under the Transfrontier Shipment of Waste Regulations 2007.  Shipments into or out of the UK qualify as International Waste Shipments. They are registered to the country where the producer or receiver is registered, regardless of the exit or entrance point from/to the UK.  The Environment Agency holds details of producers and receivers registered in England.  This dataset initially covers Refuse Derived Fuel, with other waste types being added over time.  Refuse-derived fuel (RDF) is waste typically from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising, etc). RDF consists largely of combustible components of both municipal and commercial industrial waste, such as plastics and biodegradable waste.  Shipments are recorded in four groups; Waste leaving the UK, Waste arriving in another country from the UK, Waste leaving another country destined for the UK, and Waste arriving in the UK from another country.   * Waste exported from England, permitted under the Transfrontier Shipment of Waste Regulations 2007. * Waste received from England, permitted under the Transfrontier Shipment of Waste Regulations 2007. * Waste imported from England, permitted under the Transfrontier Shipment of Waste Regulations 2007. * Waste received in England, permitted under the Transfrontier Shipment of Waste Regulations 2007.   Permit holders give indicative figures for how much waste they wish to have approved for import/export. They are not forecasts or projections.   * Indicative amounts of waste anticipated for export, permitted under the Transfrontier Shipment of Waste Regulations 2007. These are broad approvals. They give an inaccurate overestimate of actual exports.   Indicative amounts of waste anticipated for import, permitted under the Transfrontier Shipment of Waste Regulations 2007. These are broad approvals. They give an inaccurate overestimate of actual imports.  **Issues to Note**  Not all waste types are included. The list for inclusion is gradually being added to.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  AfA328 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BEA545C34-2EF0-49E4-8A24-64463B5FE2A0%7D>  AfA329 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B80281CB0-F64D-4D5F-BF5A-4996BB540D5F%7D>  AfA330 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BDEAAEE11-BE55-428B-943C-EBC058058247%7D>  AfA331 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BD31EBC54-84CF-4FF2-9231-2DBCC8A055C9%7D>  AfA414 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B93EF4B5D-BBF1-49D7-9BFA-B7B3C6A3960A%7D>  AfA415 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B67310C29-56C4-4DE3-B0CB-0D29F08392B6%7D>  **Update frequency**  Monthly  **Supply frequency**  Monthly  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  .csv  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **International Waste Shipments exported from England** | | | | |
| Notifier | Name of Company Exporting waste | **Y** | **Y** | **Y** |
| Country of Destination | Name of country | **Y** | **Y** | **Y** |
| Waste Type | e.g. Refuse Derived Fuel | **Y** | **Y** | **Y** |
| Quantity Received | Amount, in tonnes, of waste exported in month | **Y** | **Y** | **Y** |
| **International Waste Shipments received from England** | | | | |
| Consignee | Entered by the person sending the waste. This is the name of the company importing the waste or, on occasion, the name of the facility to which the waste is destined. | **Y** | **Y** | **Y** |
| Country of destination | Name of country | **Y** | **Y** | **Y** |
| Waste Type | e.g. Refuse Derived Fuel | **Y** | **Y** | **Y** |
| Quantity Received | Amount, in tonnes, of waste exported in month | **Y** | **Y** | **Y** |
| **International Waste Shipments exported to England** | | | | |
| Notifier | Name of Company Exporting waste | **Y** | **Y** | **Y** |
| Country of Origin | Name of country | **Y** | **Y** | **Y** |
| Waste Type | e.g. Refuse Derived Fuel | **Y** | **Y** | **Y** |
| Quantity Received | Amount, in tonnes, of waste imported in month | **Y** | **Y** | **Y** |
| **International Waste Shipments received in England** | | | | |
| Consignee | Name of company importing waste | **Y** | **Y** | **Y** |
| Waste type | e.g. Refuse Derived Fuel | **Y** | **Y** | **Y** |
| Amount received | Amount, in tonnes, of waste imported in month | **Y** | **Y** | **Y** |
| **International Waste Shipments from England – indicative** | | | | |
| Notifier | Name of Company Exporting waste | **Y** | **Y** | **Y** |
| Country of Destination | Country name | **Y** | **Y** | **Y** |
| Waste Type | e.g. Refuse Derived Fuel | **Y** | **Y** | **Y** |
| Quantity Approved | Approved quantity for month (tonnes) | **Y** | **Y** | **Y** |
| **International Waste Shipments into England – indicative** | | | | |
| Notifier | Name of Permitted Company Exporting waste | **Y** | **Y** | **Y** |
| Country of Origin | Country name | **Y** | **Y** | **Y** |
| Waste Type | e.g. Refuse Derived Fuel | **Y** | **Y** | **Y** |
| Quantity Approved | Approved quantity for month (tonnes). | **Y** | **Y** | **Y** |

### 

### Inventory of Closed Mining Waste Facilities (AfA260)

**Description:**

The European Mining Waste Directive (2006/21/EC) requires Member States to create an inventory of closed or abandoned mine waste facilities causing serious environmental impacts, and to make this inventory available to the public.

A waste facility means any area designated for the accumulation or deposit of extractive waste.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme and IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={02A2B202-1C13-42CC-9BFB-A2A3AF660C88}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b02A2B202-1C13-42CC-9BFB-A2A3AF660C88%7d)

**Update frequency**

Biannual

**Supply frequency**

Biannual

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

ESRI Shapefile

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| FID | | Primary Key | **Y** | **Y** | **Y** |
| SHAPE | | Geometry type: Point | **Y** | **Y** | **Y** |
| URN | | Unique Reference Number for site | **Y** | **Y** | **Y** |
| SITE\_NAME | Name of mine waste facility | | **Y** | **Y** | **Y** |
| MINE\_TYPE | | Type of mineral extracted (i.e. coal, metalliferous, building minerals, industrial minerals | **Y** | **Y** | **Y** |
| REASON | | Reason site is on the inventory (i.e. Water pollution, Human health, Instability hazard, Fire Hazard) | **Y** | **Y** | **Y** |
| EASTINGS | Site location - Eastings | | **Y** | **Y** | **Y** |
| NORTHINGS | | Site location - Northings | **Y** | **Y** | **Y** |
| LA | | Local authority in which the site is located | **Y** | **Y** | **Y** |

### National Compliance Assessment (AfA410)

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| --- |
| **Description**  This contains information from National Compliance Assessment Database (NCAD).  It is a high level summary of types of compliance assessment activities carried out at permitted sites for waste operations and installations comprising:   * Data of assessment * Assessment type.   Assessment types are:   * site visit, * audit, (on site or paper) * check monitoring, * data review or * procedure review.   We exclude sites where we accept Commercial Confidentiality or where National Security applies.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={A9970748-28DD-44E9-BFC7-BD64F1B893A6}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bA9970748-28DD-44E9-BFC7-BD64F1B893A6%7d)  **Update frequency**  Ongoing  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit reference of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Operator Name | Name of operator of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Site Name | Site name of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Site Address | Site address of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Date of Assessment | Date of compliance assessment of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Assessment Type | Type of compliance assessment carried out at regulated waste operation or installation. These include site visit, audit, check monitoring, data review or procedure review. | **Y** | **Y** | **Y** |
| Site Type | Description of primary activity of regulated waste operation or installation e.g. non hazardous waste transfer station, manufacture of organic chemicals, etc | **Y** | **Y** | **Y** |
| EA Area | EA area where regulated waste operation or installation is located. | **Y** | **Y** | **Y** |
| Local Authority | Local authority where regulated waste operation or installation is located. | **Y** | **Y** | **Y** |

### National Compliance Indicators year (AfA411)

|  |
| --- |
| **Description**  High level summary of Opra (Operation Risk Assessment) compliance rating and numbers of compliance assessment activities carried out at permitted sites for waste operations and installations for a calendar year.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BE09E1325-3C2B-42FB-BC14-E81EC1C9FD49%7D>    **Update frequency**  Ongoing  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit reference of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Operator Name | Name of operator of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Site Name | Site name of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Site Address | Site address of regulated waste operation or installation | **Y** | **Y** | **Y** |
| Local Authority | Local authority where regulated waste operation or installation is located. | **Y** | **Y** | **Y** |
| EA Area | EA area where regulated waste operation or installation is located. | **Y** | **Y** | **Y** |
| Compliance Indicator | Opra compliance rating (Bands A-F) as in indication of risk of the site, where A is a measure of good compliance. | **Y** | **Y** | **Y** |
| Number of compliance assessments | Number of compliance activities carried out at the site in the year. | **Y** | **Y** | **Y** |

### Opra (AfA402)

|  |
| --- |
| **Description**  Opra (Operational Risk Appraisals) covers industrial process installations and waste operations. This dataset includes data from 2012-13 onwards.  Opra scores categorise the environmental risk of installations and waste operations by assessing them on the basis of   * Complexity (A-E) * emissions & inputs (A-E) * location (A-E) * operator performance (A-E) * compliance (calculated annually) (A-F)   A being the lowest risk category. E/F being the highest risk category.  Total risk is a numeric score calculated by summing the five attributes.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBA  **Update frequency**  Annual – financial year  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit Reference of site | **Y** | **Y** | **Y** |
| Operator Name` | Name of operator authorised to carry out permitted activity | **Y** | **Y** | **Y** |
| Site Name | Name of authorised site | **Y** | **Y** | **Y** |
| Operator Site Address & Postcode | Address and postcode of authorised site. | **Y** | **Y** | **Y** |
| Site Type | Description of authorised activity (standard list) | **Y** | **Y** | **Y** |
| Compliance Attribute Band | Band rating (between A and F) as a measure of compliance with permit conditions.  Band F is the poorest performance. | **Y** | **Y** | **Y** |
| Complexity Attribute Band | Band rating (between A and E) as a measure of activities on site. | **Y** | **Y** | **Y** |
| Emissions & Inputs Attribute Band | Band rating (between A and E) as a measure of inputs and emissions of site. | **Y** | **Y** | **Y** |
| Location Attribute band | Band rating (between A and E) as a measure of locational risks associated with the site e.g. near SSSI etc. | **Y** | **Y** | **Y** |
| Operator Performance Attribute Band | Band rating (between A and E) as a measure of the enforcement history of the operator and level of management systems available on site. | **Y** | **Y** | **Y** |
| Total Profile Score | Overall numeric score for Opra profile using weightings for bands in 6 – 10 (above) | **Y** | **Y** | **Y** |

### Opra Historic (AfA408)

|  |
| --- |
| **Description**  Opra (Operational Risk Appraisals) covers industrial process installations and waste operations.  This AfA covers records with Compliance Classification Scheme data before EPR 2010 (typically records from 2011/12 and earlier).  Opra scores categorise the environmental risk of installations and waste operations by assessing them on the basis of   * Complexity (A-E) * emissions & inputs (A-E) * location (A-E) * operator performance (A-E) * compliance (calculated annually) (A-F)   A being the lowest risk category. E/F being the highest risk category.  Total risk is a numeric score calculated by summing the five attributes.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  TBA  **Update frequency**  Annual – financial year  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Before EPR (2010) Compliance Classification Scheme (CCS) data contained in this dataset were covered under various legislation. The Approved fields can always be released.  To release other fields (operator/geographical information) you must check the relevant legislation to see whether the CCS data used in the records you are seeking to release has Public Register status. If Public Register status does not apply you must make an individual assessment of Not Approved fields.  Where it has Public Register status any of this data may be released. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit Reference of site | **Y** | **Y** | **Y** |
| Operator Name` | Name of operator authorised to carry out permitted activity | **Y** | **Y** | **Y** |
| Site Name | Name of authorised site | **Y** | **Y** | **Y** |
| Operator Site Address & Postcode | Address and postcode of authorised site. | **Y** | **Y** | **Y** |
| Site Type | Description of authorised activity (standard list) | **Y** | **Y** | **Y** |
| Compliance Attribute Band | Band rating (between A and F) as a measure of compliance with permit conditions.  Band F is the poorest performance. | **N** | **N** | **N** |
| Complexity Attribute Band | Band rating (between A and E) as a measure of activities on site. | **Y** | **Y** | **Y** |
| Emissions & Inputs Attribute Band | Band rating (between A and E) as a measure of inputs and emissions of site. | **Y** | **Y** | **Y** |
| Location Attribute band | Band rating (between A and E) as a measure of locational risks associated with the site e.g. near SSSI etc. | **Y** | **Y** | **Y** |
| Operator Performance Attribute Band | Band rating (between A and E) as a measure of the enforcement history of the operator and level of management systems available on site. | **Y** | **Y** | **Y** |
| Total Profile Score | Overall numeric score for Opra profile using weightings for bands in 6 – 10 (above) | **N** | **N** | **N** |

### Opra Statistics (AfA409)

|  |
| --- |
| **Description**  Opra (Operational Risk Appraisals) covers industrial process installations and waste operations.  This dataset excludes attribution that allows location or operator to be identified. More detailed current data is available under AfA402 ‘Opra’.  Opra scores categorise the environmental risk of installations and waste operations by assessing them on the basis of   * Complexity (A-E) * emissions & inputs (A-E) * location (A-E) * operator performance (calculated annually)(A-E) * compliance (A-F)   A being the lowest risk category. E/F being the highest risk category.  Total risk is a numeric score calculated by summing the five attributes.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBA  **Update frequency**  Annual – financial year  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Site Type | Description of authorised activity (standard list) | **Y** | **Y** | **Y** |
| Compliance Attribute Band | Band rating (between A and F) as a measure of compliance with permit conditions.  Band F is the poorest performance. | **Y** | **Y** | **Y** |
| Complexity Attribute Band | Band rating (between A and E) as a measure of activities on site. | **Y** | **Y** | **Y** |
| Emissions & Inputs Attribute Band | Band rating (between A and E) as a measure of inputs and emissions of site. | **Y** | **Y** | **Y** |
| Location Attribute band | Band rating (between A and E) as a measure of locational risks associated with the site e.g. near SSSI etc. | **Y** | **Y** | **Y** |
| Operator Performance Attribute Band | Band rating (between A and E) as a measure of the enforcement history of the operator and level of management systems available on site. | **Y** | **Y** | **Y** |
| Total Profile Score | Overall numeric score for Opra profile using weightings for bands in 6 – 10 (above) | **Y** | **Y** | **Y** |

### OSPAR (AfA023)

|  |
| --- |
| **Description**  The Convention for the Protection of the Marine Environment of the North-East Atlantic know as the OSPAR Convention 1998 (Oslo Convention 1972 & Paris Convention 1974), is an agreement signed by a number of European countries (including the United Kingdom) to protect the quality of the North East Atlantic. The objective of the OSPAR Convention is to take all possible steps to prevent and eliminate pollution entering the sea.  The OSPAR Convention provides standard methods for estimating the inputs of selected pollutants to the sea by using fixed sampling schedule and a standard input calculation.  All principal rivers are sampled monthly (12 times a year) just upstream of their tidal limits. For those rivers carrying the heaviest contaminant loads the sampling frequency maybe increased beyond the minimum of 12. Major trade effluents and sewage effluents to estuaries or coastal waters are also sampled monthly to assess direct discharges to marine waters. Flow values of discharges direct to estuary or sea are sometimes provided by the operators themselves. This is usually part of statutory monitoring arrangements.  The aim of these programmes is to assess the level of contamination entering the sea from England and Wales (the ‘load’) and to chart the progress in the reduction of this load.  The substances controlled under OSPAR are: Mercury, Cadmium, Copper, Zinc, Lead, PCB, gamma-HCH, Orthophosphate, Phosphorous (total), Nitrate, Nitrogen (total) and suspended particulate material. The load of contamination to the sea is measured at over 300 sites around the coast of England and Wales. These sites have been grouped into thirty two coastal zones.  OSPAR data is updated annually approximately 6 months through the year for the previous year. Data held ranges from 1998 to the present.  It’s high/low based on twelve annual samples  This product provides a pair of annual estimates for each sampling point, known as high load, and low load.  The difference between the high and low load estimates is owing to the way in which the samples with results at the ‘limit of detection’ are treated. The limit of detection is the lowest concentration of a substance that can be reliably measured – any real concentration lower than this level, including zero, is reported as being present at “less than” the limit of detection concentration.  Where the substance has been analysed for but the concentration is below the limit of detection, a calculation can be made assuming that it is not present at all (a low load estimate). Alternatively, a calculation can be made by assuming that the substance is present exactly at the limit of detection (a high load estimate). The low load calculation gives an optimistic estimate of the real load, whereas the high load calculation gives a pessimistic estimate. The real load discharged will be somewhere between these two figures.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  N/A  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  National Directives team  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Details on contaminants input levels. (DataLoad\_HighLow)** | | | | |
| SiteID | WIMS site reference | **Y** | **Y** | **Y** |
| Max\_or\_Min | Max or min value as "High" or "Low" | **Y** | **Y** | **Y** |
| EDMS\_ID | Unique identifier for EDMS - combination of fields that are unique identifier | **Y** | **Y** | **Y** |
| Reg\_in\_Briefs | Abbreviation for Region | **Y** | **Y** | **Y** |
| Sample\_Year | Year in which samples were taken | **Y** | **Y** | **Y** |
| FLOW\_VALUE | Flow reported as m3 per day. This will be the estimated river flow for rivers discharging to sea. For discharges direct-to-sea this will be the rate of the discharge itself (e.g. pipe flow). | **Y** | **Y** | **Y** |
| Internal\_Det\_Code | Substance code from look up table. | **Y** | **Y** | **Y** |
| Result | Load value (kg/year for metals and nutrients, g/year for organics) | **Y** | **Y** | **Y** |
| Percent\_LOD | Percent of samples for Determinand below Limit of Detection. | **Y** | **Y** | **Y** |
| **Details on contaminant reporting requirements. (Det\_Usage)** | | | | |
| Internal\_Det\_Code | Code used in database for determinands | **Y** | **Y** | **Y** |
| Parcom | The determinands that are required for OSPAR reporting | **Y** | **Y** | **Y** |
| AIA | The determinands that are required for Annex 1A reporting | **Y** | **Y** | **Y** |
| RIDS | The determinands that are required for RIDS reporting | **Y** | **Y** | **Y** |
| **Lookup table of coastal zones (ICES)** | | | | |
| ICES\_zone | ICES (International Council for Exploration of the Sea) zone number | **Y** | **Y** | **Y** |
| ICES\_name | ICES zone name | **Y** | **Y** | **Y** |
| **Lookup table of determinand details (Global\_Determinands)** | | | | |
| Internal\_Det\_Code | Code used in Parcom for determinands | **Y** | **Y** | **Y** |
| DETE\_DESC | Full name | **Y** | **Y** | **Y** |
| Short\_Descr | Chemical symbol, or abbreviated name | **Y** | **Y** | **Y** |
| Column\_Header | Column header in spreadsheet format (tblDataImport\_SF) | **Y** | **Y** | **Y** |
| Comments | Comments aiding understanding of what the determinand is – free text | **Y** | **Y** | **Y** |
| RIDS\_Reports | Denotes those determinands which are to be used un RIDS reports | **Y** | **Y** | **Y** |
| **Details of sites where determinands are periodically sampled. (Site\_Inventory)** | | | | |
| Site\_ID | WIMS site reference | **Y** | **Y** | **Y** |
| Reg\_in\_Briefs | Three letter abbreviation of region | **Y** | **Y** | **Y** |
| REGION | Region name in full | **Y** | **Y** | **Y** |
| LOC\_TITLE | Sample point location name | **Y** | **Y** | **Y** |
| REC\_WATER | Interpretation of the term ‘Receiving Water’ may vary. | **Y** | **Y** | **Y** |
| SEA | Sea into which the outflow occurs, as specified by RIDS: Irish Sea, Celtic Sea, Channel, North Sea | **Y** | **Y** | **Y** |
| SEA\_2 | Sea into which the outflow occurs, as used by EA: Irish Sea, Bristol Channel, English Channel, North Sea | **Y** | **Y** | **Y** |
| NGR | Sample point National Grid Reference | **Y** | **Y** | **Y** |
| ICES\_ZONE | International Convention for the Exploration of the Seas - ICES zone (clockwise round the coast from1 in NE to 30 in NW) | **Y** | **Y** | **Y** |
| DISCHARGE | Discharge type: Sewage, Industrial, River (main), River (tributary) | **Y** | **Y** | **Y** |
| DISCHARGE\_2 | Discharge type: Sewage, Industrial | **Y** | **Y** | **Y** |
| Eastings | Eastings | **Y** | **Y** | **Y** |
| Northings | Northings | **Y** | **Y** | **Y** |
| Active | Still used as a OSPAR/A1A site | **Y** | **Y** | **Y** |
| Comments | Reasons for changes to inclusion of sites in this dataset. Identity of the EA member of staff determining inclusion or exclusion of a site may be included with their permission. Personal details of internal or external data providers or samplers will not be included. | **Y** | **Y** | **Y** |
| Site\_ID\_temp | Site reference code used before WIMS code was available | **Y** | **Y** | **Y** |
| **Details of site usage. (site\_usage)** | | | | |
| Site\_ID | WIMS site reference | **Y** | **Y** | **Y** |
| Reg\_in\_Briefs | Abbreviation for region | **Y** | **Y** | **Y** |
| Parcom | The determinands that are required for OSPAR reporting | **Y** | **Y** | **Y** |
| AIA | The determinands that are required for Annex 1A reporting | **Y** | **Y** | **Y** |
| **Lookup table of units (Units)** | | | | |
| UNIT\_CODE | Look up code for unit (Primary key for table) | **Y** | **Y** | **Y** |
| UNIT\_DESC | e.g. MILLILITRE PER GRAM | **Y** | **Y** | **Y** |
| UNIT\_SHORT\_DESC | e.g. ml/g | **Y** | **Y** | **Y** |
| Previous\_NW\_Code | Reference to old code | **Y** | **Y** | **Y** |
| Previous\_WIMS\_Code | Reference to old code | **Y** | **Y** | **Y** |
| COMMENTS | Comments aiding understanding of what the unit is – free text | **Y** | **Y** | **Y** |
| **Version History (Version)** | | | | |
| Version\_Number | Version of database | **N** | **N** | **N** |
| Version\_Changes | Detail of changes made | **N** | **N** | **N** |
| Version\_Amender | Name of EA staff member who implemented changes | **N** | **N** | **N** |
| Version\_Date | Date changes made | **N** | **N** | **N** |

### Packaging Flow Consolidated year (AfA362)

|  |
| --- |
| **Description**  Summary of packaging flow in and out of the UK based on Producer figures.  These figures are used as the baseline to determine Producers’ obligations.  Further details of this process are in the Producer Responsibility Packaging Waste Regulations 2007 (as amended).  This data combines all UK registrants.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA OpenData  **Metadata link**  TBA  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  ProRes team - [HO - NOG - NOS - NTRS - Producer Resp](http://intranet.ea.gov/organisation/staff/staffresults.aspx?department=HO+-+NOG+-+NOS+-+NTRS+-+Producer+Resp)  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Organisation | UK data | **Y** | **Y** | **Y** |
| NPWD Code | Not relevant as the data does not relate to any particular producer | **Y** | **Y** | **Y** |
| Registration Year | This report can be pulled for all year since the regs began (2007) | **Y** | **Y** | **Y** |
| Producer Types | Always states all Producers | **Y** | **Y** | **Y** |
| Primary Activity | Always states primary activities | **Y** | **Y** | **Y** |
| Number of Producers | The number of producers who are registered broken down to those who are registered with a scheme and those who have directly registered. | **Y** | **Y** | **Y** |
| Number of Allocation Producers | The number of producers who have opted to use the allocation method to work out their obligation (Allocation method is simply another way of working out targets which reduces the burden on small business’s having to work out their targets) broken down to those who are registered with a scheme and those who have directly registered. | **Y** | **Y** | **Y** |
| Table 1 | Packaging reported by businesses | **Y** | **Y** | **Y** |
| Table 2a | Packaging Exported outside the UK by the producer which is a subset of Table 1 | **Y** | **Y** | **Y** |
| Table 2b | Packaging Exported outside the UK by the business which is a subset of Table 1 | **Y** | **Y** | **Y** |
| Table 3a | Packaging Imported into the UK for the purpose of an Activity (converting, filling or selling) | **Y** | **Y** | **Y** |
| Table 3b | Packaging Imported into the UK which they intend to throw away thus waste entering into the UK waste stream | **Y** | **Y** | **Y** |
| Table 3c | Packaging Imported into the UK which is subsequently Exported | **Y** | **Y** | **Y** |
| PACKAGING HANDLED | The total packaging that is being used by business’s in the UK, imported and exported | **Y** | **Y** | **Y** |
| Packaging Recycling Obligation (Allocation Producers) | Total tonnages of packaging materials that has to be recycled by producers who have opted to use the allocation method to work out their obligation (Allocation method is simply another way of working out targets which reduces the burden on small businesses having to work out their targets) | **Y** | **Y** | **Y** |
| CALCULATION SUMMARY | The final figures after all the calculations have been carried out from all the tables in this report. Reference to ‘your company’ in this instance means ‘UK total’. | **Y** | **Y** | **Y** |
| The total Recovery Obligation is | The total recovery of packaging waste which needs to be carried out by producers within the UK. | **Y** | **Y** | **Y** |
| The total Recycling Obligation is | The total Recycling of packaging waste which needs to be carried out by producers within the UK. | **Y** | **Y** | **Y** |

### Packaging Regulations - Approved Reprocessors and Exporters (AfA243)

|  |
| --- |
| **Description**  Contact details of approximately 350 Packaging reprocessors and exporters who have registered with the Environment Agency under the Producer Responsibility Regulations for Packaging. Complete details are available for registered companies etc. Some data is omitted for other reprocessors and exporters for data protection reasons.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={0F8BF19E-46B9-419F-B861-0A9F762B870E}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0F8BF19E-46B9-419F-B861-0A9F762B870E%7d)  **Update frequency**  Monthly  **Supply frequency**  Annual  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Requests for fields that are excluded for Data Protection reasons should be assessed on a case by case basis. It may be appropriate to consult the National Data Protection Manager |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| UK Reprocessor Name |  | **Y** | **Y** | **Y** |
| UK Reprocessor Address |  | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact name (for limited companies only) | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact company email address (for limited companies only) | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact business email address (partnerships and sole traders) | **N** | **N** | **N** |
| UK Reprocessor contact details | Contact limited liability partnership email address | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact company telephone number (includes partnerships and individuals) | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact company correspondence address (includes partnerships and individuals). | **Y** | **Y** | **Y** |
| UK Reprocessor NPWD number | Reference number on EA National Packaging Waste Database | **Y** | **Y** | **Y** |
| Exporter Name |  | **Y** | **Y** | **Y** |
| Exporter Address |  | **Y** | **Y** | **Y** |
| Exporter contact details | Contact name (for limited companies only) | **Y** | **Y** | **Y** |
| Exporter contact details | Contact limited company email address, (for limited companies only) | **Y** | **Y** | **Y** |
| Exporter contact details | Contact business e-mail address (partnerships and sole traders) | **N** | **N** | **N** |
| Exporter contact details | Contact limited company telephone number | **Y** | **Y** | **Y** |
| Exporter contact details | Contact business telephone number (partnerships and sole traders) | **N** | **N** | **N** |
| Exporter contact details | Contact limited company correspondence address | **Y** | **Y** | **Y** |
| Exporter contact details | Contact business correspondence address (includes partnerships and individuals). | **Y** | **Y** | **Y** |
| Exporter NPWD Number |  | **Y** | **Y** | **Y** |

### Packaging Regulations – Producers – Registered Entities only (AfA228)

**Description:**

Contact details of approximately 5250 Packaging producers who have registered with the Environment Agency under the Producer Responsibility Regulations for Packaging.

Owing to data protection concerns we have only included producers who are registered companies (typically PLC, LTD, LLP etc).

**Issues to Note**

N/A

**AfA Category**

AfA (Publication Scheme & IfRR)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={97773650-1260-429C-98C6-C0739020BCF5}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b97773650-1260-429C-98C6-C0739020BCF5%7d)

**Update frequency**

Daily

**Supply frequency**

Annual

**Third Party Prior Rights**

None

**Data Contact / Supply**

Datashare

**Format Supplied**

Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

Requests for fields that are excluded for Data Protection reasons should be assessed on a case by case basis. It may be appropriate to consult the National Data Protection Manager

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Producer Name | Name of Packaging producer | **Y** | **Y** | **Y** |
| Producer Address | Head Office Address of Packaging producer | **Y** | **Y** | **Y** |
| Producer contact details | Contact name (Named contact regarding the Packaging Regulations) | **Y** | **Y** | **Y** |
| Producer contact details | Contact company email address (field only applies to ltd companies) | **Y** | **Y** | **Y** |
| Producer contact details | Contact business e-mail address (field only applies to partnerships and sole traders) | **N** | **N** | **N** |
| Producer contact details | Contact company telephone number (field only applies to ltd companies | **Y** | **Y** | **Y** |
| Producer contact details | Contact business telephone number (field only applies to partnerships and sole traders) | **N** | **N** | **N** |
| Producer contact details | Contact company correspondence address (field only applies to ltd companies | **Y** | **Y** | **Y** |
| Producer contact details | Contact business correspondence address (field only applies to partnerships and sole traders) | **N** | **N** | **N** |

### 

### Packaging Regulations Approved Schemes (AfA244)

|  |
| --- |
| **Description**  Contact details of approximately 24 Packaging schemes who have registered with the Environment Agency under the Producer Responsibility Regulations for Packaging.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={7C589AB7-4F07-4B9F-8C7E-6E12E9461284}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b7C589AB7-4F07-4B9F-8C7E-6E12E9461284%7d)  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Scheme Name |  | **Y** | **Y** | **Y** |
| Scheme Operator Name |  | **Y** | **Y** | **Y** |
| Operator Address | Head Office address of Scheme operator | **Y** | **Y** | **Y** |
| Contact details | Contact name | **Y** | **Y** | **Y** |
| Contact details | Contact company email address (suggest release, all companies, generic emails offered) | **Y** | **Y** | **Y** |
| Contact details | Contact company telephone number and fax number | **Y** | **Y** | **Y** |
| Contact details | Contact company correspondence address and Registered Office Address | **Y** | **Y** | **Y** |

### Permit Administration System (PAS) (AfA003)

|  |
| --- |
| **Description**  -  **Issues to Note**  This dataset has been superseded by AfA021 and may no longer be available.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={49630958-7AB2-48A8-95AB-B4B2F3EC3924}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b49630958-7AB2-48A8-95AB-B4B2F3EC3924%7d&view=fullHtml)  **Update frequency**  Daily  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| <PermitNo> | e.g. BV9438IF | **Y** | **Y** | **Y** |
| <SiteTypeACode> |  | **N** | **N** | **N** |
| <LocalAuthorityCode> | Local Authority name is on PPC IAR | **Y** | **Y** | **Y** |
| <EnvironmentAgencyArea> |  | **Y** | **Y** | **Y** |
| <NationalGridReference> |  | **Y** | **Y** | **Y** |
| <FacilitySiteName> | ‘name of installation where activities occur’ is on PPC IAR | **Y** | **Y** | **Y** |
| <PostCode> | ‘operator postcode’ is on PPC IAR | **Y** | **Y** | **Y** |
| <SiteOperationalStatus> | ‘current status of permission’ on PPC IAR | **Y** | **Y** | **Y** |
| <DateIssued> | Date conditions of authorisation/variation apply’ on PPC IAR | **Y** | **Y** | **Y** |
| <Main Status> | Main status is the equivalent of operational status in REGIS, it defines whether or not the permit is "Effective". Although it does not necessarily mean that the site is operating (i.e. Belvedere has an "Effective" permit but does not even have foundations yet) Unfortunately it is the closest we can get for IPPC sites. ‘current status of permission is on PPC IAR. | **Y** | **Y** | **Y** |

### Permitted Waste Sites – Authorised Landfill Site Boundaries (AfA111)

|  |
| --- |
| **Description**  The ’Permitted Waste Sites - Authorised Landfill Site Boundaries’ is a polygon dataset that contains the boundaries of landfill sites that are currently authorised by the Environment Agency under Environmental Permitting Regulations.  Landfill permits are authorised by a Waste Management Licence, a PPC Permit or an EPR Permit, and are recorded within the Regulatory Information System (Regis). . The system is currently being updated to be replaced with the Integrated Regulation (IR) system which will replace both Regis and PAS (Permit Administration System). The current system allows the Environment Agency to extract data on landfill sites. These can be filtered on the following descriptor codes:   * A1: Co-Disposal Landfill Site; * A2: Other Landfill Site taking Special Waste; * A4: Household, Commercial & Industrial Waste Landfill; * A5: Landfill taking Non-Biodegradable Wastes; * A6: Landfill taking other wastes; * A7: Industrial Waste Landfill (Factory cartilage); * 5.2 A(1) a): Waste Landfilling; >10T/D with capacity>25,000T excluding inert waste; * 5.2 A(1) b): Waste Landfilling; Any other Landfill to which the 2002 regulations apply; * L04: Non Hazardous Landfill; and * L05: Inert Landfill.   It is important to note that because a site is authorised it does not necessarily mean it is accepting waste. Landfill sites are only removed from the dataset on a quarterly basis and added to the Historic Landfill site dataset when the waste licence status changes to either:   * Licence Expired – Some licences issued under the Control of Pollution Act 1974 were time limited and expired on the date specified in the licence; or * Licence Revoked – Licence has been entirely revoked and is no longer in force; or * Licence Surrendered – Operator has successfully surrendered the licence which is no longer in force.   Please note that details of authorisations are retained on the Public Register for a period of twelve months. Therefore there are some records in the Historic Landfill dataset that are Public Register for a short period of time.  **Issues to Note**  The correspondence attributes are on the Public Register, however, due to personal data and commercial confidentiality they are not available for re-use.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={0E9DBD8C-1B2C-4566-9A3D-7F10119B198A}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b0E9DBD8C-1B2C-4566-9A3D-7F10119B198A%7d)  **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  Available on DataShare  **Format Supplied**  Polygon shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Note that the Correspondence attributes are not approved for access and any requests for these attributes should be sent to Data Information. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| OBJECTID | Object Identifier. | **Y** | **Y** | **Y** |
| LIC\_ADMIN | Licence administration number. | **Y** | **Y** | **Y** |
| LIC\_NMBR | Licence reference number. | **Y** | **Y** | **Y** |
| LIC\_IPPCR | IPPC Reference number if relevant. | **Y** | **Y** | **Y** |
| LIC\_WML | Unique Waste Management licence number. | **Y** | **Y** | **Y** |
| CUST\_NMBR | Customer reference number (**intended for internal use only**) | **Y** | **Y** | **Y** |
| STATUS | Landfill status, e.g. Suspended, Closure etc. | **Y** | **Y** | **Y** |
| LIC\_LTYPE | Licence type code. | **Y** | **Y** | **Y** |
| LIC\_NAME | Licence holder’s name, e.g. private individual’s name, company name. | **Y** | **Y** | **Y** |
| CORR\_NAME | Address field 1: Correspondent’s Name, e.g. private individual’s name, company name. | **Y** | **Y** | **N** |
| CORR\_BUILD | Address field 2: Correspondent’s Building, e.g. quarry name. | **Y** | **Y** | **N** |
| CORR\_STRT | Address field 3: Correspondent’s Street. | **Y** | **Y** | **N** |
| CORR\_AREA | Address field 4: Correspondent’s Area. | **Y** | **Y** | **N** |
| CORR\_TOWN | Address field 5: Correspondent’s Town. | **Y** | **Y** | **N** |
| CORR\_CNTY | Address field 6: Correspondent’s County. | **Y** | **Y** | **N** |
| CORR\_PCODE | Address field 7: Correspondent’s Postcode. | **Y** | **Y** | **N** |
| LIC\_SITE | Licensed site’s name. | **Y** | **Y** | **Y** |
| SITE\_NAME | Address field 8: Landfill site Name, e.g. private individual’s name, company name. | **Y** | **Y** | **Y** |
| SITE\_BUILD | Address field 9: Landfill Site Building e.g. Farnham Quarry. | **Y** | **Y** | **Y** |
| SITE\_STRT | Address field 10: Landfill Site Street. | **Y** | **Y** | **Y** |
| SITE\_AREA | Address field 11: Landfill Site Area. | **Y** | **Y** | **Y** |
| SITE\_TOWN | Address field 12: Landfill site Town. | **Y** | **Y** | **Y** |
| SITE\_CNTY | Address field 13: Landfill site County. | **Y** | **Y** | **Y** |
| SITE\_PCODE | Address field 14: Landfill site Postcode. | **Y** | **Y** | **Y** |
| TYPE\_DESC | Landfill type description e.g. A4: Household, Commercial & Industrial Waste Landfill. | **Y** | **Y** | **Y** |
| NGR | British National Grid Reference. | **Y** | **Y** | **Y** |
| ~~LF\_CLASS~~ | ~~Landfill classification e.g. Non-Hazardous, Inert, Hazardous, Pending.~~ | **~~Y~~** | **~~Y~~** | **~~Y~~** |
| T\_REF | Unique polygon reference added by National Data Unit. | **Y** | **Y** | **Y** |
| CTROID\_X | National Grid Easting for the centroid of the polygon. | **Y** | **Y** | **Y** |
| CTROID\_Y | National Grid Northing for the centroid of the polygon. | **Y** | **Y** | **Y** |
| REGION | Environment Agency Region | **Y** | **Y** | **Y** |
| AREA | Environment Agency Area | **Y** | **Y** | **Y** |
| DATE\_ISSUE | Date of issue of waste licence (dd/mm/yyyy). | **Y** | **Y** | **Y** |

### Polychlorinated Biphenyl Register (AfA264)

|  |
| --- |
| **Description**  Transformer equipment which is classified as contaminated with Polychlorinated Biphenyls (PCBs) (50-500ppm) must be registered annually until it is disposed of or decontaminated. The PCB Register contains registration data including company name, contact, site location, and equipment details.  All registrants were corporate or registered entities when we assessed this dataset (2014). Any partnerships or individuals who do register will not be included in this dataset.  The contact details of individuals are not included.  **Issues to Note**  When assessed, there were no non-corporate entity registrants. Non-corporate entity registrants are not approved, owing to personal data concerns.  This register does not have Statutory Public Register status.  We retain data for deregistered companies and equipment but they are not in this dataset. Data for Corporate entities and Registered entities is releasable, but care should be taken over any partnerships or individuals who were registered, as this may be considered their Personal Data.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BE5C75BBD-7CD2-4D4F-BF86-40CF2B3ABA55%7D>  **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **All Registrants** | | | | |
| Registration ID | Unique reference number assigned to each company. | **Y** | **Y** | **Y** |
| New Registration ID | Unique reference number assigned to each company. | **Y** | **Y** | **Y** |
| Current Status | Application is either *received* (awaiting approval)*, granted,* or *cancelled*. | **Y** | **Y** | **Y** |
| Holder Name | Company name. | **Y** | **Y** | **Y** |
| Date Received | Date on which the application was received. | **Y** | **Y** | **Y** |
| Date Renewed | Date on which the application was renewed | **Y** | **Y** | **Y** |
| Username | Name of EA employee who processed the application. | **N** | **N** | **N** |
| Industry Sector | Industry sector in which the company trades; e.g.engineering. | **Y** | **Y** | **Y** |
| Is Deleted | Registration has been deleted following cancellation; *True* or *False*. | **Y** | **Y** | **Y** |
| CommunicationStatus | Whether a Confirmation Letter has been sent; *C\_CF* – sent, *C\_PE* – pending. | **Y** | **Y** | **Y** |
| **Contacts** | | | | |
| Contact ID | Unique reference number assigned to the company contact. | **Y** | **Y** | **Y** |
| New Contact ID | Unique reference number assigned to the company contact | **Y** | **Y** | **Y** |
| Registration ID | Unique reference number assigned to each company. | **Y** | **Y** | **Y** |
| New Registration ID | Unique reference number assigned to each company. | **Y** | **Y** | **Y** |
| Type of Party | Whether details relate to the *Authorised Contact* or *Registered Address.*  *PHOC –Public Entity details*  *PHRC - Corporate Entity details* | **Y** | **Y** | **Y** |
| Full Name of Party |  | **Y** | **Y** | **Y** |
| Trading or Business Name |  | **Y** | **Y** | **Y** |
| Business Postal Address |  | **Y** | **Y** | **Y** |
| Business Postcode |  | **Y** | **Y** | **Y** |
| Telephone Number |  | **Y** | **Y** | **Y** |
| Mobile Number |  | **Y** | **Y** | **Y** |
| Fax Number |  | **Y** | **Y** | **Y** |
| Email address |  | **Y** | **Y** | **Y** |
| Company Registered Office Postal Address |  | **Y** | **Y** | **Y** |
| Company Registered Office Post Code |  | **Y** | **Y** | **Y** |
| Other Corporate Body details | Special details about the company; e.g. Government body. | **Y** | **Y** | **Y** |
| Company Registration Number | Registered company number as per Companies House. | **Y** | **Y** | **Y** |
| **Sites** | | | | |
| Site ID | Unique reference number assigned to each site. | **Y** | **Y** | **Y** |
| New Site ID | Unique reference number assigned to each site. | **Y** | **Y** | **Y** |
| Registration ID | Unique reference number assigned to each company. | **Y** | **Y** | **Y** |
| New Registration ID | Unique reference number assigned to each company. | **Y** | **Y** | **Y** |
| Postal Address of Site | Postal address of the site which holds PCB contaminated equipment. | **Y** | **Y** | **Y** |
| Post Code of Site | Post code of the site which holds PCB contaminated equipment. | **Y** | **Y** | **Y** |
| National Grid Reference Square | National grid reference number for that site. | **Y** | **Y** | **Y** |
| National Grid Reference Northings | National grid reference northings number for that site. | **Y** | **Y** | **Y** |
| National Grid Reference Eastings | National grid reference eastings number for that site. | **Y** | **Y** | **Y** |
| Environment Agency Area Name | Name of the EA area in which the site is located | **Y** | **Y** | **Y** |
| Site Created | Date that the site was first registered. | **Y** | **Y** | **Y** |
| **Equipment** | | | | |
| Declaration ID | Unique reference number assigned to each item of equipment. | **Y** | **Y** | **Y** |
| Registration ID | Unique reference number assigned to each company. | **Y** | **Y** | **Y** |
| Site ID | Unique reference number assigned to each site. | **Y** | **Y** | **Y** |
| Type of Equipment / Stock | What is the item of equipment? e.g. transformer, resistor, etc…. | **Y** | **Y** | **Y** |
| Details of other type of equipment / stock | If not available on the drop-down list, an alternative equipment type can be manually entered. | **Y** | **Y** | **Y** |
| Exact location | Details of where the equipment can be found on the site. | **Y** | **Y** | **Y** |
| Percentage concentration by weight | The percentage of the oil which contains PCBs. | **Y** | **Y** | **Y** |
| Polychlorinated biphenyls (PCB) | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Polychlorinated terphenyls (PCT) | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Monomethyl-dibromo-diphenyl methane | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Monomethyl-dichloro-diphenyl methane | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Monomethyl-tetrachlorodiphenyl methane | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Dichlorinated biphenyls | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Monochlorinated biphenyls | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Polychlorinated napthalenes (PCN) | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Unknown PCB or equivalent | The type of oil contained in the equipment; *True* or *False.* | **Y** | **Y** | **Y** |
| Total quantity of substances - actual | Actual amount of oil in kg contained within the equipment. | **Y** | **Y** | **Y** |
| Total quantity of substances - estimated | Estimated amount of oil in kg contained within the equipment. | **Y** | **Y** | **Y** |
| Type of plan to deal with the equipment or stock | Plan to dispose of the oil when no longer in use; e.g. *disposal, decontamination,* etc…. | **Y** | **Y** | **Y** |
| Other plan details | If not available on the drop-down list, an alternative disposal plan can be manually entered. | **Y** | **Y** | **Y** |
| Biological treatment | The type of oil disposal treatment planned; *True* or *False.* | **Y** | **Y** | **Y** |
| Incineration | The type of oil disposal treatment planned; *True* or *False.* | **Y** | **Y** | **Y** |
| Temporary storage | The type of oil disposal treatment planned; *True* or *False.* | **Y** | **Y** | **Y** |
| Physico-chemical | The type of oil disposal treatment planned; *True* or *False.* | **Y** | **Y** | **Y** |
| Permanent storage | The type of oil disposal treatment planned; *True* or *False.* | **Y** | **Y** | **Y** |
| Method undecided | The type of oil disposal treatment planned; *True* or *False.* | **Y** | **Y** | **Y** |
| Actual Start Date | The actual date on which treatment began. | **Y** | **Y** | **Y** |
| Actual Finish Date | The actual date on which treatment ended. | **Y** | **Y** | **Y** |
| Estimated Start Date | The estimated date on which disposal treatment will begin. | **Y** | **Y** | **Y** |
| Estimated Finish Date | The estimated date on which disposal treatment will end. | **Y** | **Y** | **Y** |
| Holding cancelled | Whether the registration of this equipment has been cancelled; *True* or *False.* | **Y** | **Y** | **Y** |
| Date of holding cancellation | Date on which the equipment registration was cancelled. | **Y** | **Y** | **Y** |
| Reason for holding cancellation | Description of why the registration was cancelled. | **Y** | **Y** | **Y** |
| Status | Status of that item of equipment; *DS\_R* – Received, *DS\_X* – Deleted. | **Y** | **Y** | **Y** |
| Client Ref | Unique reference which the registrant assigns to each item of equipment. | **Y** | **Y** | **Y** |
| Year Created | Year in which the item of equipment was first registered. | **Y** | **Y** | **Y** |
| Year Cancelled | Year in which the item of equipment was cancelled/deregistered. | **Y** | **Y** | **Y** |

### RATS Permitted Landfill (AfA002)

|  |
| --- |
| **Description**  -  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={8829778B-0FD1-4590-BB28-ACDFC0A75922}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b8829778B-0FD1-4590-BB28-ACDFC0A75922%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| PermitNo | PermitNo="10002": This is the Waste Management Licence number | **Y** | **Y** | **Y** |
| LandfillRemaining | Cubic Metres- | **N** | **N** | **N** |
| SiteName | - | **Y** | **Y** | **Y** |
| ACode | Acode="A04": Site Type (Agency code hopefully being replaced with the R&D Codes) | **Y** | **Y** | **Y** |
| LifeOfSiteRemaining | Life Of Site Remaining Years. An estimate of the remaining life of the site in question, returned by the operator | **N** | **N** | **N** |
| WasteReceived  EWCCode="20 03 01" | EWCCode=e.g. "20 03 01". The European Waste Catalogue is the code which we are required to report by, it is now known as the UK List of Waste in UK legislation. It should replace the UKWCS to give one consistent classification of waste. | **Y** | **Y** | **Y** |
| LocalityID | LocalityID="443" what is this?: The ID given given by RATS to the Local Authority of origin of the waste (although we accept that this may actually relate to the location of the last site that the waste travelled through). | **N** | **N** | **N** |
| PhysicalFormCode | PhysicalFormCode="S" what is this?: The form that the waste arrived in (i.e. Solid, Liquid, Sludge, Gas), a formula is applied within Agency systems to calculate this into tonnes. | **N** | **N** | **N** |
| Tonnes | Tonnes="111049.453" is this annual tonnage permitted?: This is the amount of waste received by a site in a quarter. | **N** | **N** | **N** |
| WasteRemoved  EWCCode | WasteRemoved what is this?: The equivalent to the waste received but the site is informing us of what waste it has forwarded and to where. | **N** | **N** | **N** |
| FacilityTypeCode | - | **N** | **N** | **N** |

### Recovery and Recycling Packaging Summary (AfA360)

|  |
| --- |
| **Description**  Provides information/data on recycling & recovery by each quarter.  Figures in this product are for voluntary returns. Although most operators will work within the system owing to the commercial value of claiming credits, there is no obligation to do so. These figures , therefore, may legitimately not reflect the total amount of wastes processed/treated.  Information on non-reporters (by the deadline) is shown. Any subsequent updates (quarterly) will contain both late returns, and any amendments to other returns (which are commonplace).  ePRN means electronic packaging waste recovery notes (ePERN for exports).  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBA  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  National Packaging Waste Database  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Table 1** | Refers to the main summary for UK Recovery & Recycling for the relevant Quarter | **Y** | **Y** | **Y** |
| Material Type | Packaging waste materials businesses have to report by Materials: Paper/ Board, Paper composting, Glass, Steel, Aluminium, Plastics, Wood, EFW | **Y** | **Y** | **Y** |
| Waste Accepted for UK Reprocessing | Amalgamated UK tonnages of reprocessed packaging waste split by material type for reprocessors | **Y** | **Y** | **Y** |
| Waste Exported for Overseas Reprocessing | Amalgamated UK tonnages of exported packaging waste split by material sent for reprocessing by Exporters | **Y** | **Y** | **Y** |
| Total Waste Accepted or Exported | Combined reprocessing UK tonnage carried out by Reprocessors & Exporters | **Y** | **Y** | **Y** |
| **Total PRNs/PERNs Issued** | Amalgamated UK waste evidence issued to business’s in order for the UK to meet targets set out in the ‘The Producer Responsibility Obligations Packaging Waste) Regulations 2007’ | **Y** | **Y** | **Y** |
| **Table 2** | Is waste Accepted/Exported by Agreed Protocols in order for UK reprocessors & Exporters to determine correct waste tonnages, which is then used in our database to calculate the tonnages set out in Table 1 | **Y** | **Y** | **Y** |
| Material type | Packaging waste materials UK businesses have to report by Materials: Paper/ Board, Paper composting, Glass, Steel, Aluminium, Plastics, Wood, EFW | **Y** | **Y** | **Y** |
| Protocol type | Used by UK businesses (Reprocessors & Exporters) to work out correct packaging waste tonnages | **Y** | **Y** | **Y** |
| Gross total | Total UK packaging waste tonnages received before protocols have been applied | **Y** | **Y** | **Y** |
| Net Total | Total UK Packaging waste tonnages after protocols are applied | **Y** | **Y** | **Y** |
| **Table 3** | Reprocessors/Exporters Still To Report Quarterly Data | **Y** | **Y** | **Y** |
| Material/Process | The type of packaging waste material the Reprocessor and Exporter are reprocessing | **Y** | **Y** | **Y** |
| Size | Identifies whether or not the reprocessor or exporter has the permission to issue more or less than 400 tonnes of evidence to business’s who require the evidence in order to comply with the regulations. | **Y** | **Y** | **Y** |
| Company Name | Name of company who hasn’t submitted their quarterly returns which in turn identifies that Table 1 data is no conclusive | **Y** | **Y** | **Y** |
| Accreditation No. | Another name for permit number | **Y** | **Y** | **Y** |
| **Table 4** | **Year End Surplus and ePRN Carry Over –** This table summary is only released twice in Quarter 4 as the regulations allows waste evidence to be used in the current compliance period or the following compliance period. The data in this table is really an extension of table 1 but NPWD was created in such a way that it was hard to incorporate the data in the same table therefore a separate table was created to show the annual UK waste tonnages and evidence. | **Y** | **Y** | **Y** |
| Material type | Packaging waste materials UK businesses have to report by materials | **Y** | **Y** | **Y** |
| ePRNS accepted in 2012 | UK waste evidence used in current compliance period | **Y** | **Y** | **Y** |
| ePRNS not accepted into 2012 (Excl Dec waste) | Identifies the total UK waste evidence that buyers didn’t accept, which is can be due to buyers forgetting to press accept on the database or they have enough evidence already | **Y** | **Y** | **Y** |
| ePRNS not accepted into 2012 (Dec waste only) | Identifies the total UK waste evidence that buyers didn’t accept in December, which is can be due to buyers forgetting to press accept on the database or they have enough evidence already | **Y** | **Y** | **Y** |
| ePRNS not accepted into (*following year)* | UK waste evidence accepted into the following compliance period | **Y** | **Y** | **Y** |
| Total ePRNS issued | Total UK waste evidence issued in annual compliance period | **Y** | **Y** | **Y** |
| Total UK Waste | Total UK waste reprocessed in the current compliance period | **Y** | **Y** | **Y** |
| UK waste surplus | UK waste which did not have to be used as evidence in the current compliance period | **Y** | **Y** | **Y** |
| Awaiting cancellations | Buyers of evidence have not accepted evidence form seller and are waiting for the cancellation to be approved | **Y** | **Y** | **Y** |

### Referrals of Red List Discharges to Sewers (Corporate Entities) (AfA056)

|  |
| --- |
| **Description**  The Referrals of Red List Discharges to Sewers dataset (extracted from IPCIS) records those companies (and potentially individuals) who have applied to water undertakers for permission to discharge a Red List substance into sewers.  The Water Industry Act 1991 (as amended) section 120 (Applications for the discharge of special category effluent) directs sewerage undertakers who have received a notice containing an application for consent to discharge trade effluent from a trade premise into a public sewer (section 119) to refer to the Environment Agency the questions:   * whether the discharges to which the notice relates should be prohibited; and * whether, if they are not prohibited, any requirements should be imposed as to the conditions on which they are made.   It is this information, stored within IPCIS, that makes up the Referrals of Red List Discharges to Sewers dataset.  This dataset used to be known as the Water Industry Act Referrals dataset.  **Issues to Note**  The Red List is a list of 23 of the most dangerous substances which were selected for priority control under the Integrated Pollution Control legislation (subsequently superseded by the Pollution Prevention and Control and then Environmental Permitting Regulations). This list of substances includes EC List I substances defined under the Dangerous Substances Directive, as well as certain substances listed on EC List 2.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B7C004BF7-1BEF-46B7-BF10-E12E0D6C3019%7D>  **Update frequency**  N/A  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Region Name | Environment Agency Region | **Y** | **Y** | **Y** |
| Area Name | Environment Agency Area | **Y** | **Y** | **Y** |
| Original Permission No | Unique IPCIS authorisation number for initial application | **Y** | **Y** | **Y** |
| Operator Name | Operator Name [Filtered to exclude individuals/small companies but in practice this has not been experienced. Does include LAs, EA, Crematoriums, Universities, Labs] | **Y** | **Y** | **Y** |
| Application Tariff | EA Tariff Code [IPCIS Tariff, N/A to WIAR, hence always “Water”] | **Y** | **Y** | **Y** |
| PP Address Delivery Point | Operator Address – Line 1 | **Y** | **Y** | **Y** |
| PP Address Locality | Operator Address – Line 2 | **Y** | **Y** | **Y** |
| PP Address Town | Operator Address – Town | **Y** | **Y** | **Y** |
| PP Address County | Operator Address – County | **Y** | **Y** | **Y** |
| PP Address PostCode | Operator Address – Post Code | **Y** | **Y** | **Y** |
| Current LC Status | Current Status of authorisation, options are:   * Received: The application has been received and input onto IPCIS * Effective: The application has been approved and limits provided * Dead (Application): Application is no longer active. * Dead (Post Determination): N/A to WIAR, relevant to other IPCIS datasets. This status has been used where an application is no longer active. | **Y** | **Y** | **Y** |
| Date Received | Date original application was received | **Y** | **Y** | **Y** |
| Local Authority Name | Local Authority Name | **Y** | **Y** | **Y** |
| Numeric GR East | Eastings for the site entrance | **Y** | **Y** | **Y** |
| Numeric GR North | Northings for the site entrance | **Y** | **Y** | **Y** |
| PP National GR | NGR for site entrance | **Y** | **Y** | **Y** |

### Referrals of Red List Discharges to Sewers (AfA030)

|  |
| --- |
| **Description**  The Referrals of Red List Discharges to Sewers dataset (extracted from IPCIS) records those companies (and potentially individuals) who have applied to water undertakers for permission to discharge a Red List substance into sewers.  The Water Industry Act 1991 (as amended) section 120 (Applications for the discharge of special category effluent) directs sewerage undertakers who have received a notice containing an application for consent to discharge trade effluent from a trade premise into a public sewer (section 119) to refer to the Environment Agency the questions:   * whether the discharges to which the notice relates should be prohibited; and * whether, if they are not prohibited, any requirements should be imposed as to the conditions on which they are made.   It is this information, stored within IPCIS, that makes up the Referrals of Red List Discharges to Sewers dataset.  This dataset used to be known as the Water Industry Act Referrals dataset.  The Red List is a list of 23 of the most dangerous substances which were selected for priority control under the Integrated Pollution Control legislation (subsequently superseded by the Pollution Prevention and Control and then Environmental Permitting Regulations). This list of substances includes EC List I substances defined under the Dangerous Substances Directive, as well as certain substances listed on EC List 2.  **Issues to Note**  N/A  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={F1F579B2-3B3A-4250-AFA1-2CBE83FA69B4}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bF1F579B2-3B3A-4250-AFA1-2CBE83FA69B4%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Data & Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  This digital dataset is not available for re-use due to Personal Data concerns. Any EIR/FoI requests for the digital dataset need to be individually assessed. This digital dataset has been filtered to create “Referrals of Red List Discharges to Sewers (Corporate Entities)” by excluding anything that is not obviously a company, location or public authority or a hospital trust. The filtered dataset is Approved (Publication Scheme & IfRR). |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Referrals of Red List Discharges to Sewers (Corporate Entities)** | | | | |
| Region Name | Environment Agency Region | **Y** | **Y** | **Y** |
| Area Name | Environment Agency Area | **Y** | **Y** | **Y** |
| Original Permission No | Unique IPCIS authorisation number for initial application | **Y** | **Y** | **Y** |
| Operator Name | Operator Name [Potentially could include individuals/small companies but in practice this has not been experienced. Does include LAs, EA, Crematoriums, Universities, Labs] | **Y** | **Y** | **Y** |
| Application Tariff | EA Tariff Code [IPCIS Tariff, N/A to WIAR, hence always “Water”] | **Y** | **Y** | **Y** |
| PP Address Delivery Point | Operator Address – Line 1 | **Y** | **Y** | **Y** |
| PP Address Locality | Operator Address – Line 2 | **Y** | **Y** | **Y** |
| PP Address Town | Operator Address – Town | **Y** | **Y** | **Y** |
| PP Address County | Operator Address – County | **Y** | **Y** | **Y** |
| PP Address PostCode | Operator Address – Post Code | **Y** | **Y** | **Y** |
| Current LC Status | Current Status of authorisation, options are:  Received: The application has been received and input onto IPCIS  Effective: The application has been approved and limits provided  Dead (Application): Application is no longer active.  Dead (Post Determination): N/A to WIAR, relevant to other IPCIS datasets. This status has been used where an application is no longer active. | **Y** | **Y** | **Y** |
| Date Received | Date original application was received | **Y** | **Y** | **Y** |
| Local Authority Name | Local Authority Name | **Y** | **Y** | **Y** |
| Numeric GR East | Eastings for the site entrance | **Y** | **Y** | **Y** |
| Numeric GR North | Northings for the site entrance | **Y** | **Y** | **Y** |
| PP National GR | NGR for site entrance | **Y** | **Y** | **Y** |

### Remaining Landfill Capacity (AfA233)

**Description:**

Permitted landfill operators have a condition in their permits to report the remaining landfill void (capacity) of their sites at the end of the calendar year.

This information although used for compliance purposes is also used by the EC, Government, Local Authorities and other interested parties for statutory reporting and waste planning purposes.

Data is provided in cubic metres and collated into a national dataset. There are only around 500 operational landfills in England and Wales. Operators can claim commercial confidentiality for their data at time of submission.

Data for sites with a commercial confidentiality in place are not provided.

**Issues to Note**

Ok to include in Information for ReUse Register and market as normal. Will not be actively published by EA, in order to minimise concerns by operators.

Sites with claims for commercial confidentiality accepted should not be provided.

**AfA Category**

AfA (Publication Scheme & IfRR)

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B4EBACEC5-C74E-47FB-BBFD-B884ECB04BAA%7D>

**Update frequency**

Annual – calendar year

**Supply frequency**

Annual – calendar year

**Third Party Prior Rights**

None

**Data Contact / Supply**

Data and Intelligence Team, Regional Waste Strategy and Data Information staff

**Format Supplied**

Excel Spreadsheet

**Special Conditions**

N/A

**Information Warning**

N/A

**Guidance**

N/A

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit reference of landfill site | **Y** | **Y** | **Y** |
| Operator | Operator of landfill site | **Y** | **Y** | **Y** |
| Site Name | Name of landfill site | **Y** | **Y** | **Y** |
| Remaining void at end of calendar year | Remaining capacity at landfill as reported by the operator at end of calendar year under the permit requirement. | **Y** | **Y** | **Y** |
| Site Type | Description of type of landfill that refers to waste types accepted e.g. hazardous, non-hazardous, inert. | **Y** | **Y** | **Y** |
| District | District of location of landfill site. | **Y** | **Y** | **Y** |
| Waste Planning Authority (WPA) | WPA of location of landfill site. | **Y** | **Y** | **Y** |
| Sub-Region | Higher level location description of landfill site, usually a county or unitary level e.g. Bedfordshire, Tyne and Wear | **Y** | **Y** | **Y** |
| Planning Region | Former Government Planning Region of location of landfill site. | **Y** | **Y** | **Y** |

### 

### Scrap Metal Dealers (AfA416)

|  |
| --- |
| **Description**  The Environment Agency holds a Register of Registered Scrap Metal Dealers, under the Scrap Metal Dealers Act 2013. This dataset comprises the contents of that Register.  The data is provided by Local Authorities. The Environment Agency has no control over the accuracy, quality or completeness of the content, and does not hold more detailed information.  Any challenges or queries about the information, or requests for further details, should be directed to the relevant Local Authority.  Registrations that end early are known as Revocations. These may be for various reasons such as administrative decisions by dealers, changes to business activities, or changes by Local Authorities.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B9E56AC17-674D-4B6A-B02A-91F5FE2FFBC0%7D>  **Update frequency**  Weekly  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Local Authority | Name of Local Authority issuing licence | **Y** | **Y** | **Y** |
| Licence Number |  | **Y** | **Y** | **Y** |
| Business Name | Business Name of Scrap Metal Dealer | **Y** | **Y** | **Y** |
| Licence Holder | Name of Licensee | **Y** | **Y** | **Y** |
| Permit Type | Mobile or site based Note - if licence type is mobile, no address details expected | **Y** | **Y** | **Y** |
| Site Address | Unit, house number or name; street name; town; county; postcode | **Y** | **Y** | **Y** |
| Site Address 2 | Unit, house number or name; street name; town; county; postcode  (Optional if more than one site within the Local Authority issuing area) | **Y** | **Y** | **Y** |
| Date of licence expiry |  | **Y** | **Y** | **Y** |
| Has the licence been revoked? | Licence has ended early | **Y** | **Y** | **Y** |
| If yes, revocation date | Date licence ended. | **Y** | **Y** | **Y** |
| EA Area | Environment Agency Area | **Y** | **Y** | **Y** |

### Tonnages from Waste Returns (AfA207)

|  |
| --- |
| **Description**  The Environment Agency collects, stores and reports information about the types and quantities of waste handled by permitted waste management facilities. The type of waste is usually recorded using the European Waste Classification. The origin or destination of the waste can be recorded to district authority level. Information on what finally happens to the waste can also be recorded.  The information is extracted from returns provided by operators holding a permit for waste operations. Some returns may be withheld from the register if commercial confidentiality of National Security claims are agreed by us.  The information stored includes:   * types, quantities and origins of waste brought into a site * types, quantities, destinations and fate of (what finally happens to) waste removed from a site.   Some older permits do not have the requirement to provide this data although some permit holders supplied information voluntarily. All licences issued or renewed after 2002 are required to provide returns, and we are actively replacing any remaining old permits.    Data is held for 1996 onwards but the data quality for those early years may be poor. Data quality has consistently improved since 2005. Approximately 330000 records, covering approximately 5000 live permits, are added per year.  A published dataset is produced annually and is available in an interrogable database format for non-commercial and commercial access.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={1A5888F2-1A31-43C9-ABB0-4E3BF28EA822}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b1A5888F2-1A31-43C9-ABB0-4E3BF28EA822%7d)  **Update frequency**  Data for most permits comes in four quarterly batches, with a trickle of late returns. Some permits report annually.  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Waste Flow | Indicates whether waste is received or removed. Two categories:   * Waste received * Waste removed | **Y** | **Y** | **Y** |
| WML / PPC No | Waste Licence / PPC / Environmental Permit number | **Y** | **Y** | **Y** |
| Site Name | Name of site as on permit | **Y** | **Y** | **Y** |
| Operator | Name of operator as on permit | **Y** | **Y** | **Y** |
| Grid Ref | Grid reference of site (from permit application on PAS/REGIS) | **Y** | **Y** | **Y** |
| Nil Status | Indicates whether site is set to Nil Return (0 = no, 1 = yes). This field is set to ‘1’ if the operator has indicated that nil returns should be expected | **Y** | **Y** | **Y** |
| N/R Date | Date site was set to Nil Return (if applicable). The date from which nil returns are anticipated. | **Y** | **Y** | **Y** |
| EA Region | EA region in which site is situated | **Y** | **Y** | **Y** |
| EA Area | EA area in which site is situated | **Y** | **Y** | **Y** |
| EM Team | EM team covering site | **Y** | **Y** | **Y** |
| Gov Office Region | Government Office region in which site is situated | **Y** | **Y** | **Y** |
| Sub Region | Government Office sub- region in which site is situated | **Y** | **Y** | **Y** |
| District | District council in which site is situated | **Y** | **Y** | **Y** |
| RATS A code | Code for site description e.g. ‘A12’ | **Y** | **Y** | **Y** |
| Site Category | Broad description of site - e.g., transfer station (look up from ‘RATS A Code’). | **Y** | **Y** | **Y** |
| Site Type | More detailed description of site - e.g., clinical waste transfer (look-up from RATS A Code’). | **Y** | **Y** | **Y** |
| EWC Code | Code identifying waste, according to European Waste Catalogue, e.g. ‘191201’. | **Y** | **Y** | **Y** |
| EWC Desc | Detailed description of waste, according to European Waste Catalogue, e.g. ‘plastic and rubber’. | **Y** | **Y** | **Y** |
| EWC Chap | Code identifying waste category, according to European Waste Catalogue, e.g. ‘17’. | **Y** | **Y** | **Y** |
| EWC Chap Desc | Description of waste category, according to European Waste Catalogue,  e.g. ‘CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)’. | **Y** | **Y** | **Y** |
| Waste Cat | Broader description of waste category (from permit), e.g.:   * Inert * HIC | **Y** | **Y** | **Y** |
| State | Whether waste is solid, liquid, gas etc. | **Y** | **Y** | **Y** |
| Cal Year | Calendar year in which reporting period falls | **Y** | **Y** | **Y** |
| Period Name | Reporting period (either a quarter-year, calendar year or financial year?) | **Y** | **Y** | **Y** |
| PeriodStart | Date reporting period starts (derived from Period Name) | **Y** | **Y** | **Y** |
| PeriodEnd | Date reporting period ends (derived from Period Name) | **Y** | **Y** | **Y** |
| Permit Status | Whether permit is live, superseded, surrendered etc (from REGIS/ PAS)  e.g. | **Y** | **Y** | **Y** |
| FaF | Did waste come 'from another (waste management) facility'? - e.g.‘from a transfer station’. (Boolean) | **Y** | **Y** | **Y** |
| Mun | Is the waste municipal? (Boolean) | **Y** | **Y** | **Y** |
| Bio | Is the waste biodegradable? (Boolean) | **Y** | **Y** | **Y** |
| FD | Does this return report the 'final disposal' of the waste? (As opposed to 'it will move on from here to somewhere else') (Boolean) | **Y** | **Y** | **Y** |
| UoS | Was the waste 'used on site'? (Boolean) | **Y** | **Y** | **Y** |
| Tonnes | Tonnage of waste | **Y** | **Y** | **Y** |
| Waste Origin | Where waste came from (geographic),e.g ‘Cheshire’, or ‘Manchester’. | **Y** | **Y** | **Y** |
| Waste Destination | Where waste is going (geographic) ,e.g ‘Cheshire’, or ‘Manchester’. | **Y** | **Y** | **Y** |
| Waste Fate | What will happen to the waste once it's left here - e.g., reprocessing | **Y** | **Y** | **Y** |

### 

### UK Portable Batteries Data Summary year (AfA359)

|  |
| --- |
| **Description**  Provides UK portable (rather than automotive or industrial) battery recycling rates that compliance schemes have achieved broken down by battery chemistry type for each quarter.  Schemes cover the UK. Only schemes reporting to the EA are included. At the time of assessment all UK Schemes report to the EA.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBA  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| UK Collection Rate Target |  | **Y** | **Y** | **Y** |
| Number of UK Scheme Members |  | **Y** | **Y** | **Y** |
| Portable Batteries Placed on the UK Market |  | **Y** | **Y** | **Y** |
| Average Amount of Portable Batteries Placed on the UK Market | Three year average. | **Y** | **Y** | **Y** |
| UK Obligation Tonnage for previous year |  | **Y** | **Y** | **Y** |
| Tonnage of Waste Portable Batteries Evidence Notes Accepted |  | **Y** | **Y** | **Y** |
| UK Collection Rate for the specified year |  | **Y** | **Y** | **Y** |
| Portable Batteries Placed on the Market per quarter |  | **Y** | **Y** | **Y** |
| Chemistry Type |  | **Y** | **Y** | **Y** |
| Scheme totals | Combined tonnages of exporters and treatment operators | **Y** | **Y** | **Y** |
| Small producer totals | Combined tonnages of exporters and treatment operators | **Y** | **Y** | **Y** |

### Waste Carriers, Brokers and Dealers (AfA159)

|  |
| --- |
| **Description**  This dataset contains details of currently permitted waste carriers, brokers and dealers. Historical details are not included.  **Carrier**  A person who transports controlled waste in the course of a business or otherwise with a view to profit.  **Broker**  Waste brokers are people who make arrangements, on behalf of others, to recover or dispose of waste, regardless of whether or not they handle the waste themselves.  **Dealer**  Waste dealers are people who use an agent to buy then sell wastes, regardless of whether they handle the waste themselves or not.  **Exempt activities**  People who do not need to register because of a specific exemption in the regulations:   * the operator of certain vessels and vehicles where the activity of waste carriage is for the purpose of a specified marine operation and the activity requires a marine licence or can be carried out under a marine exemption * any lower tier carrier who does not normally and regularly transport controlled waste * until after 2013, the existing exemption for carriers who only transport their own waste (unless it is construction and demolition waste) will remain in place.   **Excluded persons**  People who are excluded from the requirement to register. These include:     * Any person who carries controlled wastes but not as part of their business or otherwise for profit * Ferry operators carrying vehicles that are carrying waste * Any person carrying waste between different places of the same premises * Any person carrying waste by air or sea, from a place in Great Britain to any place outside Great Britain * Any person carrying waste from a country outside of Great Britain to the first point of arrival   Waste Carriers, Dealers and Brokers are a combined dataset. Operators shift between categories frequently, and so separate datasets could be misleading. Extracting a single type would be extremely time consuming and cost-prohibitive.  **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={5E976EC7-34F5-4CFB-9865-32CEB80D7FDA}](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Operations Technical Services - Compliance Services  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Type of applicant | Type of applicant: Individual, Partnership, Limited Company or Public Body | **Y** | **Y** | **Y** |
| Registration Number | Registration Number | **Y** | **Y** | **Y** |
| Date of Registration | Date of Registration | **Y** | **Y** | **Y** |
| Individuals: Title | Individuals: Title | **Y** | **Y** | **Y** |
| Individuals: First Name | Individuals: First Name | **Y** | **Y** | **Y** |
| Individuals: Last Name | Individuals: Last Name | **Y** | **Y** | **Y** |
| Individuals: Date of Birth | Individuals: Date of Birth | **Y** | **N** | **N** |
| Individuals: Business Trading Name | Individuals: Business Trading Name | **Y** | **Y** | **Y** |
| Individuals: Previous Name (If any) | Individuals: Previous Name (If any) | **Y** | **Y** | **Y** |
| Individuals: Address | Individuals: Address | **Y** | **Y** | **Y** |
| Individuals: Postcode | Individuals: Postcode | **Y** | **Y** | **Y** |
| Individuals: Country | Individuals: Country | **Y** | **Y** | **Y** |
| Individuals: Telephone Number | Individuals: Telephone Number | **Y** | **Y** | **Y** |
| Individuals: Fax | Individuals: Fax | **Y** | **Y** | **Y** |
| Individuals: Mobile Telephone Number | Individuals: Mobile Telephone Number | **Y** | **Y** | **Y** |
| Individuals: E-mail address | Individuals: E-mail address | **Y** | **Y** | **Y** |
| Partnership: Name | Partnership: Name | **Y** | **Y** | **Y** |
| Partnership: Trading Name | Partnership: Trading Name | **Y** | **Y** | **Y** |
| Partnership: Address | Partnership: Address | **Y** | **Y** | **Y** |
| Partnership: Postcode | Partnership: Postcode | **Y** | **Y** | **Y** |
| Partnership: Country | Partnership: Country | **Y** | **Y** | **Y** |
| Partnership: Telephone Number | Partnership: Telephone Number | **Y** | **Y** | **Y** |
| Partnership: Fax | Partnership: Fax | **Y** | **Y** | **Y** |
| Partnership: Mobile Telephone Number | Partnership: Mobile Telephone Number | **Y** | **Y** | **Y** |
| Partnership: E-mail address | Partnership: E-mail address | **Y** | **Y** | **Y** |
| Partners: Title | Partners: Title | **Y** | **Y** | **Y** |
| Partners: First Name | Partners: First Name | **Y** | **Y** | **Y** |
| Partners: Last Name | Partners: Last Name | **Y** | **Y** | **Y** |
| Partners: Date of Birth | Partners: Date of Birth | **Y** | **N** | **N** |
| Limited Company: Full Company Name | Limited Company: Full Company Name | **Y** | **Y** | **Y** |
| Limited Company: Country of Incorporation | Limited Company: Country of Incorporation | **Y** | **Y** | **Y** |
| Limited Company: Trading Name | Limited Company: Trading Name | **Y** | **Y** | **Y** |
| Limited Company: Previous Name | Limited Company: Previous Name | **Y** | **Y** | **Y** |
| Limited Company: Registered Office Address | Limited Company: Registered Office Address | **Y** | **Y** | **Y** |
| Limited Company: Postcode | Limited Company: Postcode | **Y** | **Y** | **Y** |
| Limited Company: Country | Limited Company: Country | **Y** | **Y** | **Y** |
| Limited Company: Telephone Number | Limited Company: Telephone Number | **Y** | **Y** | **Y** |
| Limited Company: Fax | Limited Company: Fax | **Y** | **Y** | **Y** |
| Limited Company: Mobile Telephone Number | Limited Company: Mobile Telephone Number | **Y** | **Y** | **Y** |
| Limited Company: E-mail address | Limited Company: E-mail address | **Y** | **Y** | **Y** |
| Limited Company: Company Officers - Position | Limited Company: Company Officers – Position | **Y** | **Y** | **Y** |
| Limited Company: Company Officers - Title | Limited Company: Company Officers - Title | **Y** | **Y** | **Y** |
| Limited Company: Company Officers - First Name | Limited Company: Company Officers - First Name | **Y** | **Y** | **Y** |
| Limited Company: Company Officers - Last Name | Limited Company: Company Officers - Last Name | **Y** | **Y** | **Y** |
| Limited Company: Company Officers - Date of Birth | Limited Company: Company Officers - Date of Birth | **Y** | **N** | **N** |
| Public Body: Name | Public Body: Name | **Y** | **Y** | **Y** |
| Public Body: Type | Public Body: Type  Could be English County Council; English District Council; English Unitary Authority; English Metropolitan Council; London Borough Council; Welsh Unitary Authority; Town Council, Other Government Authority; NHS Trust; Primary Care Trust, Welsh Local Health Board, Other Health Body, Fire Authority; Other Public Body | **Y** | **Y** | **Y** |
| Public Body: Specified Public Body not on given list | Public Body: Specified Public Body not on given list | **Y** | **Y** | **Y** |
| Public Body: Address | Public Body: Address | **Y** | **Y** | **Y** |
| Public Body: Postcode | Public Body: Postcode | **Y** | **Y** | **Y** |
| Public Body: Country | Public Body: Country | **Y** | **Y** | **Y** |
| Public Body: Telephone Number | Public Body: Telephone Number | **Y** | **Y** | **Y** |
| Public Body: Fax | Public Body: Fax | **Y** | **Y** | **Y** |
| Public Body: Mobile Telephone Number | Public Body: Mobile Telephone Number | **Y** | **Y** | **Y** |
| Public Body: E-mail address | Public Body: E-mail address | **Y** | **Y** | **Y** |
| Public Body: Chief Executive Details - Title | Public Body: Chief Executive Details - Title | **Y** | **Y** | **Y** |
| Public Body: Chief Executive Details - First Name | Public Body: Chief Executive Details - First Name | **Y** | **Y** | **Y** |
| Public Body: Chief Executive Details - Last Name | Public Body: Chief Executive Details - Last Name | **Y** | **Y** | **Y** |
| Public Body: Chief Executive Details - Date of Birth | Public Body: Chief Executive Details - Date of Birth | **Y** | **N** | **N** |
| Application Contact: Position | Application Contact: Position (Is the contact on the Application itself or a covering letter or separate part of the documentation. – It is integral to the Application itself. It is stated as the address to which questions on this applications will be directed, and to which all correspondence including formal correspondence about future registrations will be sent). | **Y** | **Y** | **Y** |
| Application Contact: Title | Application Contact: Title | **Y** | **Y** | **Y** |
| Application Contact: First Name | Application Contact: First Name | **Y** | **Y** | **Y** |
| Application Contact: Last Name | Application Contact: Last Name | **Y** | **Y** | **Y** |
| Application Contact: Organisation Name | Application Contact: Organisation Name | **Y** | **Y** | **Y** |
| Application Contact: Address | Application Contact: Address | **Y** | **Y** | **Y** |
| Application Contact: Postcode | Application Contact: Postcode | **Y** | **Y** | **Y** |
| Application Contact: Country | Application Contact: Country | **Y** | **Y** | **Y** |
| Application Contact: Telephone Number | Application Contact: Telephone Number | **Y** | **Y** | **Y** |
| Application Contact: Fax | Application Contact: Fax | **Y** | **Y** | **Y** |
| Application Contact: Mobile Telephone Number | Application Contact: Mobile Telephone Number | **Y** | **Y** | **Y** |
| Application Contact: E-mail Address | Application Contact: E-mail Address | **Y** | **Y** | **Y** |
| Principal Place of Business: Address | Principal Place of Business: Address | **Y** | **Y** | **Y** |
| Principal Place of Business: Postcode | Principal Place of Business: Postcode | **Y** | **Y** | **Y** |
| Principal Place of Business: Country | Principal Place of Business: Country | **Y** | **Y** | **Y** |
| Principal Place of Business: Telephone Number | Principal Place of Business: Telephone Number | **Y** | **Y** | **Y** |
| Principal Place of Business: Fax | Principal Place of Business: Fax | **Y** | **Y** | **Y** |
| Principal Place of Business: Mobile Telephone Number | Principal Place of Business: Mobile Telephone Number | **Y** | **Y** | **Y** |
| Principal Place of Business: E-mail Address | Principal Place of Business: E-mail Address | **Y** | **Y** | **Y** |
| Convictions: Individuals - Title | Convictions: Individuals - Title | **Y** | **Y** | **Y** |
| Convictions: Individuals - First Name | Convictions: Individuals - First Name | **Y** | **Y** | **Y** |
| Convictions: Individuals - Last Name | Convictions: Individuals - Last Name | **Y** | **Y** | **Y** |
| Convictions: Individuals - Date of Birth | Convictions: Individuals - Date of Birth | **Y** | **N** | **N** |
| Convictions: Individuals - Position | Convictions: Individuals - Position | **Y** | **Y** | **Y** |
| Convictions: Individuals - Name of Court | Convictions: Individuals - Name of Court | **Y** | **Y** | **Y** |
| Convictions: Individuals - Offence | Convictions: Individuals - Offence | **Y** | **Y** | **Y** |
| Convictions: Individuals - Penalty Imposed | Convictions: Individuals - Penalty Imposed | **Y** | **Y** | **Y** |
| Convictions: Corporate Bodies - Name | Convictions: Corporate Bodies - Name | **Y** | **Y** | **Y** |
| Convictions: Corporate Bodies - Name of Court | Convictions: Corporate Bodies - Name of Court | **Y** | **Y** | **Y** |
| Convictions: Corporate Bodies - Offence | Convictions: Corporate Bodies - Offence | **Y** | **Y** | **Y** |
| Convictions: Corporate Bodies - Penalty Imposed | Convictions: Corporate Bodies - Penalty Imposed | **Y** | **Y** | **Y** |

### 

### Waste Data Interrogator (AfA230)

**Description:**

All operators of regulated waste management facilities have to provide us with details of the quantities and types of waste they deal with i.e. waste received into site and waste sent on from site to other facilities or processes. This data is used to monitor compliance but has historically been used by the EC, DEFRA and local authorities to assist in planning for new waste facilities and for monitoring against statutory targets.

We have provided this data in an interrogatable format since 2006. The dataset is calendar year and holds the data from around 6,000 regulated sites. Operator waste returns are public register information unless a claim for commercial confidentiality has been accepted. In these cases the data is provided but the site details are not. This is so that the data can be included in aggregated figures but cannot be attributed to a particular site.

Data supplied does not include details of waste producers.

Details of operators who have claimed commercial confidentiality are not provided.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B2E76C398-6701-4F0F-8F8F-7217D4994529%7D>

**Update frequency**

Not updated

**Supply frequency**

One-off for each year’s Interrogator

**Third Party Prior Rights**

None

**Data Contact / Supply**

Available on DataShare

**Format Supplied**

Access Database

**Special Conditions**

None

**Information Warning**

Details of operators who have claimed commercial confidentiality are not provided.

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| WML/Permit No. | Permit reference of regulated waste facility | **Y** | **Y** | **Y** |
| Operator | Name of operator of regulated waste facility | **Y** | **Y** | **Y** |
| AmountTonnes | Tonnage of waste | **Y** | **Y** | **Y** |
| Permit Type | Lowest level waste management facility type description e.g. Standard Rules permit no 8 etc. | **Y** | **Y** | **Y** |
| Facility Type | High level waste management facility type description e.g. Landfill, treatment | **Y** | **Y** | **Y** |
| Facility Category | Sub level waste management facility type description e.g. non hazardous landfill, biological treatment etc | **Y** | **Y** | **Y** |
| Basic Waste Cat | Basic waste category e.g. hazardous, non hazardous or inert. Describes type of waste. | **Y** | **Y** | **Y** |
| EWC Chapter | European Waste Code Chapter e.g. 01, 02 etc. High level waste code category. | **Y** | **Y** | **Y** |
| Waste code | European Waste Code e.g. 010102. Describes lowest level waste code category. | **Y** | **Y** | **Y** |
| Site Location District | District where waste management facility is located. | **Y** | **Y** | **Y** |
| Site RPA | Former Planning Region where waste management facility is located. | **Y** | **Y** | **Y** |
| Site Sub Region | Former Planning Region Sub Region (usually county level) e.g. Bedfordshire where waste management facility is located. | **Y** | **Y** | **Y** |
| Site WPA | Waste Planning Authority where waste management facility is located. | **Y** | **Y** | **Y** |
| Origin District | District location where waste originated. Not a mandatory field. | **Y** | **Y** | **Y** |
| Origin WPA | Waste Planning Authority location where waste originated. Not a mandatory field. | **Y** | **Y** | **Y** |
| Origin Sub Region | Former Planning Region Sub Region location where waste originated. Not a mandatory field. | **Y** | **Y** | **Y** |
| Origin Region | Former Planning Region location where waste originated. Not a mandatory field. | **Y** | **Y** | **Y** |
| Destination District | District location where waste was sent to from site. Not a mandatory field. | **Y** | **Y** | **Y** |
| Destination WPA | Waste Planning Authority location where waste was sent to from site. Not a mandatory field. | **Y** | **Y** | **Y** |
| Destination Sub Regio | Former Planning Region Sub Region location where waste was sent to from site. Not a mandatory field. | **Y** | **Y** | **Y** |
| Destination Region | Former Planning Region location where waste was sent to from site. Not a mandatory field. | **Y** | **Y** | **Y** |
| Destination Facility Type | Description of facility that waste was sent to from site e.g. landfill, recovery, treatment. | **Y** | **Y** | **Y** |

### Waste Electrical and Electronic Equipment Contacts (Corporate Entities Only) (AfA154)

|  |
| --- |
| **Description**  This dataset contains details of:   * WEEE producers who have registered with the Environment Agency under the Producer Responsibility Regulations for Waste Electrical and Electronic Equipment. This includes company names, addresses, contact details and SIC code. * Compliance schemes, contact details etc. * Reprocessors and exporters of WEEE – contact details.   Producers who registered with SEPA (Scottish Environment Protection Agency) or NIEA (Environment Agency Northern Ireland) are not part of this dataset. Data relating to NRW (Natural Resources Wales) registrations is currently included in this product, and its inclusion will be kept under review.  Only Corporate Entities are included.  Some entries may be removed for reasons of National Security or Commercial Confidentiality.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={3A3F6DB1-273F-4C66-B6C0-EDFE338F889B}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b3A3F6DB1-273F-4C66-B6C0-EDFE338F889B%7d%20%20)  **Update frequency**  Daily  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  N/A  **Special Conditions**  Right to remove NRW data.  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Producer Name |  | **Y** | **Y** | **Y** |
| Producer Trading Name |  | **Y** | **Y** | **Y** |
| Producer Obligation Type |  | **Y** | **Y** | **Y** |
| Address |  | **Y** | **Y** | **Y** |
| Town |  | **Y** | **Y** | **Y** |
| Post Code |  | **Y** | **Y** | **Y** |
| Country |  | **Y** | **Y** | **Y** |
| Registration Number |  | **Y** | **Y** | **Y** |
| Compliance Scheme |  | **Y** | **Y** | **Y** |
| Scheme name |  | **Y** | **Y** | **Y** |
| Scheme Address |  | **Y** | **Y** | **Y** |
| Compliance Year |  | **Y** | **Y** | **Y** |
| Producer contact details | Contact name | **Y** | **Y** | **Y** |
| Producer contact details | Contact company email address, | **Y** | **Y** | **Y** |
| Producer contact details | Contact personal e-mail address | **N** | **N** | **N** |
| Producer contact details | Contact company telephone number | **Y** | **Y** | **Y** |
| Producer contact details | Contact personal telephone number | **N** | **N** | **N** |
| Producer contact details | Contact company correspondence address | **Y** | **Y** | **Y** |
| Producer contact details | Contact personal correspondence address | **N** | **N** | **N** |
| SIC Code | Sector Industry Code for producer | **Y** | **Y** | **Y** |
| Total Recovery Obligation | Producer obligation based on new products put on the market | **N** | **N** | **N** |
| Obligation | Waste obligation based on SIC code | **N** | **N** | **N** |
| Producer market share | Market share re. products put on the market | **N** | **N** | **N** |
| Scheme Contact details | Contact name | **Y** | **Y** | **Y** |
| Scheme Contact details | Contact company email address | **Y** | **Y** | **Y** |
| Scheme Contact details | Contact company telephone number | **Y** | **Y** | **Y** |
| Scheme Contact details | Contact company correspondence address | **Y** | **Y** | **Y** |
| Scheme obligation | Scheme obligation | **N** | **N** | **N** |
| Scheme market share | Market share | **N** | **N** | **N** |
| UK Reprocessor contact details | Contact name | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact company email address | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact company telephone number | **Y** | **Y** | **Y** |
| UK Reprocessor contact details | Contact company correspondence address | **Y** | **Y** | **Y** |
| Exporter contact details | Contact name | **Y** | **Y** | **Y** |
| Exporter contact details | Contact company email address, | **Y** | **Y** | **Y** |
| Exporter contact details | Contact personal e-mail address | **N** | **N** | **N** |
| Exporter contact details | Contact company telephone number | **Y** | **Y** | **Y** |
| Exporter contact details | Contact personal telephone number | **N** | **N** | **N** |
| Exporter contact details | Contact company correspondence address | **Y** | **Y** | **Y** |
| Exporter contact details | Contact personal correspondence address | **N** | **N** | **N** |
| Freerider Contact details | Contact name | **N** | **N** | **N** |
| Freerider Contact details | Contact company email address, | **N** | **N** | **N** |
| Freerider Contact details | Contact personal e-mail address | **N** | **N** | **N** |
| Freerider Contact details | Contact company telephone number | **N** | **N** | **N** |
| Freerider Contact details | Contact personal telephone number | **N** | **N** | **N** |
| Freerider Contact details | Contact company correspondence address | **N** | **N** | **N** |
| Freerider Contact details | Contact personal correspondence address | **N** | **N** | **N** |
| WEEE IT Code | WEEE IT Code | **Y** | **Y** | **Y** |
| Waste Data | Quantities of waste accepted by specific reprocessor for recycling | **N** | **N** | **N** |
| Waste Data | Quantities of waste accepted by specific exporter for recycling | **N** | **N** | **N** |
| Waste Data | Collection rates for specific reprocessors | **N** | **N** | **N** |
| Waste Data | Collection rates for specific exporters | **N** | **N** | **N** |

### Waste Infrastructure Data Tables (AfA223)

**Description:**

Environment Agency waste permitting data.

Brings together standard data fields from our permitting systems plus additional information gleaned directly from permits. It also re-categorises current permitting data into more helpful site categories to help our customers.

Details include: Permit Reference, Operator Name, Site Location details (address, postcode, grid reference, EA Region/Area, District, Local Planning Regions/Sub-Regions), Type of site, Maximum permitted throughput (tonnes), Disposal and Recovery codes, Description of site activities, Associated permits and datasets, Production of fuel, Tonnages incinerated (for incinerators only), Separate or co-mingled waste (for MRFs only).

**Issues to Note**

Data is as taken from our permitting systems and will be subject to regulatory change. All fields may not be available for all sites.

**AfA Category**

AfA (Publication Scheme & IfRR)

**Metadata link**

[**http://gis-easimap.ea.gov/eametadataexplorer/details?id={62E46C53-84E0-4676-AFD3-AB1E3B7FB687}**](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b62E46C53-84E0-4676-AFD3-AB1E3B7FB687%7d)

**Update frequency**

Annual

**Supply frequency**

Annual

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

Excel spreadsheet

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Permit Reference | Permit number | **Y** | **Y** | **Y** |
| Other ID | Other permit reference | **Y** | **Y** | **Y** |
| PPC Reference | Former PPC permit reference | **Y** | **Y** | **Y** |
| Main Site Category | Main site type e.g. treatment, landfill, energy from waste | **Y** | **Y** | **Y** |
| Sub Site Category | Main site sub category e.g. hazardous waste treatment. These categories are explained in the document that accompanies the tables. | **Y** | **Y** | **Y** |
| Site Category | Specific site category e.g. oil treatment. These categories are explained in the document that accompanies the tables. | **Y** | **Y** | **Y** |
| Operator Name | Operator name | **Y** | **Y** | **Y** |
| Operator Trading Name | Operator trading name | **Y** | **Y** | **Y** |
| Facility Name | Facility name | **Y** | **Y** | **Y** |
| Facility Address | Facility address including postcode | **Y** | **Y** | **Y** |
| Facility Type Description | Environment agency site description | **Y** | **Y** | **Y** |
| Agency Region- Area | Environment agency region and area | **Y** | **Y** | **Y** |
| District | District council | **Y** | **Y** | **Y** |
| Planning Sub Region | Former planning geographical sub region | **Y** | **Y** | **Y** |
| Planning Region | Former planning geographical region | **Y** | **Y** | **Y** |
| Grid Reference | Grid reference | **Y** | **Y** | **Y** |
| Permitted Annual Tonnage | Maximum permitted annual throughput in tonnes | **Y** | **Y** | **Y** |
| D & R Codes | Disposal and recovery codes | **Y** | **Y** | **Y** |
| Details | Details of site activities specified in the permit. | **Y** | **Y** | **Y** |
| Multi-Activity | Yes or No – whether site has more than one waste activity | **Y** | **Y** | **Y** |
| Multi-Activity Details | Details of additional permitted waste activities if there are any | **Y** | **Y** | **Y** |
| Associated Permits | Other permits on same site | **Y** | **Y** | **Y** |
| Other Datasets | If site is listed under other tabs on worksheet | **Y** | **Y** | **Y** |
| Production of Fuel | Whether site produces fuel from activities (based on site category) | **Y** | **Y** | **Y** |
| Tonnage incinerated in 2006 | For incinerators only – tonnage incinerated in 2006 | **Y** | **Y** | **Y** |
| Tonnage incinerated in 2007 | For incinerators only – tonnage incinerated in 2007 | **Y** | **Y** | **Y** |
| Tonnage incinerated in 2008 | For incinerators only – tonnage incinerated in 2008 | **Y** | **Y** | **Y** |
| Tonnage incinerated in 2009 | For incinerators only – tonnage incinerated in 2009 | **Y** | **Y** | **Y** |
| Separate or Co-Mingled Waste | For MRFs only – whether waste taken to site is sorted or co-mingled. These terms are explained in the document that accompanies the tables. | **Y** | **Y** | **Y** |
| Maps of sites | Pdf maps of waste sites with local authority boundaries. | **Y** | **Y** | **Y** |

### 

### Waste Management Licence Current Exemptions (AfA005)

|  |
| --- |
| **Description**  Current Waste Mgt. Licence Exemption data as required by Schedule 3 of the Waste Management Licensing Regulations 1994 (as amended) lists the activities which are normally exempt from WML in **England** and **Wales**. Circular 11/94 in England and Circular 26/94 in Wales provides additional information.  Typical exemptions include:   * Cleaning or coating of waste packaging, containers and textiles * Burning waste as a fuel in an exempt appliance * Burning waste as a fuel in an engine * secure storage of waste treatment of waste for recovery of materials * burning of waste in an exempt incinerator at place of production * depositing of mineral exploration waste storing WEE for recovery elsewhere   Some activities may be excluded from WML where the activity is controlled under other regimes.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={19836612-A051-4996-B4EC-BF5C0F1D1CC5}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b19836612-A051-4996-B4EC-BF5C0F1D1CC5%7d%20)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  National/Re-use – National Legal Database Administrator; Regional FoI – Regional Legal teams  **Format Supplied**  N/A  **Guidance**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance** Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Exempt E/U | Name & Address of the exempt establishment or undertaking | **Y** | **Y** | **Y** |
| Site Address | Place where exempt activity occurs | **Y** | **Y** | **Y** |
| Activity Sub para | Specific activities registered for exemption | **Y** | **Y** | **Y** |
| Activity Description | Description of the Activity that makes it Exempt | **Y** | **Y** | **Y** |
| Date Notified | When the Agency is notified about the exempt activity | **Y** | **Y** | **Y** |
| Date Registered | The date we register or refuse to register etc (3 different status') | **Y** | **Y** | **Y** |
| Office Responsibility Indicators | First indicator = Permitting Team indicating which of the four teams is processing the Application. Second Indicator = EA Area Office identifying which Area office has responsibility for monitoring and compliance. [Not appropriate to include] | **N** | **-** | **-** |
| District | District where exempt site is | **Y** | **Y** | **Y** |
| Catchment | Catchment where site is | **Y** | **Y** | **Y** |

### Waste Registrations – Summary Data (AfA288)

**Description:**

The Environmental Permitting Regulations (EPR) are the legislation which the Environment Agency uses to regulate environmental permits. The Environmental Permitting Regulations: Waste Simple Registrations covers registrations for:

• Disposal;

• Use;

• Treatment;

• Storage.

This covers activities below the limits that require an environmental permit.

Environmental Permitting Regulations - Waste Sites, is available under AfA200.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={D0E4F146-0A08-436E-B920-1F2ACADF5AD1}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bD0E4F146-0A08-436E-B920-1F2ACADF5AD1%7d)

**Update frequency**

Hourly

**Supply frequency**

On request

**Third Party Prior Rights**

**Data Contact / Supply**

**Format Supplied**

EXCEL

**Special Conditions**

None

**Information Warning**

Waste Simple Registrations are registered with us on a daily basis. Some reports may be extracted at regular intervals for ease of provision. If you require a totally up-to-date list please specify this.

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Submission Method | Application route. Either via Environment Agency website or though the National Customer Contact Centre (NCCC). | **Y** | **Y** | **Y** |
| Issue Date | Date registration became effective. | **Y** | **Y** | **Y** |
| Permission Reference | EA registration reference. | **Y** | **Y** | **Y** |
| Permission Status | Status of registration | **Y** | **Y** | **Y** |
| EA Region | Environment Agency region where registration is located. | **Y** | **Y** | **Y** |
| EA Area | Environment Agency area where registration is located. | **Y** | **Y** | **Y** |
| Local Authority | Local Authority where registration is located. | **Y** | **Y** | **Y** |
| Paragraph Number | Paragraph number from EPR Schedule 3, Part 1, describing activity undertaken. | **Y** | **Y** | **Y** |
| Permit Holder | Name of registration holder. | **Y** | **Y** | **Y** |
| Site Address | Site address and postcode of registration holder. | **Y** | **Y** | **N** |
| Grid Reference | 10 figure grid reference for location of registration. | **Y** | **Y** | **Y** |
| Telephone Number | Telephone number to contact registration holder | **N** | **N** | **N** |

### 

### WEEE Collected UK Summary (AfA312)

|  |
| --- |
| **Description**  Contains data reported by Producer Compliance Schemes (PCSs) about the amount of WEEE collected in the UK. The report contains figures for:   * WEEE collected from a Designated collection Facility (DCF) * WEEE returned under regulation 32 * WEEE returned under regulation 39   And is broken down by;   * Category (1 – 13) * Household/non-household   The report is a UK dataset and contains no information about any specific company.  Data is reported quarterly.  Reports available date back to Q3 2007    **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBC](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Quarterly  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Website.  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Large Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| Small Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| IT and Telcomms Equipment | Tonnes | **Y** | **Y** | **Y** |
| Consumer Equipment | Tonnes | **Y** | **Y** | **Y** |
| Lighting Equipment | Tonnes | **Y** | **Y** | **Y** |
| Electrical and Electronic Tools | Tonnes | **Y** | **Y** | **Y** |
| Toys Leisure and Sports | Tonnes | **Y** | **Y** | **Y** |
| Medical Devices | Tonnes | **Y** | **Y** | **Y** |
| Monitoring and Control Instruments | Tonnes | **Y** | **Y** | **Y** |
| Automatic Dispensers | Tonnes | **Y** | **Y** | **Y** |
| Display Equipment | Tonnes | **Y** | **Y** | **Y** |
| Cooling Appliances Containing Refrigerants | Tonnes | **Y** | **Y** | **Y** |
| Gas Discharge Lamps | Tonnes | **Y** | **Y** | **Y** |
| Total WEEE | Tonnes | **Y** | **Y** | **Y** |

### Waste Electrical and Electronic Equipment Designated Collection Facilities UK (anonymised) (AfA155)

|  |
| --- |
| **Description**  Details of WEEE collected according to 13 categories of WEEE individual Designated Collection Facilities (DCF) that collect Household Waste Electrical and Electronic Equipment. This data was supplied voluntarily by Schemes.  This data is anonymised so that DCF is not identifiable to protect the commercial interests of the site operators.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={09B40BF8-03CF-4D4E-AC79-DFFCBB4988ED}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b09B40BF8-03CF-4D4E-AC79-DFFCBB4988ED%7d%20%20)  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| ~~Scheme~~ | ~~Name of scheme that DCF linked to~~ | **N** | **N** | **N** |
| ~~Council/Company~~ | ~~Name of council/company that DCF is operated by/on behalf of~~ | **N** | **N** | **N** |
| ~~DCF~~ | ~~Name of DCF~~ | **N** | **N** | **N** |
| ~~DCF operator~~ | ~~Name of operator~~ | **N** | **N** | **N** |
| ~~DCF permit~~ | ~~Permit/postcode~~ | **N** | **N** | **N** |
| 1. Large Household Appliances | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 2. Small Household Appliances | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 3. IT and Telecom equipment | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 4. Consumer equipment | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 5. Lighting equipment | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 6. Tools | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 7. Toys and leisure equipment | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 8. Medical devices | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 9. Monitoring and control equipment | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 10. Automatic dispensers | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 11. Display Equipment | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 12. Cooling appliances containing refrigerants | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| 13. Gas discharge lamps | Tonnage of this category of WEEE collected at DCF | **Y** | **Y** | **Y** |
| Total WEEE | Total tonnage of WEEE collected at DCF | **Y** | **Y** | **Y** |
| ~~% Difference between DCF and Quarterly returns~~ |  | **N** | **N** | **N** |
| ~~Tonnage % Difference between DCF and Quarterly returns~~ |  | **N** | **N** | **N** |
| ~~Post code~~ | Post code for site | **N** | **N** | **N** |
| ~~EA Region-Area~~ |  | **N** | **N** | **N** |
| ~~If actually registered as a DCF~~ | Potential enforcement issues | **N** | **N** | **N** |
| ~~If only receive wastes that approved for as DCF~~ | Potential enforcement issues | **N** | **N** | **N** |
| ~~Permit~~ | Details of permit/exemption. Potential enforcement issues | **N** | **N** | **N** |

### 

### WEEE Producers Public Register England and Wales year (AfA311)

|  |
| --- |
| **Description**  This dataset contains details of:   * Waste Electrical and Electronic Equipment (WEEE) producers who have registered with the Environment Agency under the Producer Responsibility Regulations for Waste Electrical and Electronic Equipment. This includes names and addresses only, as shown on our Public Register.   Producer ID marks details from the public register are not included in this dataset for practical reasons.  Approximately six thousand Producers are registered.  Some entries may be removed for reasons of National Security or Commercial Confidentiality.  A separate assessment, AfA 154 Waste Electrical and Electronic Equipment Contacts (Corporate Entities Only), covers:   * Contact details for Producers, Compliance schemes etc. * Reprocessors and exporters of WEEE – contact details.   Producers who registered with SEPA (Scottish Environment Protection Agency) or NIEA (Environment Agency Northern Ireland) are not part of this dataset. Data relating to NRW (Natural Resources Wales) registrations is currently included in this product, and its inclusion will be kept under review.  **Issues to Note**  NIEA and SEPA data is not covered by this AfA. Refer customers to these bodies if they wish to license data from these organisations.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [TBC](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  Right to remove NRW data.  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Producer Name |  | **Y** | **Y** | **Y** |
| Producer Trading Name |  | **Y** | **Y** | **Y** |
| Producer Obligation Type |  | **Y** | **Y** | **Y** |
| Address |  | **Y** | **Y** | **Y** |
| Town |  | **Y** | **Y** | **Y** |
| Post Code |  | **Y** | **Y** | **Y** |
| Country |  | **Y** | **Y** | **Y** |
| Registration Number |  | **Y** | **Y** | **Y** |
| Compliance Scheme |  | **Y** | **Y** | **Y** |
| Scheme name |  | **Y** | **Y** | **Y** |
| Scheme Address |  | **Y** | **Y** | **Y** |
| Compliance Year |  | **Y** | **Y** | **Y** |

### WEEE Received AATFs UK Summary (AfA313)

|  |
| --- |
| **Description**  Contains data reported by Approved Authorised Treatment Facilities (AATFs) about the amount of Obligated WEEE received. The report contains figures for   * WEEE received for treatment * WEEE received for reuse * WEEE received and then sent to another Authorised Treatment Facility, or Approved Authorised Treatment Facility   And is broken down by;   * Category (1 – 13) * Houshold/non-household   The report is a UK dataset and contains no information about any specific company.  Data is reported quarterly.  Reports available date back to Q3 2007  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBC](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Quarterly  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Website.  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Large Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| Small Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| IT and Telcomms Equipment | Tonnes | **Y** | **Y** | **Y** |
| Consumer Equipment | Tonnes | **Y** | **Y** | **Y** |
| Lighting Equipment | Tonnes | **Y** | **Y** | **Y** |
| Electrical and Electronic Tools | Tonnes | **Y** | **Y** | **Y** |
| Toys Leisure and Sports | Tonnes | **Y** | **Y** | **Y** |
| Medical Devices | Tonnes | **Y** | **Y** | **Y** |
| Monitoring and Control Instruments | Tonnes | **Y** | **Y** | **Y** |
| Automatic Dispensers | Tonnes | **Y** | **Y** | **Y** |
| Display Equipment | Tonnes | **Y** | **Y** | **Y** |
| Cooling Appliances Containing Refrigerants | Tonnes | **Y** | **Y** | **Y** |
| Gas Discharge Lamps | Tonnes | **Y** | **Y** | **Y** |
| Total WEEE | Tonnes | **Y** | **Y** | **Y** |

### WEEE Received Approved Exporters UK Summary (AfA317)

|  |
| --- |
| **Description**  Contains data reported by Approved Exporters (AEs) about the amount of WEEE they receive. The report contains figures for   * WEEE received for export * WEEE exported for reuse   And is broken down by;   * Category (1 – 13) * Household/non-household   The report is a UK dataset and contains no information about any specific company.  Data is reported quarterly.  Reports available date back to Q3 2007.  Zero values are common in this summary dataset. Only obligated WEEE requires reporting, and obligated WEEE that has already been reported by an Authorised Approved Treatment Facility is also not reportable.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBC](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Quarterly  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Website.  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Large Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| Small Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| IT and Telcomms Equipment | Tonnes | **Y** | **Y** | **Y** |
| Consumer Equipment | Tonnes | **Y** | **Y** | **Y** |
| Lighting Equipment | Tonnes | **Y** | **Y** | **Y** |
| Electrical and Electronic Tools | Tonnes | **Y** | **Y** | **Y** |
| Toys Leisure and Sports | Tonnes | **Y** | **Y** | **Y** |
| Medical Devices | Tonnes | **Y** | **Y** | **Y** |
| Monitoring and Control Instruments | Tonnes | **Y** | **Y** | **Y** |
| Automatic Dispensers | Tonnes | **Y** | **Y** | **Y** |
| Display Equipment | Tonnes | **Y** | **Y** | **Y** |
| Cooling Appliances Containing Refrigerants | Tonnes | **Y** | **Y** | **Y** |
| Gas Discharge Lamps | Tonnes | **Y** | **Y** | **Y** |
| Total WEEE | Tonnes | **Y** | **Y** | **Y** |

### WEEE Received Non-Obligated UK Summary (AfA314)

|  |
| --- |
| **Description**  Contains data reported by Approved Authorised Treatment Facilities (AATFs) and Approved Exporters (AEs) about the amount of non-obligated WEEE received.  The figures are broken down by category (1 – 13)  The report is a UK dataset and contains no information about any specific company.  Data is reported quarterly.  Reports available date back to Q1 2010.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBC](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Quarterly  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Website.  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Large Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| Small Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| IT and Telcomms Equipment | Tonnes | **Y** | **Y** | **Y** |
| Consumer Equipment | Tonnes | **Y** | **Y** | **Y** |
| Lighting Equipment | Tonnes | **Y** | **Y** | **Y** |
| Electrical and Electronic Tools | Tonnes | **Y** | **Y** | **Y** |
| Toys Leisure and Sports | Tonnes | **Y** | **Y** | **Y** |
| Medical Devices | Tonnes | **Y** | **Y** | **Y** |
| Monitoring and Control Instruments | Tonnes | **Y** | **Y** | **Y** |
| Automatic Dispensers | Tonnes | **Y** | **Y** | **Y** |
| Display Equipment | Tonnes | **Y** | **Y** | **Y** |
| Cooling Appliances Containing Refrigerants | Tonnes | **Y** | **Y** | **Y** |
| Gas Discharge Lamps | Tonnes | **Y** | **Y** | **Y** |
| Total WEEE | Tonnes | **Y** | **Y** | **Y** |

### WEEE Reprocessors and Exporters (AfA156)

|  |
| --- |
| **Description**  Contact details of approximately 420 reprocessors and exporters of WEEE approved under the Waste Electrical and Electronic Regulations. Complete details are available for registered companies etc.  Some data is omitted for other reprocessors and exporters for data protection reasons.  **Issues to Note**  Contact business telephone number (for limited companies only) for Reprocessors is not protected under the Data Protection Act. We would normally be willing to accept an alternative number at the request of the company.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={01DF6039-71A2-40B9-BB09-172C631740B2}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b01DF6039-71A2-40B9-BB09-172C631740B2%7d)  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Reprocessor name | Official name of company holding permit | **Y** | **Y** | **Y** |
| Reprocessor address | Head Office address of company holding permit | **Y** | **Y** | **Y** |
| Reprocessor site address | Site address of each approved reprocessing site | **Y** | **Y** | **Y** |
| Reprocessor contact details | Contact name (for limited companies only) | **Y** | **Y** | **Y** |
| Reprocessor contact details | Contact company email address, (for limited companies only) | **Y** | **Y** | **Y** |
| Reprocessor contact details | Contact business e-mail address (partnerships and sole traders) | **N** | **N** | **N** |
| Reprocessor contact details | Contact company telephone number (for limited companies only) | **Y** | **Y** | **Y** |
| Reprocessor contact details | Contact business telephone number (for limited companies only) | **Y** | **Y** | **Y** |
| Reprocessor contact details | Contact company correspondence address (for limited companies only) | **Y** | **Y** | **Y** |
| Reprocessor contact details | Contact business correspondence address (partnerships and sole traders) | **N** | **N** | **N** |
| Exporter name | Official name of exporter | **Y** | **Y** | **Y** |
| Exporter address | Head Office address of exporter | **Y** | **Y** | **Y** |
| Exporter contact details | Contact name (for limited companies only) | **Y** | **Y** | **Y** |
| Exporter contact details | Contact company email address, (for limited companies only) | **Y** | **Y** | **Y** |
| Exporter contact details | Contact business e-mail address (partnerships and sole traders) | **N** | **N** | **N** |
| Exporter contact details | Contact company telephone number (for limited companies only) | **Y** | **Y** | **Y** |
| Exporter contact details | Contact business telephone number (partnerships and sole traders) | **N** | **N** | **N** |
| Exporter contact details | Contact company correspondence address (for limited companies only) | **Y** | **Y** | **Y** |
| Exporter contact details | Contact business correspondence address (partnerships and sole traders) | **N** | **N** | **N** |

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### WEEE Self-Cleared UK Summary (AfA315)

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| --- |
| **Description**  Contains data reported by Designated Collection Facilities (DCFs) about the amount of WEEE they clear and report themselves. This covers WEEE which is not accounted for by approved schemes. The report contains figures for   * WEEE deliveredto Approved Exporters (AEs) * WEEE delivered to Authorised Treatment Facilities (ATFs)   The figures are broken down by category (1 – 13)  The report is a UK dataset and contains no information about any specific company.  Data is reported quarterly.  Reports available date back to Q3 2007  **NB** zero figures have been reported since Q3 2008 because no DCFs have carried out this activity since then.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBC](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bF1E23CD4-DA46-498D-B619-F2981B3DE595%7d&view=fullHtml)  **Update frequency**  Quarterly  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Large Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| Small Household Appliances | Tonnes | **Y** | **Y** | **Y** |
| IT and Telcomms Equipment | Tonnes | **Y** | **Y** | **Y** |
| Consumer Equipment | Tonnes | **Y** | **Y** | **Y** |
| Lighting Equipment | Tonnes | **Y** | **Y** | **Y** |
| Electrical and Electronic Tools | Tonnes | **Y** | **Y** | **Y** |
| Toys Leisure and Sports | Tonnes | **Y** | **Y** | **Y** |
| Medical Devices | Tonnes | **Y** | **Y** | **Y** |
| Monitoring and Control Instruments | Tonnes | **Y** | **Y** | **Y** |
| Automatic Dispensers | Tonnes | **Y** | **Y** | **Y** |
| Display Equipment | Tonnes | **Y** | **Y** | **Y** |
| Cooling Appliances Containing Refrigerants | Tonnes | **Y** | **Y** | **Y** |
| Gas Discharge Lamps | Tonnes | **Y** | **Y** | **Y** |
| Total WEEE | Tonnes | **Y** | **Y** | **Y** |

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# RESERVOIRS

### Large Raised Reservoirs (AfA134)

|  |
| --- |
| **Description**  This dataset contains details of Large Raised Reservoirs. The Environment Agency collects and maintains data on all reservoirs designed or capable of holding more than 25,000 cubic metres of water above the natural level of any part of the land adjoining them defined as “large raised reservoirs” under the Reservoirs Act 1975. The register contains detail on the type, physical characteristics, inspection details and information on the reservoir undertaker and Panel Engineer overseeing their operation and maintenance. Under the Water Act 2003 the role of the Reservoirs Act 1975 enforcement authority was transferred to the Environment from Local Authorities in 2004. Large Raised Reservoirs is referred to externally as Risk of Flooding from Reservoirs.  Two types of reservoir are maintained within the register:  • Impounding (Dammed); or  • Non-Impounding (Pumped/unimpeded);  Summaries of certificates and reports are also collated and held for each reservoir but are not part of the electronic database.  **Issues to Note**  None  **Data Contact / Supply**  **AfA Category**  AfA (Publication Scheme & IfRR)  **Guidance**  N/A |

| **Attribute Name** | | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| Reservoir Name | | Name of reservoir | **Y** | **Y** | **Y** |
| Physical Status | | Status of reservoir e.g. In operation | **Y** | **Y** | **Y** |
| Situation | | Nearest locality e.g. Bristol | **Y** | **Y** | **Y** |
| NGR | | National grid reference | **Y** | **Y** | **Y** |
| Undertaker Name | | Individual or organisation that is tasked with the responsibility of managing the reservoir | **Y** | **Y** | **Y** |
| Undertaker Contact Name and Address | Name | Undertaker’s contact name and address | **Y** | **Y** | **Y** |
| Position |
| Primary Name |
| Secondary Name |
| Street Name |
| Locality |
| Town |
| Post Town |
| County |
| Postcode |

### Reservoir Inundation Flood Maps – Fixed Format (AfA181)

|  |
| --- |
| **Description**  This contains a document set of fixed format maps available in .pdf format showing the modelled outputs of flooding from the breaching of reservoirs. Model output have been mapped to OS background mapping and are developed for emergency planning purposes. The modelled extent is not intended to display the expected outline of an actual flood event, rather a tool to assist in emergency planning. It shows an extreme worst case scenario for areas that may need to be evacuated. Reservoir Inundation Flood Maps – Fixed Format are referred to externally as Risk of Flooding from Reservoirs.  Maps are available for a number of criteria such as reservoir summary, reservoir inundation hazard map, maximum flood extent, depth and velocity. Where a reservoir is likely to breach at multiple locations, hazard and flood extent maps are also available for as a composite to show flooding as a single event.  These data are Protectively marked as PROTECT with the exception of the Summary Results and Flood Extent (1 and 2).  **Issues to Note**  N/A  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={D6543F18-AF7D-4879-8CA2-DC74A88CA4EE}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bD6543F18-AF7D-4879-8CA2-DC74A88CA4EE%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  N/A  **Guidance**  For Category 1 and 2 responders these data are approved for re-use. **The National Protocol for Handling Transmission and Storage of RIM v5.1 March 2010 should be followed.** These would be charged as Non-Special data. Note that these reservoir flood outlines are published on WIYBY. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Dam Breach Inundation Modelling Summary Sheet | Summary sheet for each reservoir containing information on 2,701 reservoirs that includes information on: Breach location, volume capacity, flood hydrography and outflow parameters that were input into the individual model runs. | **Y** | **Y** | **Y** |
| Maximum Flood Outline (Extent) Map | Map of the reservoir inundation flood mapping maximum extent. | **Y** | **Y** | **Y** |
| Maximum Hazard Map | Map showing the flood outline on raster background showing the maximum flood hazard risk classified as:   * Extreme Hazard (H > 2.00) * Significant Hazard (1.25 < H < 2.00) * Moderate Hazard (0.75 < H < 1.25) * Low Hazard (H < 0.75) | **N** | **N** | **N** |
| Maximum Depth Map | Map showing the maximum flood depth on a raster background classified as:   * Low Hazard (H < 0.75)>2.00 m * 1.00 – 2.00 m * 0.50 – 1.00 m * 0.25 – 0.50 m * 0.00 – 0.25 m | **N** | **N** | **N** |
| Maximum Velocity Map | **Map showing the maximum flood velocity, dependent upon gradient, on a raster background classified as:**   * > 4.00 m/s * 2.00 – 4.00 m/s * 0.50 – 2.00 m/s * 0.25 – 0.50 m/s * 0.00 – 025 m/s | **N** | **N** | **N** |
| Maximum Flood Extent Map showing **composite** of all breach locations | Maximum flood extent map for all the breach locations at that reservoir – shows the combined extent for all flood events at a reservoir. As such these are only available for reservoirs with multiple breaches. | **Y** | **Y** | **Y** |
| Maximum Hazard Map showing **composite** of all breach locations | Maximum flood harazard map for all the breach locations at that reservoir – shows the combined extent for all flood events at a reservoir. As such these are only available for reservoirs with multiple breaches. | **N** | **N** | **N** |

### Reservoir Flood Maps – Spatial Data (AfA180)

|  |
| --- |
| **Description**  **Description of information:** As the result of the Water Act 2003, responsibility for reservoir safety in England and Wales was transferred to the Environment Agency (EA). As the new enforcement authority, the Environment Agency is responsible for assuring the safety of the nation’s approximately 2,100 reservoirs by enforcing the Reservoirs Act 1975. Simplified inundation mapping was carried out nationally by the Environment Agency to provide a baseline assessment of all reservoirs falling within the Act. Reservoirs Flood Maps – Spatial Data are referred to externally as Risk of Flooding from Reservoirs.  The detailed outputs show the potential flood risk if reservoirs were breached. The models were created at various resolutions ranging from 10 metre cells through to 50 metre squares for locations furthest away from the breach. These files are not available as a single, discrete file since each reservoir has been modelled individually.  It should be noted that these model out puts are for emergency planning purposes and are not intended to reflect the most detailed flood extents. As such these data show the absolute maximum flood where there is likely to be an impact.  **Issues to Note**  Security markings have been inconsistently applied to the various data layers. These data are not approved for access due to fixed images generated using these data having been protectively marked.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={5D749F5A-1432-470A-82B7-11EF6839FB26}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b5D749F5A-1432-470A-82B7-11EF6839FB26%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  N/A  **Format Supplied**  Shapefile  **Special Conditions**  All attributes can be used for the purposes of carrying out a Flood Risk Assessment [as defined in PPS25 - to be confirmed] and/or emergency planning purposes as defined in the Civil Contingencies Act 2004. The following attributes: Maximum Flood Depth, Maximum Flood Velocity, Maximum Flood Hazard, Initial and Peak Flood Arrival Time, Maximum Composite Flood Depth, Maximum Composite Flood Hazard, Risk Infill (if required) should not be directly or indirectly identifiable either collectively or individually, in any publically reviewable document (of any format).  **Information Warning**  None  **Guidance**  For Category 1 and 2 responders these data are approved for re-use. **The National Protocol for Handling Transmission and Storage of RIM v6.3 December 2010 should be followed.** These would be charged as Non-Special data. Note that these reservoir flood outlines are published on WIYBY. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Location of Subject Reservoir | Point location of subject reservoir. These have been manually changed in some instances and are located within the reservoir outline. | **Y** | **Y** | **Y** |
| Location of Cascade Failure Reservoir(s) | Point location of cascade reservoir(s) (if applicable). This indicated the location of a reservoir only if it were to flood from the impact of an upstream reservoir. I.e. these would not breach. | **Y** | **Y** | **Y** |
| Location of Breach | Point location of the assumed breach location. Includes multiple breach locations (if applicable). | **Y** | **Y** | **Y** |
| Maximum Flood Extent | The maximum extent of modelled dam breach flood inundation – this is shown as a single feature. | **Y** | **Y** | **Y** |
| Maximum Flood Depth | The maximum dam breach flood depth in ACSII grid format (c. 25%) or vector datasets (c. 75%). Results are held in 10 – 50 metres squares and show depth by metres. | **N** | **N** | **N** |
| Maximum Flood Velocity | The maximum dam breach flood velocity in ACSII grid format | **N** | **N** | **N** |
| Maximum Flood Hazard | The maximum dam breach flood hazard in ACSII grid format (c. 25%) or vector datasets (c. 75%). Maximum flood hazard risk classified as:   * Extreme Hazard (H > 2.00) * Significant Hazard (1.25 < H < 2.00) * Moderate Hazard (0.75 < H < 1.25) * Low Hazard (H < 0.75) | **N** | **N** | **N** |
| Initial and Peak Flood Arrival Time | 1. Cross-sections polylines at 1km intervals, in terms of river centreline, downstream of the subject reservoir.  2. An associated EXCEL file containing the cross-section IDs, and initial and peak flood arrival times at each cross-section.  3. A GIS file that combines cross-sections detailed in [1] with travel times detailed in [2] so that they can be plotted in accordance with the example\* map provided in Appendix A. | **N** | **N** | **N** |
| Maximum **Composite** Flood Depth | The maximum dam breach flood hazard in ACSII grid format for all the breach locations at that reservoir. | **N** | **N** | **N** |
| Maximum **Composite** Flood Hazard | The maximum dam breach flood hazard in ACSII grid format for all the breach locations at that reservoir. | **N** | **N** | **N** |
| Risk Infill (if required) | Areas of inundation not modelled by any breaches at a reservoir which may be at risk of inundation if the breach location were to be altered. This occurs in circa <1% Most breaches have been modelled using the middle of a barrier, however, these include models where there is a likelihood of breaching at a different location. | **N** | **N** | **N** |

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### Reservoir Flood Map Maximum Flood Outline (Extent) (AfA113)

|  |
| --- |
| **Description**  Data layer showing individual reservoir flood maps for 2,092 Large Raised Reservoirs including attributed data. Individual reservoirs may have up to 5 flood maps associated with them, based on separate breach locations. The data shows the maximum extent of flood should the reservoir be breached, although the location of the reservoir can be inferred it is not explicitly shown on the maps. Reservoir Flood Map Maximum Flood Outline (Extent) is referred to externally as Risk of Flooding from Reservoirs.  **Issues to Note**  Attribute data has been agreed by the Defra/Cabinet Office/EA Reservoir Flooding project board. The project board received Ministerial request that the maps should be made available to the public, rather than a text based search result.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={4113C0EA-24AA-490F-B53C-6E2D658F9EFB}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b4113C0EA-24AA-490F-B53C-6E2D658F9EFB%7d)  **Update frequency**  Information will be supplied using the What’s In Your Back Yard (WIYBY) tool on the Environment Agency’s web site. The flooding maps are already available to the public via EA Area Offices and Local Authorities on request.  **Supply frequency**  Customers will be able to use the WIYBY tool to search for reservoir flood maps. Updates to individual flood maps will occur on an ad hoc basis (there is no programme of planned updates) if the flood modelling is found to be inaccurate.  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polygon shapefile  **Special Conditions**  None  **Information Warning**  “The Reservoir Flood Map Outline (Extent) shows the largest area that might be flooded if a reservoir were to fail and release the water it holds. Since this is a prediction of a credible worst case scenario, it’s unlikely that any actual flood would be this large. These data are intended for emergency planning only and are not reliable for large scale flood risk assessments.    Please note that only flood maps for large reservoirs are displayed. Flood maps are not displayed for smaller reservoirs or for reservoirs commissioned after reservoir mapping began in spring 2009.”  **Guidance**  Information warning should accompany data. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shapefile | Polygon  British National Grid | **Y** | **Y** | **Y** |
| Reference Number | EA unique reference number for each reservoir. Required as the reservoir name is not necessarily unique. | **Y** | **Y** | **Y** |
| Name | Reservoir Name | **Y** | **Y** | **Y** |
| Location | Reservoir Location – will be the grid reference of the first breach point modelled. | **Y** | **Y** | **Y** |
| Undertaker | Name of the person/body with legal responsibility for the operation of the reservoir. | **Y** | **Y** | **Y** |
| Local Authority | Local authority within whose boundary the reservoir is located and who is therefore responsible for developing emergency plans. | **Y** | **Y** | **Y** |
| EA Area | EA Area within whose boundary the reservoir is located. | **Y** | **Y** | **Y** |

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# TRADING SCHEMES

### 

### Carbon Reduction Commitment Scheme Members (Corporate Entities) (AfA219)

|  |
| --- |
| **Description**  The Carbon Reduction Commitment Scheme (CRC) is a mandatory scheme within the UK for organisations that aims to reduce emissions of carbon dioxide by encouraging energy efficiency.  This product provides the name, trading name (if supplied) and address of the Primary Member for a Participant in CRC. Participants are Public Bodies, Corporate Bodies and Organisations of Individuals (excluding Sole Traders) e.g. who were supplied with at least 6,000 MWh of electricity in 2008 via an electricity meter than was capable of measuring supply half hourly.  The Primary Member is the legal entity within a Participant’s organisational structure that has been nominated to ensure the organisation complies with the Carbon Reduction Scheme. This dataset includes only members who are corporate entities (i.e. not sole traders, partnerships or associations).  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={2C65342D-B652-414D-B075-D077440DB84F}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b2C65342D-B652-414D-B075-D077440DB84F%7d)  **Update frequency**  Daily  **Supply frequency**  N/A  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Excel spreadsheet  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not available for re-use owing to prior rights issue. To be treated as non-Special Data and issued with Copyright Statement and Disclaimer without charge. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Registrant | Name of legal Undertaking/Public Body that is acting as Primary Member for the organisation at Registration | **Y** | **Y** | **N** |
| Trading Name | Trading name of legal undertaking/Public Body that is acting as Primary Member for the organisation at Registration | **Y** | **Y** | **N** |
| Primary Name | Address Line of legal Undertaking/Public Body acting as Primary Member | **Y** | **Y** | **N** |
| Secondary Name | Address Line of legal Undertaking/Public Body acting as Primary Member | **Y** | **Y** | **N** |
| Street | Address Line of legal Undertaking/Public Body acting as Primary Member | **Y** | **Y** | **N** |
| Locality | Address Line of legal Undertaking/Public Body acting as Primary Member | **Y** | **Y** | **N** |
| Town | Address Line of legal Undertaking/Public Body acting as Primary Member | **Y** | **Y** | **N** |
| Post Town | Address Line of legal Undertaking/Public Body acting as Primary Member | **Y** | **Y** | **N** |
| Administrative Area | Address Line of legal Undertaking/Public Body acting as Primary Member | **N** | **N** | **N** |
| Postcode | Address Line of legal Undertaking/Public Body acting as Primary Member | **N** | **N** | **N** |
| Primary Contact | Name of an individual who is acting of behalf of the legal Primary Member | **N** | **N** | **N** |
|  | Title of Primary Contact | **N** | **N** | **N** |
|  | Surname of Primary Contact | **N** | **N** | **N** |
|  | Forename of Primary Contact | **N** | **N** | **N** |
|  | Position of Primary Contact | **N** | **N** | **N** |
|  | Name of organisation employing Primary Contact (these may be third parties who may or may not be corporate entities) | **N** | **N** | **N** |
|  | Office phone number of Primary Contact | **N** | **N** | **N** |
|  | Fax number of Primary Contact | **N** | **N** | **N** |
|  | E-mail address of Primary Contact | **N** | **N** | **N** |
| Secondary Contact | Name of an individual who is acting of behalf of the Primary Member | **N** | **N** | **N** |
|  | Title of Secondary Contact | **N** | **N** | **N** |
|  | Surname of Secondary Contact | **N** | **N** | **N** |
|  | Forename of Secondary Contact | **N** | **N** | **N** |
|  | Position of Secondary Contact | **N** | **N** | **N** |
|  | Name of organisation employing Secondary Contact (these may be third parties who may or may not be corporate entities) | **N** | **N** | **N** |
|  | Office phone number of Secondary Contact | **N** | **N** | **N** |
|  | Fax number of Secondary Contact | **N** | **N** | **N** |
|  | E-mail address of Secondary Contact | **N** | **N** | **N** |
| Senior Officer | Name of an individual who is acting of behalf of the Primary Member | **N** | **N** | **N** |
| Title | Title of Senior Officer | **N** | **N** | **N** |
| Surname | Surname Senior Officer | **N** | **N** | **N** |
| Forename | Forename of Senior Officer | **N** | **N** | **N** |
| Position | Position of Senior Officer | **N** | **N** | **N** |
| Contact's Organisation | Name of organisation employing Senior Officer (these may be third parties who may or may not be corporate entities) | **N** | **N** | **N** |
| Office Phone | Office phone number of Senior Officer | **N** | **N** | **N** |
| Fax | Fax number of Senior Officer | **N** | **N** | **N** |
| Email | E-mail address of Senior Officer | **N** | **N** | **N** |

### Carbon Reduction Commitment Reporting Data) (AfA454)

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| --- |
| **Description**  Data drawn from annual reports of Carbon Reduction Commitment (CRC) participants for the most recent compliance year. This dataset covers the UK.  This data is used in the Annual Report Publication (ARP) under Article 75 of the legislation establishing the scheme - the CRC Energy Efficiency Scheme Order 2013. This provides for publishing this information on the basis of participants' annual reports plus details submitted when they registered for the scheme. The ARP is developed in conjunction with the other Government Departments and Regulators responsible for the scheme's design and implementation.  In phase 1 of the CRC scheme, we published information from participants’ annual reports in the form of the “Performance League Table” (PLT). The PLT was replaced by the ARP as part of DECC and the Devolved Administrations’ simplification of the scheme during phase 1.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  N/A  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  CRC Energy Efficiency Scheme Team  **Format Supplied**  Excel spreadsheet  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| CRC Registration Number | Unique reference number assigned to registration by Environment Agency. | **Y** | **Y** | **Y** |
| Organisation Name | UK parent or nominated UK parent. | **Y** | **Y** | **Y** |
| Trading/known as name (Parent) | Trading name as provided by the participant. This will be the trading name associated with the UK parent or nominated UK parent. If there is an overseas parent with no incorporated subsidiaries in the UK this will be blank. | **Y** | **Y** | **Y** |
| Regulator | There are four government regulators of the CRC scheme.  Environment Agency (EA) (England & Wales)  Scottish Environment Protection Agency (SEPA) (Scotland)  Northern Ireland Environment Agency (NIEA) (Northern Ireland)  Natural Resources Wales (NRW)  During registration a participant was required to select the country in which the compliance account holder operated. From this information the appropriate regulator was defined. | **Y** | **Y** | **Y** |
| Disaggregated From | CRC number for the parent company of a Participant Equivalent | **Y** | **Y** | **Y** |
| No. of Designated Changes | A Participant is required to notify the administrator if their organisation undergoes one of the following organisational changes:  • A Participant or Significant Group Undertaking (SGU) is purchased by a non-participant.  • A Participant or SGU is purchased by, or merges with, another participant.  • A SGU leaves its parent group to become a standalone organisation.  This figure in the report shows the total number of designated changes that have occurred since registration. | **Y** | **Y** | **Y** |
| Organisation Type | At registration a participant is required to select from three organisation types:  • Company  • Public Body  • OOI (Organisation of Individuals) | **Y** | **Y** | **Y** |
| Sector | Companies: The United Kingdom Standard Industrial Classification of Economic Activities (SIC) is used to classify business establishments and other standard units by the type of economic activity in which they are engaged. The new version of these codes (SIC 2007) was adopted by the UK as from 1st January 2008.  Public Bodies: The Public Body type is specified.  OOI (Organisation of Individuals): The OOI Type is specified. | **Y** | **Y** | **Y** |
| Sector Description | Companies: A description of the Standard Industrial Classification of Economic Activities (SIC). | **Y** | **Y** | **Y** |
| CRC emissions tCO2 | CRC emissions reported by the participant for the annual reporting year (for the whole participant organisation/group)  A Participant is required to report electricity and gas supplies that count as actual and estimated (estimated supplies automatically receive a 10% uplift) under CRC rules. This is then converted to Emissions (tCO2 to calculate the CRC Emissions (tCO2) of a participant. | **Y** | **Y** | **Y** |
| Onsite Self Supply Renewable Electricity Generation tCO2 | CRC participants are required to identify their on-site generation from renewables in their annual report. They are required to identify the quantity of electricity (kWh) generated from self-supplies on site which are eligible for, but have not been issued with, a Renewable Obligation Certificate (ROC) or claimed Feed In Tariffs (FIT) (from sources of energy and technologies installed from 1st January 2008). This is then converted into Emissions (tCO2). Phase 2 only. | **Y** | **Y** | **Y** |
| Electricity Generating Credits (EGC) (tCO2) | Participants are required to report electricity generating process supplies that are eligible for EGCs where all the five criteria below are met. This applies to Phase 1 only. | **Y** | **Y** | **Y** |
| Renewable Obligation Certificate (ROC) (tCO2) | The Renewables Obligation (RO) is currently the main mechanism for supporting large-scale generation of renewable electricity . All generated electricity is reported – both electricity exported and self-supplied. This is then converted into Emissions (tCO2). | **Y** | **Y** | **Y** |
| Feed In Tariffs (FIT) (tCO2) | The aim of the FIT scheme is to encourage deployment of small-scale (less than 5MW) low-carbon electricity generation, particularly by organisations, businesses, communities and individuals that have not traditionally engaged in the electricity market. All generated electricity is reported – both electricity exported self-supplied. This is then converted into Emissions (tCO2). | **Y** | **Y** | **Y** |
| Self Supply ROC & FIT (tCO2) | Participants are required to report the total quantity of electricity in kWh that they have generated and self-supplied for which they have received a FIT payment or been issued with a ROC . This is then converted into Emissions (tCO2) | **Y** | **Y** | **Y** |
| Self Supply EGC (tCO2) | Participants are required to report the total quantity of electricity in kWh that they have generated from renewable sources and self-supplied for which they are eligible to claim EGCs. This is then converted into Emissions (tCO2). This is Phase 1 only. | **Y** | **Y** | **Y** |
| Voluntary Tick box question [1] | “Does your CRC organisation disclose long-term carbon emission reduction targets in its annual reporting in respect of the majority of its CRC energy use?” | **Y** | **Y** | **Y** |
| Voluntary Tick box question [2] | “Does your CRC organisation disclose carbon emissions performance against these targets, in its annual reporting in respect of the majority of its CRC energy use?” | **Y** | **Y** | **Y** |
| Voluntary Tick box question [3] | “Does your CRC organisation name a Director with responsibility for overseeing carbon performance, in respect of the majority of its CRC energy use, in its annual reporting?” | **Y** | **Y** | **Y** |
| Voluntary Tick box question [4] | ”Do you actively engage employees to reduce energy use?” | **Y** | **Y** | **Y** |
| Discloses long term reduction targets | Does the CRC organisation disclose long-term carbon emission reduction targets in its annual reporting in respect of the majority of its CRC energy use?  Selected from:   * Yes * No * Undisclosed | **Y** | **Y** | **Y** |
| Report Comments | At the end of the annual report Participants can comment in a free text box upon any factor that they believe might affect their annual emissions. | **N** | **N** | **N** |

### Historical Carbon Reduction Commitment Performance Data (AfA191)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Description**  The CRC Energy Efficiency Scheme (CRC) Performance Data contains Performance League Tables (PLT) that have been compiled under the CRC Energy Efficiency Scheme from data submitted by organisations in their Annual Reports. CRC requires the highest UK parent organisation to register for CRC and to list all of its significant group undertakings (SGUs), available as an aggregated dataset. SGUs are undertakings that would qualify for CRC in their own right if they did not have a higher parent organisation. The qualification criterion is that the undertaking was supplied with 6000MWh of qualifying electricity during 2008 (some supplies do not qualify for CRC). The CRC Order requires that we show in the PLT the undertakings that "belong" to a parent, together with a total emissions figure in tonnes/CO2 for that SGU and are presented in a league table based on carbon emissions. SGU's only apply to the private sector; the public sector will not have SGUs.   * **Participant Data -** Detail of each participating organisation, carbon emissions, carbon reduction achievements, energy generated from renewable source and aggregated data. * **Performance -** This is the position in the Overall Performance League Table for a participant. This is calculated from their performance in each of the individual achievement tables (Early Action; Growth Metric; and Absolute Emissions) after the application of any weighting factors as defined below:   Phase 1   |  |  |  |  | | --- | --- | --- | --- | |  | Early Action Weighting (EAW) | Growth Weighting (GW) | Absolute Weighting (AW) | | Year 1 | 1.00 | 0.00 | 0.00 | | Year 2 | 0.40 | 0.15 | 0.45 | | Year 3 | 0.20 | 0.20 | 0.60 |   Phase 2   |  |  |  | | --- | --- | --- | |  | Growth Weighting (GW) | Absolute Weighting (AW) | | Phase 2 onwards | 0.25 | 0.75 |   **Achievement tables -** For each participant the Registry will calculate their Early Action Achievement Table Score based on the following data that has been recorded in the Annual Report for the participant.  Performance League tables were removed as part of simplified reporting in 2013.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={8AA78AC0-0BE8-418B-B866-BFABCC299F01}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b8AA78AC0-0BE8-418B-B866-BFABCC299F01%7d)  **Update frequency**  Annual,  These data are updated year on year in line with CRC legislation  **Supply frequency**  Oct 2011, update published if required Jan/Feb 2012. Published annually thereafter, with same period allowed for verification from participants or appeal against determination of emissions (figures or method in calculating emissions).    **Third Party Prior Rights**  None  **Data Contact / Supply**  Carbon Reduction Team  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance** |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Table 1: Main Performance League Table** | | | | |
| Overall Ranking | Organisations will be listed in the PLT in order of ranking. | **Y** | **Y** | **Y** |
| CRC Registration Number | Unique reference number assigned to registration by Environment Agency. | **Y** | **Y** | **Y** |
| Name (Parent) | UK parent or nominated UK parent. | **Y** | **Y** | **Y** |
| Trading/known as name (Parent) | Trading name as provided by the participant. This will be the trading name associated with the UK parent or nominated UK parent. If there is an overseas parent with no incorporated subsidiaries in the UK this will be blank. | **Y** | **Y** | **Y** |
| CRC emissions tCO2 | CRC emissions reported by the participant for the annual reporting year (for the whole participant organisation/group) | **Y** | **Y** | **Y** |
| Total Weighted Score |  | **Y** | **Y** | **Y** |
| Absolute Metric Absolute change % | Schedule 8, para 1 The percentage change in the CRC emissions compared to the historic average of CRC emissions (where it exists). | **Y** | **Y** | **Y** |
| CRC emissions per unit turnover tCO2 | CRC emissions divided by turnover or revenue expenditure figure (£) provided by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| Growth Metric relative change (%) | Schedule 8, para 2. The percentage change of CRC emissions per unit turnover compared with the historic average per unit turnover (where it exists) | **Y** | **Y** | **Y** |
| Early Action Metirc – combined EAM score % | Schedule 8, para 5. Average of percentages set out in para 5(2) | **Y** | **Y** | **Y** |
| Voluntary Tick box questions [1] [2] [3] [4] | 1. Does your CRC organisation disclose long-term carbon emission reduction targets in its annual reporting in respect of the majority of its CRC energy use? 2. Does your CRC organisation disclose carbon emissions performance against these targets, in its annual reporting in respect of the majority of its CRC energy use? 3. Does your CRC organisation name a Director with responsibility for overseeing carbon performance, in respect of the majority of its CRC energy use, in its annual reporting? 4. Do you actively engage employees to reduce energy use? | **Y** | **Y** | **Y** |
| **Table 2: Significant Group Undertakings (SGU) Table** | | | | |
| Name (PARENT) | UK parent or nominated UK parent. If an overseas parent has no incorporated subsidiary undertakings in the UK overseas parent will be shown. | **Y** | **Y** | **Y** |
| List of SGUs in each parent registration | Significant Group Undertakings (SGUs) registered by the participant as part of his registration. These are undertakings within the parent group structure that were supplied with 6000MWh or more of qualifying electricity in 2008 | **Y** | **Y** | **Y** |
| Identification of disaggregated SGUs associated with each parent. | At registration the parent organisation is allowed to identify SGUs for disaggregation from the parent. | **Y** | **Y** | **Y** |
| **Table 3: Corporate Score Card – top level** | | | | |
| Name (PARENT) | UK parent or nominated UK parent. Where an overseas parent has no incorporated subsidiary undertakings in the UK the overseas parent will be shown. | **Y** | **Y** | **Y** |
| Trading/known as name (PARENT) | Trading name as provided by the participant. This will be the trading name associated with the UK parent or nominated UK parent. Where an overseas parent has no incorporated subsidiary undertakings in the UK this will be left blank. | **Y** | **Y** | **Y** |
| SIC code (private sector) | United Kingdom Standard Industrial Classification of Economic Activities (SIC) is used to classify business establishments and other standard units by the type of economic activity in which they are engaged. Provided by participant for parent organisation. | **Y** | **Y** | **Y** |
| Description - public sector | Sector categorisation selected by participant at registration. | **Y** | **Y** | **Y** |
| CRC emissions tCO2 | CRC emissions reported by the participant for the annual reporting year | **Y** | **Y** | **Y** |
| Tick box questions |  |  |  |  |
| **Table 4: Corporate Scorecard SGU** | | | | |
| List of SGUs in each parent registration | Significant Group Undertakings (SGUs) registered by the participant as part of his registration. These are undertakings within the parent group structure that were supplied with 6000MWh or more of qualifying electricity in 2008 | **Y** | **Y** | **Y** |
| Trading name for each SGU | Trading name as provided by the participant. | **Y** | **Y** | **Y** |
| SIC code for each SGU |  | **Y** | **Y** | **Y** |
| CRC emissions for each SGU (tCO2) | This information is provided by the participant as part of his annual report for the previous annual reporting year | **Y** | **Y** | **Y** |
| **Table 5: Corporate scorecard – performance table** | | | | |
| Overall Ranking | This is the position in the Overall Performance League Table for a participant. This is calculated from their performance in each of the individual achievement tables (Early Action; Growth Metric; and Absolute Emissions) including the application of any weighting factors. | **Y** | **Y** | **Y** |
| Scores for each achievement table (Score for the early action metric) | The achievement tables are (i) absolute metric (ii) growth metric and (iii) early action metric (EAM). Performance in each is scored and the scores are weighted to provide a total weighted score (below). | **Y** | **Y** | **Y** |
| Score for the absolute metric | As above | **Y** | **Y** | **Y** |
| Score for the growth metric | As above | **Y** | **Y** | **Y** |
| Total weighted score | As above | **Y** | **Y** | **Y** |
| Free Text Field | Collected as part of the annual report. The participant can comment of factors which might affect his/her position in the PLT. | **N** | **N** | **N** |
| **Table 6: Corporate scorecard – achievement table** | | | | |
| Scores for each achievement table | The achievement tables are (i) absolute metric (ii) growth metric and (iii) early action metric (EAM). Performance in each is scored and the scores are weighted to provide a total weighted score (below). | **Y** | **Y** | **Y** |
| **(i) Early action metric** | | | | |
| Early action - CTS% | Awards participants who have taken action before or at the start of CRC to reduce emissions. Made up of two elements - (i) certification under the Carbon Trust Scheme (or an equivalent) (ii) % of supplies made through AMR meters etc.  Note: Article 78(3)(e), refers to Article 75 (achievement tables) which refers in Art 75(1) to Schedule 8. | **Y** | **Y** | **Y** |
| Early Action - AMR% |  | **Y** | **Y** | **Y** |
| Early action metric ranking |  | **Y** | **Y** | **Y** |
| **(ii) Absolute metric** | | | | |
| Historic average of CRC emissions (t/CO2) | Note: Article 78(3)(e), refers to Article 75 (achievement tables) which refers in Art 75(1) to Schedule 8 | **Y** | **Y** | **Y** |
| Absolute change %  %change in annual CRC emissions compared to historic average |  | **Y** | **Y** | **Y** |
| Absolute metric ranking |  | **Y** | **Y** | **Y** |
| **(iii) Growth metric** | | | | |
| Annual emissions per unit turnover (CO2/£) (absolute/turnover) | Note: Article 78(3)(e), refers to Article 75 (achievement tables) which refers in Art 75(1) to Schedule 8 | **Y** | **Y** | **Y** |
| Historic average of emissions per unit turnover (CO2/£) |  | **Y** | **Y** | **Y** |
| Relative change %  % change in CRC emissions per unit turnover compared to the historic average. |  | **Y** | **Y** | **Y** |
| Growth metric ranking |  | **Y** | **Y** | **Y** |
| **Table 7: Corporate scorecard - Renewables generation** | | | | |
|  | | | | |
| Electricity generated using renewables for which Renewables Obligation Certificates (ROCs) have been issued | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| Electricity generated using renewables for which FITs have been issued | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| amount of electricity generated using renewables that has been self supplied for which ROCs/FITs have been issued | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| kWh covered by Electricity Generating Credits claimed for electricity generated from renewables which is self-supplied to the premises at which it is generated. | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| Percentage of emissions covered by on-site renewables ie this is just self-supplied electricity. | (ie Total Tonnes of CO2 covered by Renewables Generation (TTRG+TTEGCR) | **Y** | **Y** | **Y** |
| Percentage annual change in TTRG+TTEGCR (onsite renewables) - | Based on a five year rolling average | **Y** | **Y** | **Y** |
| Percentage of emissions covered by subsidised electricity , ie electricity for which ROCs/FITs have been issued, but could have been self-supplied or exported | (ie TTROC + TTFIT) | **Y** | **Y** | **Y** |
| Percentage annual change in subsidised electricity | Based on a five year rolling average | **Y** | **Y** | **Y** |
| Amount of electricity generating credits claimed (kWh) |  | **Y** | **Y** | **Y** |
| **Participant Data** | | | | |
| CCA exemptions claimed | In order to avoid double regulation, organisations that have some of their emissions covered by a Climate Change Agreement (CCA) do not have to report these emissions under CRC. If greater than 25% of an undertaking's emissions are covered by a CCA that undertaking can be fully exempted from CRC. If the participant is a group, some of the undertakings under the parent can be exempted on the above basis whilst the remainder continues to participate in CRC. Note that if an entire organisation is exempt it will not be a full participant in CRC and will not appear in the PLT | **Y** | **Y** | **Y** |
| Corporate Score Card SUG |  | **Y** | **Y** | **Y** |
| List of SGUs in each parent registration | Significant Group Undertakings (SGUs) registered by the participant as part of his registration. These are undertakings within the parent group structure that were supplied with 6000MWh or more of qualifying electricity in 2008 | **Y** | **Y** | **Y** |
| Trading name for each SGU | Trading name as provided by the participant. | **Y** | **Y** | **Y** |
| SIC code for each SGU |  | **Y** | **Y** | **Y** |
| CRC emissions for each SGU (tCO2) | This information is provided by the participant as part of his annual report for the previous annual reporting year | **Y** | **Y** | **Y** |
| Corporate scorecard - Renewables generation | CRC emissions divided by turnover or revenue expenditure figure (£) provided by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| Electricity generated using renewables for which ROCs have been issued | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| Electricity generated using renewables for which FITs have been issued | As above | **Y** | **Y** | **Y** |
| amount of electricity generated using renewables that has been self supplied for which ROCs/FITs have been issued | As above | **Y** | **Y** | **Y** |
| kWh covered by Electricity Generating Credits claimed for electricity generated from renewables which is self-supplied to the premises at which it is generated. | As above | **Y** | **Y** | **Y** |
| Percentage of emissions covered by on-site renewables ie this is just self-supplied electricity. | (ie TTRG+TTEGCR) | **Y** | **Y** | **Y** |
| Percentage annual change in TTRG+TTEGCR (onsite renewables) - | Based on a five year rolling average | **Y** | **Y** | **Y** |
| **Performance** | | | | |
| Percentage annual change in subsidised electricity | Based on a five year rolling average | **Y** | **Y** | **Y** |
| Scores for each achievement table | The achievement tables are (i) absolute metric (ii) growth metric and (iii) early action metric (EAM). Performance in each is scored and the scores are weighted to provide a total weighted score (below). | **Y** | **Y** | **Y** |
| Total weighted score | As above | **Y** | **Y** | **Y** |
| **Achievement tables** | | | | |
| Early action | Awards participants who have taken action before or at the start of CRC to reduce emissions. Made up of two elements - (i) certification under the Carbon Trust Scheme (or an equivalent) (ii) % of supplies made through AMR meters etc. | **Y** | **Y** | **Y** |
| Absolute change (absolute metric) | Already given above | **Y** | **Y** | **Y** |
| Relative change (growth metric) | Already given above | **Y** | **Y** | **Y** |
| Ranking for each achievement table | The ranking of each achievable table based on a weighted score. | **Y** | **Y** | **Y** |
| **Renewables** | | | | |
| Renewables | Organisations that generate electricity from renewable sources may be able to claim Renewables Obligation Certificates (ROCs) or Feed-In Tariffs (FITs). DECC have committed publicly to publishing data to compare participants for any increases in on-site renewable electricity generation and self supply. | **Y** | **Y** | **Y** |
| **ROCs/FITs (related to renewables)** | | | | |
| kWh for which ROCs issued. | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| kWh for which FITs issued. | As above | **Y** | **Y** | **Y** |
| **Renewables generation (related to renewables)** | | | | |
| kWh of covered by renewables generation | As above | **Y** | **Y** | **Y** |
| kWh generated from renewables (self supplied) covered by EGCs | As above | **Y** | **Y** | **Y** |
| **Derived figures (from R2 formulae doc9) (related to renewables)**  For each participant the Registry will calculate their Renewables League Table Score based on the following data that has been recorded in the Annual Report for the participant: | | | | |
| Total Tonnes of CO2 covered by Renewables Obligation Certificates (ROC) | TTROC - Total Tonnes of CO2 covered by Renewables Obligation Certificates (ROC) | **Y** | **Y** | **Y** |
| Total Tonnes of CO2 covered by Feed In Tariffs (FIT) | TTFIT - Total Tonnes of CO2 covered by Feed In Tariffs (FIT) | **Y** | **Y** | **Y** |
| Total Tonnes of CO2 covered by Renewables Generation which is self-supplied and is covered by a ROC/FIT | TTRG – Total Tonnes of CO2 covered by Renewables Generation which is self-supplied and is covered by a ROC/FIT | **Y** | **Y** | **Y** |
| Total Amount (tonnes CO2) of CRC emissions covered by Renewables | The Registry will then combine together the data entered into each field to create a Total Amount (tonnes CO2) of CRC emissions covered by Renewables (TAR). | **Y** | **Y** | **Y** |
| % emissions covered by renewables tCO2 | The PECR (Percentage Emissions Covered by Renewables) for each Participant is then calculated as follows: | **Y** | **Y** | **Y** |
| Ranking based on % emissions covered by renewables tCO2 | Once all PECR have been calculated the Registry will use these to generate the Renewables League Table as follows. Each participant is allocated a place in the Renewables League Table based on their PECR. The highest position will be awarded to the participant(s) with the highest PECR and the lowest position awarded to the participant(s) with the lowest PECR. | **Y** | **Y** | **Y** |
| change in % covered by renewables | Percentage change in total CRC covered by Rewewables. | **Y** | **Y** | **Y** |
| **Other (underlying dataset – not part of the league tables, fully exempt organisations will not appear n these tables)** | | | | |
| CCA exemptions claimed | In order to avoid double regulation, organisations that have some of their emissions covered by a Climate Change Agreement (CCA) do not have to report these emissions under CRC. If greater than 25% of an undertaking's emissions are covered by a CCA that undertaking can be fully exempted from CRC. If the participant is a group, some of the undertakings under the parent can be exempted on the above basis whilst the remainder continues to participate in CRC. Note that if an entire organisation is exempt it will not be a full participant in CRC and will not appear in the PLT | **Y** | **Y** | **Y** |
| **Corporate Score Card SUG** | | | | |
| List of SGUs in each parent registration | Significant Group Undertakings (SGUs) registered by the participant as part of its registration. These are undertakings within the parent group structure that were supplied with 6000MWh or more of qualifying electricity in 2008 | **Y** | **Y** | **Y** |
| Trading name for each SGU | Trading name as provided by the participant. | **Y** | **Y** | **Y** |
| SIC code for each SGU |  | **Y** | **Y** | **Y** |
| CRC emissions for each SGU (tCO2) | This information is provided by the participant as part of its annual report for the previous annual reporting year | **Y** | **Y** | **Y** |
| **Corporate scorecard - Renewables generation** | | | | |
| Electricity generated using renewables for which ROCs have been issued | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| Electricity generated using renewables for which FITs have been issued | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| amount of electricity generated using renewables that has been self supplied for which ROCs/FITs have been issued | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| kWh covered by Electricity Generating Credits claimed for electricity generated from renewables which is self-supplied to the premises at which it is generated. | This data is reported by the participant as part of the annual report. | **Y** | **Y** | **Y** |
| Percentage of emissions covered by on-site renewables ie this is just self-supplied electricity. | (ie TTRG+TTEGCR) | **Y** | **Y** | **Y** |
| Percentage annual change in TTRG+TTEGCR (onsite renewables) - | Based on a five year rolling average | **Y** | **Y** | **Y** |
| Percentage of emissions covered by subsidised electricity , ie electricity for which ROCs/FITs have been issued, but could have been self-supplied or exported | (ie TTROC + TTFIT) | **Y** | **Y** | **Y** |
| Percentage annual change in subsidised electricity | Based on a five year rolling average | **Y** | **Y** | **Y** |

# WATER RESOURCES

### Abstraction Reliability Cycle 1 (AfA420)

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| **Description**  The Abstraction Reliability Cycle 1 dataset shows the percentage of time additional water may be available for consumptive abstraction (subject to assessment of local risks) for each water body.  This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  This dataset uses WFD River waterbody catchments cycle 1 geometry. Water Resource Availability and Abstraction Reliability Cycle 2 is available under AfA445.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B894EE32A-4A65-48D5-916C-7C06320E8D0B%7D>    **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ArcGIS  **Special Conditions**  None  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Primary key in geographical dataset | **Y** | **Y** | **Y** |
| SHAPE | Polygon | **N** | **N** | **N** |
| OBJECTID | Primary key in geographical dataset | **Y** | **Y** | **Y** |
| EA\_WB\_ID | This is a unique reference number of each Water Body. | **Y** | **Y** | **Y** |
| DSTREAM\_WB | This is a unique reference number of the water body that is downstream of the EA\_WB\_ID. | **Y** | **Y** | **Y** |
| TYPE\_IWB | Type of water body | **Y** | **Y** | **Y** |
| WBAREA\_M2 | Area of water body in M2 | **Y** | **Y** | **Y** |
| UPSAREA\_M2 | Upstream area draining into the water body in M2 | **Y** | **Y** | **Y** |
| OUTFLOWX | National grid reference for the outflow of this water body | **Y** | **Y** | **Y** |
| OUTFLOWY | National grid reference for the outflow of this water body | **Y** | **Y** | **Y** |
| NAME | Name of the water body | **Y** | **Y** | **Y** |
| RESAVAIL | What percentage of the time additional water may be available for consumptive abstraction (subject to assessment of local risks) for each water body.  There are 5 categories:  Less that 30% - water for consumptive abstraction is available for less that 30% of the time  At least 30% - water for consumptive abstraction is available at least 30% of the time  At least 50% - water for consumptive abstraction is available at least 50% of the time  At least 70% - water for consumptive abstraction is available at least 70% of the time  At least 95% - water for consumptive abstraction is available at least 95% of the time | **Y** | **Y** | **Y** |

### Abstraction Statistics (ABSTAT) from 2000 onwards (AfA268)

|  |
| --- |
| **Description**  The Environment Agency is responsible for licensing the abstraction of water in England and Wales. Abstraction licences set out how much water can be abstracted and for what purpose (licensed abstractions). Licence holders may also be required to measure their abstractions and submit how much water has actually been abstracted (actual abstractions). ABSTAT does not to attempt to estimate unlicensed abstractions.  Abstraction Statistics (ABSTAT) provides details of licensed abstractions and estimates of actual abstractions on the basis of an agreed set of purpose categories and abstraction source types for each calendar year from 2000. It also supplies total number of licences issued for each purpose category.  Tables in general are supplied with regional breakdowns.  ABSTAT is updated each November. Abstracted quantities are measuredin megalitres per day (ML/day).  This data is also available on the [Defra website.](http://www.defra.gov.uk/statistics/environment/inland-water/iwfg12-abstrac/)  **Issues to Note**  1. If a request to release records of actual abstraction is received which cannot be satisfied by ABSTAT then reference will be made to the ‘[Policy Advice Note, Requests for information on abstracted volumes of water](http://intranet.ea.gov/static/documents/Policy/PAN2_abstracted_volumes.doc)’ and/ or further advice sought from [WR\_Systems\_Team](mailto:WR_Systems_Team@environment-agency.gov.uk).  2. On request information can be provided for the period from 1995 to 2010  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B2A171E9A-D87C-4379-9CF8-7A070A46D10A%7D>    **Update frequency**  Annual  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  MS Excel spreadsheet  **Special Conditions**  None  **Information Warning**  1. Please read through the summary note 'ABSTAT\_summary\_v10\_external version.pdf' before using ABSTAT (you will need Adobe Acrobat)  Double click on the document below    2. Under the Water Act 2003 abstraction of up to 20m3/day became exempt from the requirement to hold a licence from 1 April 2005. As a result over 22,000 licences were deregulated (mainly for agricultural or private water supply purposes).  3. Return requirements were changed from 01/04/2008 whereby licences that authorise under 100m3/day are no longer asked to submit records of abstraction to the Environment Agency. This may have had a minimal impact on some reported purposes e.g. agriculture, private water supply and other.  4. From 01/04/2008 return requirements were standardised across England & Wales and the majority of returns are now requested on financial years. To align previous reporting practices two return requests were made for 2008. One at the end of the period January 2008 to March 2008 and a second at the end of period April 2008 to March 2009. This may have had an effect on underestimating actuals whereby returns may have been received for only part of the calendar year.  5. Tables 3\_20 & 3\_21 do not include impoundment licences or transfer type licences. A licence may authorise abstraction from a single point for a single purpose in some instances a licence can authorise abstraction from multiple points and/or for multiple purposes. ABSTAT is a purpose driven report, so where a licence authorises abstraction for more than one purpose the licence is included in the count for each use category. This will result in an overestimation of the actual number of abstraction licences in force as reported by ABSTAT.  6. Spray irrigation is very sensitive to prevailing weather conditions.  7. The Electricity Supply category includes hydropower licences.  8. Table 3\_20: data labels corrected in ABSTAT2010 update to calendar year (from financial year in previous ABSTAT updates). Change applies from 2000 for 'number of licences in force' and from 2008 for 'number of new licences determined'. Table 3-21: data label corrected to calendar year in ABSTAT2010 update (from financial year in previous ABSTAT updates).  9. From 1 April 2011 EA Thames and EA Southern merged to form EA South East. The two regions are still shown separately as this is the basis of the WR charges scheme, this is reflected by the underlying reference information used to prepare ABSTAT.  10. ABSTAT is a purpose driven report, so where a licence authorises abstraction for more than one purpose the licence is included in the count for each use category. This will result in an overestimation of the actual number of abstraction licences in force as reported by ABSTAT.  11. Reference to financial year means 1 April to 31 March inclusive.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Worksheet 1: Version Control** | | | | |
| Version control | Version control record | **Y** | **Y** | **Y** |
| **Worksheet 2: Read me** | | | | |
| ABSTAT summary report | A summary guide to ABSTAT | **Y** | **Y** | **Y** |
| ABSTAT tables | List of tables | **Y** | **Y** | **Y** |
| General notes | General notes concerning the data | **Y** | **Y** | **Y** |
| **Worksheet 3: Table 3.20 Abstraction licences in force and new licences.** The number of abstraction licences in force and new licences determined, by Environment Agency region and England & Wales. | | | | |
| Region | Environment Agency region and England & Wales | **Y** | **Y** | **Y** |
| Number of licences in force | Number of abstraction licences in force for each Environment Agency region and England & Wales. This table reports on calendar year. | **Y** | **Y** | **Y** |
| Number of new licences | Number of new licences determined for each Environment Agency region and England & Wales. From 2000 to 2008 the data reports on financial year and from 2008 onwards the data reports on calendar year. | **Y** | **Y** | **Y** |
| **Worksheet 4: Table 3.21 Number of abstraction licences in force by purpose for most recent year available.** The number of abstraction licences in force by purpose, by Environment Agency region and England & Wales. This table reports on calendar year. Previous years are approved, but only available on request. | | | | |
| Region | Environment Agency region and England & Wales | **Y** | **Y** | **Y** |
| Public Water supply | Number of abstraction licences for public water supply | **Y** | **Y** | **Y** |
| Spray Irrigation | Number of abstraction licences for spray irrigation | **Y** | **Y** | **Y** |
| Agriculture (excl. spray irrigation) | Number of abstraction licences for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Electricity supply industry | Number of abstraction licences for electricity supply industry (including hydropower schemes) | **Y** | **Y** | **Y** |
| Other industry | Number of abstraction licences for other industry, e.g. brewing | **Y** | **Y** | **Y** |
| Fish farming, cress growing and amenity ponds. | Number of abstraction licences for fish farming, cress growing and amenity ponds | **Y** | **Y** | **Y** |
| Private Water supply | Number of abstraction licences for private water supply | **Y** | **Y** | **Y** |
| Other | Number of abstraction licences for other non-industry purposes, e.g. environmental protection purpose such as creating a habitat for wildlife. | **Y** | **Y** | **Y** |
| Total | Total number of abstraction licences for all purposes listed | **Y** | **Y** | **Y** |
| **Worksheet 5: Table 3.22 Estimated licensed and actual abstractions from all surface and groundwater sources by purpose.** The data is for England and Wales andreports on calendar year. | | | | |
| Public Water supply | Actual abstractions (ML/day) for public water supply | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) for public water supply | **Y** | **Y** | **Y** |
| Spray Irrigation | Actual abstractions (ML/day) for spray irrigation | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) for spray irrigation | **Y** | **Y** | **Y** |
| Agriculture (excl. spray irrigation) | Actual abstractions (ML/day) for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Electricity supply industry | Actual abstractions (ML/day) for electricity supply industry | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) for electricity supply industry | **Y** | **Y** | **Y** |
| Other industry | Actual abstractions (ML/day) for other industry | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) for other industry | **Y** | **Y** | **Y** |
| Fish farming, cress growing and amenity ponds | Actual abstractions (ML/day) for fish farming, cress growing, amenity ponds | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) fish farming, cress growing and amenity ponds | **Y** | **Y** | **Y** |
| Private Water supply | Actual abstractions (ML/day) for private water supply | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) for private water supply | **Y** | **Y** | **Y** |
| Other | Actual abstractions (ML/day) for other purposes | **Y** | **Y** | **Y** |
| Licensed abstractions (ML/day) for other purposes | **Y** | **Y** | **Y** |
| Total | Total actual abstractions (ML/day) for all purposes listed | **Y** | **Y** | **Y** |
| Total licensed abstractions (ML/day) for all purposes listed | **Y** | **Y** | **Y** |
| **Worksheet 6: Table 3.23a Estimated abstractions from all surface and groundwaters by purpose and Environment Agency region.** This table reports on calendar year. | | | | |
| Region | Environment Agency region | **Y** | **Y** | **Y** |
| Public Water supply | Estimated abstractions (ML/day) for public water supply | **Y** | **Y** | **Y** |
| Spray Irrigation | Estimated abstractions (ML/day) for spray Irrigation | **Y** | **Y** | **Y** |
| Agriculture (excl. spray irrigation) | Estimated abstractions (ML/day) for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Electricity supply industry | Estimated abstractions (ML/day) for electricity supply industry | **Y** | **Y** | **Y** |
| Other industry | Estimated abstractions (ML/day) for other industry | **Y** | **Y** | **Y** |
| Fish farming, cress growing and amenity ponds. | Estimated abstractions (ML/day) for fish farming, cress growing and amenity ponds. | **Y** | **Y** | **Y** |
| Private Water supply | Estimated abstractions (ML/day) for Private Water supply | **Y** | **Y** | **Y** |
| Other | Estimated abstractions (ML/day) for other purposes | **Y** | **Y** | **Y** |
| Total | Total estimated abstractions (ML/day) for all purposes listed | **Y** | **Y** | **Y** |
| **Worksheet 7: Table 3.23b Estimated abstractions from tidal waters by purpose and Environment Agency region.** This table reports on calendar year. | | | | |
| Region | Environment Agency region | **Y** | **Y** | **Y** |
| Public Water supply | Estimated abstractions (ML/day) for public water supply | **Y** | **Y** | **Y** |
| Spray Irrigation | Estimated abstractions (ML/day) for spray Irrigation | **Y** | **Y** | **Y** |
| Agriculture (excl. spray irrigation) | Estimated abstractions (ML/day) for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Electricity supply industry | Estimated abstractions (ML/day) for electricity supply industry | **Y** | **Y** | **Y** |
| Other industry | Estimated abstractions (ML/day) for other industry | **Y** | **Y** | **Y** |
| Fish farming, cress growing and amenity ponds. | Estimated abstractions (ML/day) for fish farming, cress growing and amenity ponds. | **Y** | **Y** | **Y** |
| Private Water supply | Estimated abstractions (ML/day) for Private Water supply | **Y** | **Y** | **Y** |
| Other | Estimated abstractions (ML/day) for other purposes | **Y** | **Y** | **Y** |
| Total | Total estimated abstractions (ML/day) for all purposes listed | **Y** | **Y** | **Y** |
| **Worksheet 8: Table 3.23c Estimated abstractions from non-tidal surface waters by purpose and Environment Agency region.** This table reports on calendar year. | | | | |
| Region | Environment Agency region | **Y** | **Y** | **Y** |
| Public Water supply | Estimated abstractions (ML/day) for public water supply | **Y** | **Y** | **Y** |
| Spray Irrigation | Estimated abstractions (ML/day) for spray Irrigation | **Y** | **Y** | **Y** |
| Agriculture (excl. spray irrigation) | Estimated abstractions (ML/day) for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Electricity supply industry | Estimated abstractions (ML/day) for electricity supply industry | **Y** | **Y** | **Y** |
| Other industry | Estimated abstractions (ML/day) for other industry | **Y** | **Y** | **Y** |
| Fish farming, cress growing and amenity ponds. | Estimated abstractions (ML/day) for fish farming, cress growing and amenity ponds. | **Y** | **Y** | **Y** |
| Private Water supply | Estimated abstractions (ML/day) for Private Water supply | **Y** | **Y** | **Y** |
| Other | Estimated abstractions (ML/day) for other purposes | **Y** | **Y** | **Y** |
| Total | Total estimated abstractions (ML/day) for all purposes listed | **Y** | **Y** | **Y** |
| **Worksheet 9: Table 3.23d Estimated abstractions from groundwaters by purpose and Environment Agency region.** This table reports on calendar year. | | | | |
| Region | Environment Agency region | **Y** | **Y** | **Y** |
| Public Water supply | Estimated abstractions (ML/day) for public water supply | **Y** | **Y** | **Y** |
| Spray Irrigation | Estimated abstractions (ML/day) for spray Irrigation | **Y** | **Y** | **Y** |
| Agriculture (excl. spray irrigation) | Estimated abstractions (ML/day) for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Electricity supply industry | Estimated abstractions (ML/day) for electricity supply industry | **Y** | **Y** | **Y** |
| Other industry | Estimated abstractions (ML/day) for other industry | **Y** | **Y** | **Y** |
| Fish farming, cress growing and amenity ponds. | Estimated abstractions (ML/day) for fish farming, cress growing and amenity ponds. | **Y** | **Y** | **Y** |
| Private Water supply | Estimated abstractions (ML/day) for Private Water supply | **Y** | **Y** | **Y** |
| Other | Estimated abstractions (ML/day) for other purposes | **Y** | **Y** | **Y** |
| Total | Total estimated abstractions (ML/day) for all purposes listed | **Y** | **Y** | **Y** |
| **Worksheet 10: Table 3.23e Estimated abstractions from all sources except tidal by purpose and Environment Agency region.** This table reports on calendar year. | | | | |
| Region | Environment Agency region | **Y** | **Y** | **Y** |
| Public Water supply | Estimated abstractions (ML/day) for public water supply | **Y** | **Y** | **Y** |
| Spray Irrigation | Estimated abstractions (ML/day) for spray Irrigation | **Y** | **Y** | **Y** |
| Agriculture (excl. spray irrigation) | Estimated abstractions (ML/day) for agriculture (excl. spray irrigation) | **Y** | **Y** | **Y** |
| Electricity supply industry | Estimated abstractions (ML/day) for electricity supply industry | **Y** | **Y** | **Y** |
| Other industry | Estimated abstractions (ML/day) for other industry | **Y** | **Y** | **Y** |
| Fish farming, cress growing and amenity ponds. | Estimated abstractions (ML/day) for fish farming, cress growing and amenity ponds. | **Y** | **Y** | **Y** |
| Private Water supply | Estimated abstractions (ML/day) for Private Water supply | **Y** | **Y** | **Y** |
| Other | Estimated abstractions (ML/day) for other purposes | **Y** | **Y** | **Y** |
| Total | Total estimated abstractions (ML/day) for all purposes listed | **Y** | **Y** | **Y** |

### Aquifer Designation Map (Bedrock Geology) (AfA125)

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| --- |
| **Description**  The Aquifer Designation Map (Bedrock Geology\*) Shapefile that shows aquifer designations for bedrock aquifers in England and Wales. The designations identify the potential of the geological strata to provide water that can be abstracted and have been defined through the assessment of the underlying geology. The designations are attributed directly to BGS 1:50K DiGMapGB-50 data. The aquifer designations are:   * **Principal Aquifers:** geology that exhibit high irregular and/or fracture permeability. They usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale; * **Secondary Aquifers A:** permeable strata capable of supporting water supplies at a local rather than strategic scale and in some cases forming an important source of base flow to rivers; * **Secondary Aquifer B:** predominantly lower permeability strata which may in part have the ability to store and yield limited amounts of groundwater by virtue of localised features such as fissures, thin permeable horizons and weathering; * **Secondary Undifferentiated:** In cases where it has not been possible to attribute either category A or B to a rock type; * **Unproductive Strata:** these are geological strata with low permeability that have negligible significance for water supply or river base flow.   \*Bedrock geology (formerly known as 'solid' geology by BGS) is a term used for the main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water. Geology less than 1.8 million years in age are referred to as Superficial Deposits.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={1FB1164A-D80C-4AE4-A41B-D1342F7B0E5E}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b1FB1164A-D80C-4AE4-A41B-D1342F7B0E5E%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  Available on DataShare for some user categories  **Format Supplied**  Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  PLACEMENT OF ANY PART OF THE BGS DIGITAL DATA ON THE INTERNET IS PROHIBITED. The only use allowed is the posting onto WIYBY as per the letter agreed with BGS 1st July, 2009 (see below).  **External release** of the GIS data is **only allowed** where in support of the EA’s Statutory Duty or Public Task or where supplied to a Public Body ensuring the conditions below are adhered to. Contractor Use is allowed under appropriate licence (please contact [DATAINFO](mailto:data.info@environment-agency.gov.uk) in either instance).   1. Information is licensed strictly for the Licensee’s own internal business use: 2. Licensee may only use the Information for non-commercial use; 3. The Information may not be resold or licensed on to any third party; 4. Any requests from third parties for re-use of the Information should be referred to the British Geological Survey. Where requests for information are made under the Environmental Information Regulations, the public authority who holds the data and receives the request must consult with the British Geological Survey before responding to the request; 5. Placing of the Information on the Licensee’s website is strictly prohibited.   **A hardcopy** and/or a **non-queryable** electronic format (e.g. appropriately secured .pdf document) from which it is not possible to: (i) reverse-engineer back to, or to decompile, the BGS digital data; and/or (ii) print or download the reproduced extracts independently from the document solely for the following purposes:   * To meet a public duty or task; and/or to fulfil a statutory requirement (this includes **FoI/EIR**); and/or * As part of academic or other non-commercial research. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid **(British Geological Survey)** | **N** | **N** | **N** |
| FID | Unique Identifier | **N** | **N** | **N** |
| LEX\_ROCK | Lexicon of Named Rock Units and Rock code abbreviated **(British Geological Survey)** | **N** | **N** | **N** |
| LEX | Lexicon of Named Rock Units code **(British Geological Survey)** | **N** | **N** | **N** |
| LEX\_D | Lexicon of Named Rock Unit Description **(British Geological Survey)** | **N** | **N** | **N** |
| ROCK\_D | Rock type code description **(British Geological Survey)** | **N** | **N** | **N** |
| ORIGINAL\_V | Original vulnerability code **(Environment Agency)** | **Y** | **Y** | **Y** |
| FINAL\_VULN | Final vulnerability code attributed and replace by Typology **(Environment Agency)** | **Y** | **Y** | **Y** |
| LEX\_th | Interim filed **(Environment Agency)** | **Y** | **Y** | **Y** |
| FinalDesig | Final designation before classification into typology. **(Environment Agency)** | **Y** | **Y** | **Y** |
| Typology | Aquifer designation: **(Environment Agency)**:   * Principal * Secondary (undifferentiated) * Secondary A * Secondary B * Unknown (lakes+landslip) * Unproductive | **Y** | **Y** | **Y** |

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### Aquifer Designation Map (Superficial Deposits) (AfA124)

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| --- |
| **Description**  The Aquifer Designation Map (Superficial) Deposits\* is a polygon Shapefile that shows aquifer designations for superficial aquifers in England and Wales. The designations identify the potential of the geological strata to provide water that can be abstracted and have been defined through the assessment of the underlying geology. The designations are attributed directly to BGS 1:50K DiGMapGB-50 data. The aquifer designations are:   * **Principal Aquifers:** geology that exhibit high irregular and/or fracture permeability. They usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale; * **Secondary Aquifers A:** permeable strata capable of supporting water supplies at a local rather than strategic scale and in some cases forming an important source of base flow to rivers; * **Secondary Aquifer B:** predominantly lower permeability strata which may in part have the ability to store and yield limited amounts of groundwater by virtue of localised features such as fissures, thin permeable horizons and weathering. * **Secondary Undifferentiated:** In cases where it has not been possible to attribute either category A or B to a rock type; * **Unproductive Strata:** These are geological strata with low permeability that have negligible significance for water supply or river base flow   \*Superficial deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present. They rest on older deposits or rocks referred to as Bedrock.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={EC4AF9B8-8542-482E-85B0-0417A5582574}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bEC4AF9B8-8542-482E-85B0-0417A5582574%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  Available on DataShare for some user categories  **Format Supplied**  Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  PLACEMENT OF ANY PART OF THE BGS DIGITAL DATA ON THE INTERNET IS PROHIBITED. The only use allowed is the posting onto WIYBY as per the letter agreed with BGS 1st July, 2009 (see below).  **External release** of the GIS data is **only allowed** where in support of the EA’s Statutory Duty or Public Task or where supplied to a Public Body ensuring the conditions below are adhered to. Contractor Use is allowed under appropriate licence (please contact [DATAINFO](mailto:data.info@environment-agency.gov.uk) in either instance).   1. Information is licensed strictly for the Licensee’s own internal business use: 2. Licensee may only use the Information for non-commercial use; 3. The Information may not be resold or licensed on to any third party; 4. Any requests from third parties for re-use of the Information should be referred to the British Geological Survey. Where requests for information are made under the Environmental Information Regulations, the public authority who holds the data and receives the request must consult with the British Geological Survey before responding to the request; 5. Placing of the Information on the Licensee’s website is strictly prohibited.   **A hardcopy** and/or a **non-queryable** electronic format (e.g. appropriately secured .pdf document) from which it is not possible to: (i) reverse-engineer back to, or to decompile, the BGS digital data; and/or (ii) print or download the reproduced extracts independently from the document solely for the following purposes:   * To meet a public duty or task; and/or to fulfil a statutory requirement (this includes **FoI/EIR**); and/or * As part of academic or other non-commercial research. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid **(British Geological Survey)** | **N** | **N** | **N** |
| FID | Unique Identifier | **N** | **N** | **N** |
| LEX\_ROCK | Lexicon of Named Rock Units and Rock code abbreviated **(British Geological Survey)** | **N** | **N** | **N** |
| LEX | Lexicon of Named Rock Units code **(British Geological Survey)** | **N** | **N** | **N** |
| LEX\_D | Lexicon of Named Rock Unit Description **(British Geological Survey)** | **N** | **N** | **N** |
| ROCK\_D | Rock type code description **(British Geological Survey)** | **N** | **N** | **N** |
| ORIGINAL\_V | Original vulnerability code **(Environment Agency)** | **Y** | **Y** | **Y** |
| FINAL\_VULN | Final vulnerability code attributed and replace by Typology **(Environment Agency)** | **Y** | **Y** | **Y** |
| LEX\_th | Interim filed **(Environment Agency)** | **Y** | **Y** | **Y** |
| FinalDesig | Final designation before classification into typology. **(Environment Agency)** | **Y** | **Y** | **Y** |
| Typology | Aquifer designation: **(Environment Agency)**:   * Principal * Secondary (undifferentiated) * Secondary A * Secondary B * Unknown (lakes+landslip) * Unproductive | **Y** | **Y** | **Y** |

### Catchment Abstraction Management Strategy Licensing Colours Cycle 1 (AfA419)

|  |
| --- |
| **Description**  The Catchment Abstraction Management Strategy (CAMS) licensing strategy Cycle 1 dataset comprises four colours to indicate if additional water may be available for consumptive abstraction (subject to assessment of local risks) for each Cycle 1 WFD river, lake and transitional water body catchment.  These colours are represented as numbers in the dataset and are as follows:   * Green (2) - Water available for licensing * Yellow (3 and 4) - Restricted water available for licensing * Red (5 and 6) - Water not available for licensing * Grey (1) - Heavily Modified Waterbodies (and /or discharge rich water bodies)   This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  This dataset uses WFD River waterbody catchments cycle 1 geometry. Water Resource Availability and Abstraction Reliability Cycle 2 is available under AfA445.    **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BB622287E-AD79-434E-BC0F-ECB946A6222A%7D>    **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ArcGIS  **Special Conditions**  None  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Primary key in geographical dataset | **Y** | **Y** | **Y** |
| SHAPE | Polygon | **N** | **N** | **N** |
| OBJECTID | Primary key in geographical dataset | **Y** | **Y** | **Y** |
| EA\_WB\_ID | This is a unique reference number of each water body. | **Y** | **Y** | **Y** |
| DSTREAM\_WB | This is a unique reference number of the water body that is downstream of the EA\_WB\_ID. | **Y** | **Y** | **Y** |
| TYPE\_IWB | Type of water body | **Y** | **Y** | **Y** |
| WBAREA\_M2 | Area of water body in M2 | **Y** | **Y** | **Y** |
| UPSAREA\_M2 | Upstream area draining into the water body in M2 | **Y** | **Y** | **Y** |
| OUTFLOWX | National grid reference for the outflow of this water body | **Y** | **Y** | **Y** |
| OUTFLOWY | National grid reference for the outflow of this water body | **Y** | **Y** | **Y** |
| NAME | Name of the water body | **Y** | **Y** | **Y** |
| CAMSCDSQ30 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q30. | **Y** | **Y** | **Y** |
| CAMSCDSQ50 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q50. | **Y** | **Y** | **Y** |
| CAMSCDSQ70 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q70. | **Y** | **Y** | **Y** |
| CAMSCDSQ95 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q95. | **Y** | **Y** | **Y** |

### Catchment Abstraction Management Strategy (CAMS) Reference boundaries (AfA182)

|  |
| --- |
| **Description**  The CAMS Abstraction Management Strategy Reference Boundaries are an external reference dataset giving an indication of where technical assessments have been undertaken.  CAMS helps to look at the balance between society, the economy and the environment. The technical assessment helps identify where water may be available for future use but also where water resource demands may be impacting the water balance. The CAMS boundaries should be used on a national (England and Wales) scale to show the geographical distribution of CAMS and are not suitable for detailed technical assessments.  **Issues to Note**  None.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={832D25A2-13E6-447B-BFCB-EB50EEA183E2}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b832D25A2-13E6-447B-BFCB-EB50EEA183E2%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Database Team  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  These boundaries should not be used for detailed technical assessment or identifying precisely which CAMS permits may fall into. The boundaries may be subject to change based on the Environment Agency's technical and catchment understanding.  Guidance  These data must be accompanied by an Information Warning since these are not the boundaries used to make internal assessments due to third party prior rights (see AfA009 Catchment Abstraction Management Strategy (CAMS) Technical Assessment Boundaries):  “These boundaries should not be used for detailed technical assessment or identifying precisely which CAMS permits may fall into. The boundaries may be subject to change based on the Environment Agency's technical and catchment understanding. These boundaries should not be used for detailed technical assessment or identifying precisely which CAMS permits may fall into. The boundaries may be subject to change based on the Environment Agency's technical and catchment understanding.” |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shape | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| Name | CAMS name | **Y** | **Y** | **Y** |
| Area | CAMS area (sq metres) | **Y** | **Y** | **Y** |
| Length | CAMS (parameter metres) | **Y** | **Y** | **Y** |

### Catchment Abstraction Management Strategy (CAMS) Technical Assessment boundaries (AfA009)

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| --- |
| **Description**  The CAMS technical assessment boundaries are used to define which water resource demands fall into each technical assessment. CAMS helps to look at the balance between society, the economy and the environment. The technical assessment helps identify where water may be available for future use but also where water resource demands may be impacting the water balance. The CAMS technical assessment boundaries should be used on a national (England and Wales) scale to show the geographical distribution of CAMS.  Note that the boundaries may differ from the commonly used England and Wales coast line to ensure that we capture all the water resource demands.  The boundaries are refined infrequently but may require small edits up until the end of 2011 following technical review by area staff.  **Issues to Note**  None.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={2DB2F4D1-4625-4F6D-8B93-1D73214FDE25}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b2DB2F4D1-4625-4F6D-8B93-1D73214FDE25%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Quarterly  **Third Party Prior Rights**  **Data Contact / Supply**  Database team  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  These data are not approved for access due to third party prior rights (CEH). AfA182 Catchment Abstraction Management Strategy (CAMS) Reference Boundaries are approved for access since this version does not include third party prior rights. Please note accompanying Information Warning. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shape | Geometry type = Polygon;  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| Name | CAMS name | **Y** | **Y** | **Y** |
| Area | CAMS area (sq metres) | **Y** | **Y** | **Y** |
| Length | CAMS (parameter metres) | **Y** | **Y** | **Y** |

### Environmental Flow Indicator Cycle 1 (AfA418)

|  |
| --- |
| **Description**  The Environmental Flow Indicator Cycle 1 dataset is used in the Catchment Abstraction Management process as part of the assessment to calculate water resource availability in rivers.  This indicator shows what we believe to be the minimum acceptable flow in rivers needed for a sustainable environment. We start with the natural flow and then define the percentage of natural flow that can be abstracted.  We use it to screen for hydrological support for the Good Ecological Status under the Water Framework Directive. We also screen new abstraction applications against it to see if there is water available.  This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  This dataset uses WFD River waterbody catchments cycle 1 geometry. Environmental Flow Indicator Cycle is also available under AfA444.  **Issues to Note**  In the Data Flow Map this is called REFS.  Various methods have been used to calculate these flows including the model Low Flows Enterprise.  In due course this dataset needs to comply with the naming standards.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B7859C119-365A-487C-A5DC-E32B5B25F869%7D>    **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ArcGIS  **Special Conditions**  S152 Special Condition when supplying Low Flows Enterprise derived Content.  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  Because of the WHS licence this dataset can be supplied only to the following:  1. Agency contractors;  2. Private individuals for reasonable non-commercial use;  3. Anyone where it is to explain an Agency decision;  4. Water industry bodies that have a WHS Low Flows Enterprise licence. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Primary Key | **Y** | **Y** | **Y** |
| SHAPE | Polygon | **N** | **N** | **N** |
| OBJECTID | Unique ID for polygon | **Y** | **Y** | **Y** |
| EA\_WB\_ID | This is a unique reference number of each Integrated Water Body. | **Y** | **Y** | **Y** |
| REFSQ30 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q30 (high flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |
| REFSQ50 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q50 (medium flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |
| REFSQ70 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q70 (medium to low flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |
| REFSQ95 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q95 (low flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |

### Environmental Flow Indicator Cycle 2 (AfA444)

|  |
| --- |
| **Description**  The Environmental Flow Indicator dataset is used in the Catchment Abstraction Management process as part of the assessment to calculate water resource availability in rivers.  This indicator shows what we believe to be the minimum acceptable flow in rivers needed for a sustainable environment. We start with the natural flow and then define the percentage of natural flow that can be abstracted.  We use it to screen for hydrological support for the Good Ecological Status under the Water Framework Directive. We also screen new abstraction applications against it to see if there is water available.  This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  This dataset uses WFD River waterbody catchments cycle 2 geometry. Environmental Flow Indicator Cycle 1 is also available under AfA418.  **Issues to Note**  In the Data Flow Map this is called REFS.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  TBC  **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ArcGIS  **Special Conditions**  S152 Special Condition when supplying Low Flows Enterprise derived Content.  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  Because of the WHS licence this dataset can be supplied only to the following:  1. Agency contractors;  2. Private individuals for reasonable non-commercial use;  3. Anyone where it is to explain an Agency decision;  4. Water industry bodies that have a WHS Low Flows Enterprise licence. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Primary Key | **Y** | **Y** | **Y** |
| SHAPE | Polygon | **Y** | **Y** | **Y** |
| OBJECTID | Unique ID for polygon | **Y** | **Y** | **Y** |
| EA\_WB\_ID | This is a unique reference number of each Integrated Water Body. | **Y** | **Y** | **Y** |
| REFSQ30 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q30 (high flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |
| REFSQ50 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q50 (medium flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |
| REFSQ70 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q70 (medium to low flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |
| REFSQ95 | This is also known as the Environmental Flow Indicator. It is the resultant flow once we have accounted for the needs of the environment. It is a percentage of natural flow at Q95 (low flows). The percentage is driven by the sensitivity of the river to abstraction. A more sensitive river would allow less abstraction to occur. | **N** | **N** | **N** |

### Groundwater Safeguard Zones (AfA247)

**Description**

Groundwater Safeguard Zones (SgZs) are established around public water supplies where additional pollution control measures are needed.

The Water Framework Directive requires that Drinking Water Protected Areas are identified (WFD Article 7.1) and that they are given the necessary protection (WFD Article 7.3) with the aim of avoiding deterioration in their quality in order to reduce the level of purification treatment required in the production of drinking water.

Groundwater Source Protection Zones (SPZs) show the risk of contamination from any activities that might cause pollution in the area surrounding a borehole, well or spring which is used to provide public drinking water supply. They are defined in areas of groundwater where there is a particular sensitivity to pollution risks due to the closeness of a drinking water source and how the groundwater flows. There are three zones, inner, outer and total catchment, which are defined as follows:

• Zone 1 : (Inner Protection Zone) - This zone is defined by a travel time of 50-days or less from any point within the zone at, or below, the water table. Additionally, the zone has as a minimum a 50 metre radius. It is based principally on biological decay criteria and is designed to protect against the transmission of toxic chemicals and water-borne disease.

• Zone 2 : (Outer Protection Zone) - This zone is defined by the 400-day travel time, but with a minimum radius of 250 or 500 metres depending on the size of the abstraction. The travel time is derived from consideration of the minimum time required to provide delay, dilution and attenuation of slowly degrading pollutants.

• Zone 3: (Total catchment) - This zone is defined as the total area needed to support the abstraction or discharge from the protected groundwater source.

SgZs are based on SPZs, usually the SPZ 2, and use additional assessment to identify areas, which may or may not coincide with the SPZ, where additional measures are required to ensure that abstraction waters meet Article 7.3 of the WFD. SgZs can be large or small depending on the problem and may not cover the whole of a catchment or sub-catchment.

AfA029 Source Protection Zones [Merged] is available.

**Issues to Note**

BGS retains the right to review this element of the permission after 12 months and that the EA reports to BGS at the end of that period all the organisations to whom the data has been licensed.

**AfA Category**

Not AfA (To be Assessed with Guidance)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={4DD32585-F97E-4C7E-8129-A8695852476D}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b4DD32585-F97E-4C7E-8129-A8695852476D%7d)

**Update frequency**

Ad hoc

**Supply frequency**

Ad hoc

**Third Party Prior Rights**

**Data Contact / Supply**

GIS data team (HO - Evidence - S&ES – DMMI)

**Format Supplied**

ESRI Shapefile

**Special Conditions**

None

**Information Warning**

None

**Guidance**

*For use in WIYBY*

• BGS will need to see a copy of the mapping as it will be released, before it goes live;

• The data cannot be viewed at a greater scale than 1:25 000;

• The topography that the data are displayed on will be no greater than 1:25 000 in scale (assuming that no satellite imagery or aerial photography will be used as a backdrop); and

• The data would only be available in view format, not download.

*Sharing the data*

Fixed format supply can be supplied for public tasks/duties or to meet our statutory requirement.

BGS will permit shapefile supply with restrictive use; see drafting instruction S151 in the Library of special provisions.

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| Safeguard Zone unique identifier | Sequential numbers e.g. GWSGZ0001 | **Y** | **Y** | **Y** |
| Comment | Comprises the name of the quality parameter for which the Safeguard Zone has been designated and additional information relating to that quality parameter. | **Y** | **Y** | **Y** |
| Contact details | Contact telephone number and name of the relevant Environment Agency area team for enquiries relating to the particular Safeguard Zone. | **Y** | **Y** | **Y** |
| SPZ\_NUMBER | Number related to the SPZ Classification which the groundwater safeguard zone is based on:  1. Inner Protection Zone;  2. Outer Protection Zone;  3. Total Catchment. | **Y** | **Y** | **Y** |
| SPZ\_CODE | Code number of the SPZ the Groundwater Safeguard Zone is based on. | **Y** | **Y** | **Y** |
| AREA\_NAME | Environment Agency area where the Groundwater Safeguard Zone is located. | **Y** | **Y** | **Y** |
| REG\_NAME | Environment Agency region where the Groundwater Safeguard Zone is located. | **Y** | **Y** | **Y** |
| AREA\_KM2 | Area in km2 of the Groundwater Safeguard Zone. | **Y** | **Y** | **Y** |

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### Hydropower Permits (AfA240)

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| **Description**  Permits issued for Hydropower Generation sites.  The Agency assesses and licences hydropower schemes for the water they abstract and to protect the local and wider environment; this may require issuing one or a combination of Abstraction, Impoundment and Transfer licences dependant on the scheme/site. This dataset details the permits issued for new, varied or renewed hydropower schemes.  A few, very specific turbine set-ups do not require a licence. These will not appear in this dataset.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={DBED41FD-429B-4436-B4DD-5E7591E6F7B7}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bDBED41FD-429B-4436-B4DD-5E7591E6F7B7%7d)  **Update frequency**  Daily  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  Data prior to 2009 is less reliable, and less complete.  Data on predicted power output is provided by the applicant and has not been checked by the Environment Agency; The Environment Agency does not hold information for actual power generated.  **Guidance**  Information Warning to be included |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Year** | Year in which permit was granted | **Y** | **Y** | **Y** |
| **Region** | Environment Agency Region in which site is situated | **Y** | **Y** | **Y** |
| **Lic No** | Licence number | **Y** | **Y** | **Y** |
| **Licence Type** | Abstraction, Impoundment or Transfer | **Y** | **Y** | **Y** |
| Sub Type | New, Variation, or Renewal | **Y** | **Y** | **Y** |
| **Date Valid** | Date valid application received | **Y** | **Y** | **Y** |
| **Applicant / Developer** | Licence Holder | **Y** | **Y** | **Y** |
| **Site Name** | Name of licensed hydropower site | **Y** | **Y** | **Y** |
| **Date Licensed** | Date licence granted | **Y** | **Y** | **Y** |
| **Expiry Date** | Date licence is due to expire (for time-limited licences) | **Y** | **Y** | **Y** |
| **Operational Years** | No of years licensed | **Y** | **Y** | **Y** |
| **Advertised** | Whether EA formally advertised the application (Y/N) | **Y** | **Y** | **Y** |
| **Grid Ref** | Grid reference of operating site | **Y** | **Y** | **Y** |
| **Intake Screen Size** | Grille spacing | **Y** | **Y** | **Y** |
| **Tail Race Screen Size** | Grille spacing | **Y** | **Y** | **Y** |
| **Turbine Type** | Type of turbine operating at site, where known. | **Y** | **Y** | **Y** |
| **Low/High Head** | Where know, LH indicates a drop of less than 5 metres, HH indicates a drop of 5 metres or more. | **Y** | **Y** | **Y** |
| **Flow m3/hr** | Licensed flow through turbine per hour. | **Y** | **Y** | **Y** |
| **Flow m3/day** | Licensed flow through turbine per day. | **Y** | **Y** | **Y** |
| **Flow m3/year** | Licensed flow through turbine per year. | **Y** | **Y** | **Y** |
| **kWh** | Predicted power output based on turbine, flow, head etc. Indicative figure provided by applicant. May not be accurate or complete. | **Y** | **Y** | **Y** |
| **kWh/year** | Predicted annual power output based on turbine, flow head etc by standard formulae. Indicative figure provided by applicant. May not be accurate or complete. | **Y** | **Y** | **Y** |
| New Fish Pass required? | Y/N - Whether a fish pass was required in the permit conditions. | **Y** | **Y** | **Y** |
| Commissioning Date | Date from which site was first operational, where available. | **Y** | **Y** | **Y** |

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### Impact of Groundwater Abstraction on River Flows spreadsheet tool (IGARF1 v.4) (AfA222)

**Description:**

Impact of Groundwater Abstraction on River Flows spreadsheet tool (IGARF1 v.4) and accompanying user manual enables the user to investigate the impact of groundwater abstraction on river flows by means of a variety of calculations. The spreadsheet makes several analytical solutions available to the user, covering simplified representations of a wide range of surface-water groundwater configurations. Data is presented in graphical format allowing the results to be represented easily. In summary, IGARF1 v.4 allows the user to:

• consider the impact of a groundwater abstraction on a single river;

• consider the impact of a no flow boundary on a single river system;

• compare the impact of a groundwater abstraction on each river in a two-river system;

• specify the relative positions of the river(s), boundary and well;

• consider continuous and periodic pumping regimes;

• design a pumping test;

• obtain drawdown predictions;

• obtain river flow depletion predictions in time and space;

• provide an audit trail for their model.

**Issues to Note**

End user agreement must not be used

This AfA form does not cover updates. Updates will require another AfA review

**AfA Category**

AfA (Publication Scheme & IfRR)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/document?id={AA240565-F102-4C12-B9DC-7B214F396EFE}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bAA240565-F102-4C12-B9DC-7B214F396EFE%7d&view=fullHtml)

**Update frequency**

No updates

**Supply frequency**

N/A

**Third Party Prior Rights**

**Data Contact / Supply**

**Format Supplied**

Spreadsheet tool = Excel; User manual = .pdf

**Special Conditions**

Special condition for software A2 to be used. The Special Condition should advise that the software cannot be modified, developed or adapted

**Information Warning**

None

**Guidance**

Software licence to be used

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| IGARF1 v.4 Excel spreadsheet | Spreadsheet tool for estimating impact of groundwater abstraction on river flows | **Y** | **Y** | **Y** |
| IGARF1 v.4 user manual | User manual to accompany IGARF1 v.4 spreadsheet tool | **Y** | **Y** | **Y** |

### MODFLOW (non/drying) wet/dry method (AfA239)

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| **Description**  MODFLOW is the U.S. Geological Survey modular finite-difference flow model, which is a computer code that solves the groundwater flow equation. The program is used by hydrogeologists to simulate the flow of groundwater through aquifers.1  ‘Traditional’ versions of MODFLOW have difficulty in dealing with situations where geological formations (as represented by model layers) are periodically wet and dry. This can arise because it is ‘real’, or as a consequence of the numerical techniques employed. This can lead to misleading results, which are a particular problem when comparing between model runs. The wet/dry model is a non-drying version of MODFLOW that has been written to reduce or remove these occurrences. This is essentially the same as that proposed by Doherty (2001)2, but extended to be more flexible and to include Variable Hydraulic Conductivity with Depth (VKD).  1 <http://en.wikipedia.org/wiki/MODFLOW>  2 Doherty, J. 2001, Improved Calculations for Dewatered Cells in MODFLOW. Groundwater 39 (6), pp863-869.  **Issues to Note**  (1) This is software and will need the appropriate special conditions for full use (i.e. standard and developer permission) that are generic to all software as well as the additional special conditions and information warning below.  (2) Agency to provide documentation to identify the modifications we have made to the original US software – take note of what USGS indicates in the Notice about how to highlight modifications.  3) We have to tell any licensee where to get a copy of the original software.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBC  **Update frequency**  Ad hoc  **Supply frequency**  One-off supply  **Third Party Prior Rights**  US Geological Survey  **Data Contact / Supply**  Groundwater Technical Projects Team (Anglian region)  **Format Supplied**  Source code or executable code  **Special Conditions**  See S75 in the Library of Special Provisions  **Information Warning**  See S75 in the Library of Special Provisions  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Wet/Dry Method | Altered version of Modflow that allows water levels to go below the base of a borehole without ‘drying out’ | **Y** | **Y** | **Y** |

### Natural Flows of Rivers Cycle 1 (AfA417)

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| **Description**  The Natural Flows of Rivers Cycle 1 dataset is an estimate of natural flows of rivers at different flow percentiles. A flow percentile is the flow we would expect to see in a river for that percentage of time. We would expect to see a flow at Q95 for more than 95% of the year. This dataset includes four flow percentiles. Q30, 50, 70 and 95. The natural flow is the flow we would expect in rivers if there were no abstractions, discharges or other human influences on the river.  This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  This dataset uses WFD River waterbody catchments cycle 1 geometry. Natural Flows Cycle 2 is also available under AfA443.  **Issues to Note**  Various methods have been used to calculate these flows including the model Low Flows Enterprise.  In due course this dataset needs to comply with the naming standards.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={2FF37FCA-231A-4FA4-9217-0ED7653C5054}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b2FF37FCA-231A-4FA4-9217-0ED7653C5054%7d)  **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ArcGIS  **Special Conditions**  S152 Special Condition when supplying Low Flows Enterprise derived Content.  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  Because of the WHS licence this dataset can be supplied only to the following:  1. Agency contractors;  2. Private individuals for reasonable non-commercial use;  3. Anyone where it is to explain an Agency decision;  4. Water industry bodies that have a WHS Low Flows Enterprise licence. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Primary Key | **Y** | **Y** | **Y** |
| SHAPE | Polygon | **N** | **N** | **N** |
| OBJECTID | Unique ID for polygon | **Y** | **Y** | **Y** |
| EA\_WB\_ID | This is a unique reference number of each Integrated Water Body. | **Y** | **Y** | **Y** |
| DSTREAM\_WB | This is a unique reference number of the Integrated Water Body that is downstream of the EA\_WB\_ID. | **Y** | **Y** | **Y** |
| TYPE\_IWB | Type of water body | **Y** | **Y** | **Y** |
| WBAREA\_M2 | Area of Integrated Water Body in M2 | **Y** | **Y** | **Y** |
| UPSAREA\_M2 | Upstream area draining into the Integrated Water Body in M2 | **Y** | **Y** | **Y** |
| OUTFLOWX | National grid reference X for the outflow of this Integrated Water Body | **Y** | **Y** | **Y** |
| OUTFLOWY | National grid reference Y for the outflow of this Integrated Water Body | **Y** | **Y** | **Y** |
| NAME | Name of the Integrated Water Body | **Y** | **Y** | **Y** |
| QMEANSUB | The mean natural flow of the Integrated Water Body in Mega litres/ day | **N** | **N** | **N** |
| QMEANUPS | The mean natural flow of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN30SUB | The natural flow at the flow percentile called Q30 for the Integrated Water Body in Mega litres/ day | **N** | **N** | **N** |
| QN30UPS | The natural flow at the flow percentile called Q30 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN50SUB | The natural flow at the flow percentile called Q50 for the Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN50UPS | The natural flow at the flow percentile called Q50 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN70SUB | The natural flow at the flow percentile called Q70 for the Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN70UPS | The natural flow at the flow percentile called Q70 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN95SUB | The natural flow at the flow percentile called Q95 for the Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN95UPS | The natural flow at the flow percentile called Q95 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |

### Natural Flows of Rivers Cycle 2 (AfA443)

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| **Description**  The Natural Flows of Rivers Cycle 2 dataset is an estimate of natural flows of rivers at different flow percentiles. A flow percentile is the flow we would expect to see in a river for that percentage of time. We would expect to see a flow at Q95 for more than 95% of the year. This dataset includes four flow percentiles. Q30, 50, 70 and 95. The natural flow is the flow we would expect in rivers if there were no abstractions, discharges or other human influences on the river.  This data is not raw, factual or measured. It is comprised of estimated or modelled results showing expected outcomes based on the data available to us.  This dataset uses WFD River waterbody catchments cycle 2 geometry. Natural Flows Cycle 1 is also available under AfA417.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  TBC  **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  ArcGIS  **Special Conditions**  S152 Special Condition when supplying Low Flows Enterprise derived Content.  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  Because of the WHS licence this dataset can be supplied only to the following:  1. Agency contractors;  2. Private individuals for reasonable non-commercial use;  3. Anyone where it is to explain an Agency decision;  4. Water industry bodies that have a WHS Low Flows Enterprise licence. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Primary Key | **Y** | **Y** | **Y** |
| SHAPE | Polygon | **Y** | **Y** | **Y** |
| OBJECTID | Unique ID for polygon | **Y** | **Y** | **Y** |
| EA\_WB\_ID | This is a unique reference number of each Integrated Water Body. | **Y** | **Y** | **Y** |
| DSTREAM\_WB | This is a unique reference number of the Integrated Water Body that is downstream of the EA\_WB\_ID. | **Y** | **Y** | **Y** |
| TYPE\_IWB | Type of water body | **Y** | **Y** | **Y** |
| WBAREA\_M2 | Area of Integrated Water Body in M2 | **Y** | **Y** | **Y** |
| UPSAREA\_M2 | Upstream area draining into the Integrated Water Body in M2 | **Y** | **Y** | **Y** |
| OUTFLOWX | National grid reference X for the outflow of this Integrated Water Body | **Y** | **Y** | **Y** |
| OUTFLOWY | National grid reference Y for the outflow of this Integrated Water Body | **Y** | **Y** | **Y** |
| NAME | Name of the Integrated Water Body | **Y** | **Y** | **Y** |
| QMEANSUB | The mean natural flow of the Integrated Water Body in Mega litres/ day | **N** | **N** | **N** |
| QMEANUPS | The mean natural flow of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN30SUB | The natural flow at the flow percentile called Q30 for the Integrated Water Body in Mega litres/ day | **N** | **N** | **N** |
| QN30UPS | The natural flow at the flow percentile called Q30 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN50SUB | The natural flow at the flow percentile called Q50 for the Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN50UPS | The natural flow at the flow percentile called Q50 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN70SUB | The natural flow at the flow percentile called Q70 for the Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN70UPS | The natural flow at the flow percentile called Q70 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN95SUB | The natural flow at the flow percentile called Q95 for the Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |
| QN95UPS | The natural flow at the flow percentile called Q95 of all the upstream Integrated Water Bodies flowing into this Integrated Water Body in Megalitres/ day | **N** | **N** | **N** |

### Nitrate Vulnerable Zones – Draft Boundaries 2011 (AfA169)

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| **Description**  This dataset is a shapefile showing existing Nitrate Vulnerable Zones and proposed new and changed zones. It was created in 2010 as a consultation layer. The pre-existing NVZ layers are not superseded by these draft boundaries, but will be superseded by agreed new NVZ layers scheduled for release in 2011.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={70B78525-68E9-4E14-90F0-41F727859AFF}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b70B78525-68E9-4E14-90F0-41F727859AFF%7d)  **Update frequency**  One off for consultation  **Supply frequency**  One off  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Shape file  **Special Conditions**  None  **Information Warning**  None  **Guidance**  We do not have permission to provide the CEH IP in this dataset externally. If this were to be gained, the full dataset would need to be reassessed by the AfA Panel. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Nitrate Vulnerable Zones (Soft Boundaries) for England** | | | | |
| Shape | Polygon | **N** | **N** | **N** |
| NVZ\_TYPE | Status of Nitrate Vulnerable Zone   * New * Existing * De-designate |  |  |  |
| NVZ\_2008 | * Surface Water * Groundwater * Eutrophic Water * Surface Water & Groundwater * Surface Water & Eutrophic Water * Groundwater & Eutrophic Water * Surface Water, Groundwater & Eutrophic Water * Null |  |  |  |
| NVZ\_2012 | Type of Nitrate Vulnerable Zone   * Surface Water * Groundwater * Eutrophic Water * Surface Water & Groundwater * Surface Water & Eutrophic Water * Groundwater & Eutrophic Water * Surface Water, Groundwater & Eutrophic Water * Null |  |  |  |
| POLYAREA |  |  |  |  |
| NVZ\_ID | Zone ID, Range of E001 – E2865 |  |  |  |
| **Nitrate Vulnerable Zones (Soft Boundaries) for Wales** | | | | |
| Shape | Polygon | **N** | **N** | **N** |
| NVZ\_TYPE | Status of Nitrate Vulnerable Zone   * New * Existing * De-designate |  |  |  |
| NVZ\_2008 | * Surface Water * Groundwater * Eutrophic Water * Surface Water & Groundwater * Surface Water & Eutrophic Water * Groundwater & Eutrophic Water * Surface Water, Groundwater & Eutrophic Water * Null |  |  |  |
| NVZ\_2012 | Type of Nitrate Vulnerable Zone   * Surface Water * Groundwater * Eutrophic Water * Surface Water & Groundwater * Surface Water & Eutrophic Water * Groundwater & Eutrophic Water * Surface Water, Groundwater & Eutrophic Water * Null |  |  |  |
| POLYAREA |  |  |  |  |
| NVZ\_ID | Zone ID, Range of W001 – W007 |  |  |  |

### Nitrate Vulnerable Zones (NVZ) – Eutrophic Waters (England) (AfA074)

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| **Description**  Eutrophication is defined in the Nitrates Directive[[19]](#footnote-19) as "the enrichment of water by nitrogen compounds, causing an accelerated growth of algae and higher forms of plant life to produce an undesirable disturbance to the balance of organisms present in the water and to the quality of the water concerned".  Waterbodies within England have been assessed for eutrophication applying an evidence based assessment analysing chemical and biological indicators. If the waterbody exceeds one or more of the indicators assessed, the waterbody and the land draining into the affected waters (the catchment), are designated as Nitrate Vulnerable Zones (NVZs) – Eutrophic Waters. NVZs are a conservation designation that mandate control of nitrates within defined boundaries. NVZs – Eutrophic Waters are already suffering the effects of nitrate pollution and as such require nitrate control to reverse the process rather than as a preventative measure.  The Nitrate Vulnerable Zones – Eutrophic Waters dataset display the geographical extent of the eutrophic NVZs, together with a reference linking the NVZ geometry to a document providing a summary of evidence on why each specific waterbody has been designated as eutrophic. Some eutrophic NVZs are made up of a number of eutrophic waters. In this case each eutrophic polygon will have a series of documented evidence, one for each failing waterbody. Environment Agency Eutrophic NVZs have been extracted attributed with a reference to the summary of evidence for each waterbody within the NVZ designated as eutrophic.  **Issues to Note**  These data have been produced for an initial consultation process. Final, definitive boundaries are available through Defra that may be more appropriate.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={332FC271-6549-4818-9E50-7431B3292F6B}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b332FC271-6549-4818-9E50-7431B3292F6B%7d&view=fullHtml)  **Update frequency**  Closed Dataset  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Refer to metadata record  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Eutrophic NVZ** | | | | |
| Name of NVZ | Name of NVZ. | **Y** | **Y** | **Y** |
| Type of NVZ in 2006 | Type of NVZ in 2006. | **Y** | **Y** | **Y** |
| Type of NVZ in 2002 | Type of NVZ in 2002. | **Y** | **Y** | **Y** |
| Reference | Reference link to Summary of Evidence documents. | **Y** | **Y** | **Y** |
| Candidate name | Name assigned to an individual waterbody. | **Y** | **Y** | **Y** |
| Area of designation | Information on waterbody’s spatial parameters:   * Region - Environment Agency Region * Area - Environment Agency Area within Region * Location - OS Grid Reference * Easting [of centroid] * Northing [of centroid] * Surface Area (ha) - Surface area of waterbody in hectares | **Y** | **Y** | **Y** |
| **Summary of Evidence** | | | | |
| Summary of main uses and designations: | Waterbody use and designations, defined as one or more of the following:   * Designated UWWTD (Urban Waste Water Treatment Directive) * Angling * Recreation and Tourism * Water contact sports * Amenity * Irrigation * Fish Farm * Industrial water supply | **Y** | **Y** | **Y** |
| Conservation status | Whether the waterbody is classified as a conservation site, e.g. Site of Special Scientific Interest (SSSI) | **Y** | **Y** | **Y** |
| Method indicators exceeded | Indicators that have exceeded the ecological disturbance threshold in classifying eutrophication. | **Y** | **Y** | **Y** |
| Chemical Data | Chemical indicators assessed, e.g. Nitrate. | **Y** | **Y** | **Y** |
| Biological/observational data | Biological/observational indicators assessed, e.g. Macrophytes [a classification of water plants that give an indication of water pollution], reported algal blooms.[[20]](#footnote-20) | **Y** | **Y** | **Y** |

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### Nitrate Vulnerable Zones (NVZ) – Groundwater Monitoring Network (AfA071)

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| --- |
| **Description**  The Nitrate Vulnerable Zones (NVZ) – Groundwater Monitoring Network dataset is relevant to the environmental protection of water quality. It contains an extract of monitoring points from the Environment Agency held Groundwater Quality Monitoring Network where sites have recorded diffuse agricultural nitrate pollution as defined by the Nitrates directive[[21]](#footnote-21). Groundwaters are defined within the Nitrates Directive as polluted if they contain or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l. As such NVZ – Groundwater Monitoring Network data has been used as one of the core datasets in identifying catchments that are deemed to be vulnerable to nitrates. Catchments vulnerable to nitrates are defined within the Nitrate Vulnerable Zones – Groundwaters (England), where monitoring sites with the highest recorded nitrate levels have been attributed.  Groundwater monitoring data are represented as a point, geographic data layer that shows the location of sites used to monitor groundwaters for nitrate levels with predicted values being determined through trend based statistical analysis. The Groundwater Quality Monitoring Network holds records from monitoring sites received from water companies, private business and the Environment Agency. It is of note that although the groundwater monitoring sites are recorded to a precision of 1 metre, the data has been adjusted to a precision of 1000 metres i.e. the last 2 coordinates are zero for a 6 digit grid reference.  **Issues to Note**  These data have been extracted from our monitoring network. Please contact [DATAINFO](mailto:../Documents%20and%20Settings/JMITCHELL08/Local%20Settings/JMITdata.info@environment-agency.gov.uk) if additional fields or extent is required  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={9CEB98AA-9EC6-4856-84B5-D4A878B3A17B}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b9CEB98AA-9EC6-4856-84B5-D4A878B3A17B%7d&view=fullHtml)  **Update frequency**  Closed Dataset  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Refer to metadata record  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Easting of Monitoring Point | Easting of Groundwater nitrate monitoring point [6 Digit Grid Reference]. | **Y** | **Y** | **Y** |
| Northing of Monitoring Point | Northing of Groundwater nitrate monitoring point [6 Digit Grid Reference]. | **Y** | **Y** | **Y** |
| Nitrate in 2005 in mg/l | Nitrate level in 2005. | **Y** | **Y** | **Y** |
| Nitrate in 2021 in mg/l | Statistically predicted nitrate level for the monitoring site in 2021. | **Y** | **Y** | **Y** |
| Trend Method Used | Statistical trend based analysis was used to predict nitrate level in 2021. | **Y** | **Y** | **Y** |

### Nitrate Vulnerable Zones (NVZ) – Groundwaters (England) (AfA072)

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| **Description**  The Nitrate Vulnerable Zones (NVZ) – Groundwaters (England) dataset is relevant to the environmental protection of water quality. It contains the geographical extent of groundwater Nitrate Vulnerable Zones and the core data required to identify that the groundwater is polluted by diffuse agricultural nitrate pollution as defined by the Nitrates directive[[22]](#footnote-22). Groundwaters are defined within the Nitrates Directive as polluted if they contain or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l. One of the core datasets used to identify whether the groundwater is polluted by agricultural nitrate pollution is taken from the Nitrate Vulnerable Zones – Groundwater Monitoring Network (England).  The geometry defines discrete polygons delineating groundwater catchments that are vulnerable to nitrate pollution. Groundwater NVZs have been attributed with Environment Agency held monitoring and agricultural leaching data. Monitored nitrate levels have been extracted from the Groundwater Quality Monitoring Network that holds records from monitoring sites received from water companies, private business and the Environment Agency. Those with the highest nitrate levels have been attributed to the Groundwater NVZs, with predicted values being determined through statistical analysis. Nitrate leaching levels have been determined through a land use modelling and assigned to the NVZs.  **Issues to Note**  These data have been produced for an initial consultation process. Final, definitive boundaries are available through Defra that may be more appropriate.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={1150AF20-9A5A-42ED-BA7A-09BB1626EBE0}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b1150AF20-9A5A-42ED-BA7A-09BB1626EBE0%7d&view=fullHtml)  **Update frequency**  Closed Dataset  **Supply frequency**  One-off  **Third Party Prior Rights**  **Data Contact / Supply**  Refer to metadata record  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  These data have been produced for an initial consultation process. Final, definitive boundaries are available through Defra that may be more appropriate.  **Guidance**  This has not been approved as prior rights are not entirely owned by the Environment Agency. Since the CEH Digital 1:50,000 river centre-lines have been used in delineating the boundaries of some NVZs, these data are only to be released with appropriate permission from CEH. This permission would need to be negotiated by our CEH account manager. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Polygon: The geometry delineates groundwaterbody catchments that are defined as vulnerable to nitrates. | **N** | **N** | **N** |
| Type of NVZ in 2006 | Type of NVZ. This is labelled as ‘Groundwater NVZ’ for features within this dataset. | **Y** | **Y** | **Y** |
| Name of NVZ | Name of NVZ catchment. | **Y** | **Y** | **Y** |
| EA Identification Number | Environment Agency catchment identifier. | **Y** | **Y** | **Y** |
| Highest Ag. Nitrate Leaching in NVZ | Highest average nitrate leaching level found in the NVZ catchment. A leaching model, based on land-use, was used to assign the catchment with the worst case value. | **Y** | **Y** | **Y** |
| Easting of Highest Nitrate in 2005 | Easting of highest nitrate level recorded at a monitoring site within a catchment in 2005. | **Y** | **Y** | **Y** |
| Northing of Highest Nitrate in 2005 | Northing of highest nitrate level recorded at a monitoring site within a catchment in 2004. | **Y** | **Y** | **Y** |
| Easting of Highest Nitrate in 2021 | Easting of predicted highest nitrate in NVZ catchment for 2021. | **Y** | **Y** | **Y** |
| Northing of Highest Nitrate in 2021 | Easting of predicted highest nitrate in NVZ catchment for 2021. | **Y** | **Y** | **Y** |
| Highest Monitored Nitrate in 2005 | Highest monitored nitrate in 2005 present within the NVZ. | **Y** | **Y** | **Y** |
| Highest Predicted Nitrate in 2021 | A statistically predicted nitrate level in 2021 for the site with the highest nitrate level in 2005. | **Y** | **Y** | **Y** |
| Number High Nitrate points in NVZ | Number of high number monitoring sites within NVZ. [Note: This total can be located outside (up to 2km) of an NVZ but is still representative of water quality within the NVZ due to the complexities of hydrogeology] | **Y** | **Y** | **Y** |
| Additional Evidence | Additional evidence in classifying the catchment as a NVZ. [Note: Evidence provided from an academic paper in the designation for 1 NVZ due to an absence of monitoring data]. | **Y** | **Y** | **Y** |

### 

### Nitrate Vulnerable Zones (NVZ) – Surface Waters (England) (AfA073)

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| --- |
| **Description**  The Nitrate Vulnerable Zones (NVZ) - Surface Waters (England) dataset is relevant to the environmental protection of water quality. It contains the geographical extent of surface water Nitrate Vulnerable Zones and the core monitoring and landuse modelling data required to identify that the surface water is polluted by diffuse agricultural nitrate pollution as defined by the Nitrates directive[[23]](#footnote-23). Surface waters are defined within the Nitrates Directive as polluted if they contain or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l.  The geometry defines discrete polygons delineating groundwater delineating surface water catchments that are vulnerable to nitrate pollution. Surface water NVZs have been attributed with Environment Agency held monitoring data and land-use model predictions of nitrate concentration. Surface water NVZs are also attributed with the location of the lowest draining point within each NVZ. Monitored nitrate levels have been extracted from the Surface Water Sampling Sites and/or land-use prediction models. Those with the highest nitrate levels have been attributed to the Surface water NVZs, with predicted values being determined through the worst case land-use predictive model or statistical trend analysis for monitoring stations.  **Issues to Note**  These data have been produced for an initial consultation process. Final, definitive boundaries are available through Defra that may be more appropriate.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={343B3CEF-ADF7-449D-BE04-6AD38259D8F7}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b343B3CEF-ADF7-449D-BE04-6AD38259D8F7%7d&view=fullHtml)  **Update frequency**  Closed Dataset  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Refer to metadata record  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Polygon: The geometry delineates surface waterbody catchments that are defined as vulnerable to nitrates. | **Y** | **Y** | **Y** |
| Type of NVZ in 2006 | Type of NVZ. This is labelled as SW (Surface Water) for features within this dataset. | **Y** | **Y** | **Y** |
| Id. of Lowest Catchment | Identifier of the catchment with the lowest draining point | **Y** | **Y** | **Y** |
| Easting of Highest Nitrate in 2004 | Easting of highest nitrate level recorded at a monitoring site within a catchment in 2004. | **Y** | **Y** | **Y** |
| Northing of Highest Nitrate in 2004 | Northing of highest nitrate level recorded at a monitoring site within a catchment in 2004. | **Y** | **Y** | **Y** |
| Type of Catchment (1 or 2) | Type of catchment code:   1. Those benefiting from both water quality monitoring data and land-use model predictions of 95%ile nitrate concentration; 2. Those with a land-use model based prediction of 95%ile nitrate concentration, but lacking direct, site-specific monitoring observations. | **Y** | **Y** | **Y** |
| Nitrate Monitored in 2004 mg/l | Highest, monitored nitrate level recorded within NVZ in 2004. | **Y** | **Y** | **Y** |
| Nitrate Predicted in 2010 mg/l | A statistically predicted nitrate level in 2010 for the site with the highest nitrate level in 2004. | **Y** | **Y** | **Y** |
| Nitrate Predicted by Model mg/l | Highest, predicted nitrate level determined from a land-use model for NVZ catchments. | **Y** | **Y** | **Y** |
| Confidence of Model Prediction | Level of confidence of modelled nitrate level, determined from 6 categories. | **Y** | **Y** | **Y** |
| Easting of Lowest Point | Easting of lowest drainage point. | **Y** | **Y** | **Y** |
| Northing of Lowest Point | Northing of lowest drainage point. | **Y** | **Y** | **Y** |

### Non Mains Drainage Groundwaters Consultation Areas (AfA048)

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| **Description**  The Environment Agency recommends that Local Planning authorities consult them regarding the discharge of foul drainage from certain specified types of development linked to areas of highest risk.  These areas are currently identified as all of the published groundwater Source Protection Zone 1s and certain other 'Groundwater Consultation Areas'.  This dataset identifies the Groundwater Consultation Areas and is for use only in conjunction with the Environment Agency’s standing advice to Local Planning Authorities as a consultation filter to planning developments  **Issues to Note**  Third Party Prior Rights  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={ADBA2494-EE06-4E61-89A1-2E3B9356F3E4}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bADBA2494-EE06-4E61-89A1-2E3B9356F3E4%7d&view=fullHtml)  **Update frequency**  2-5 years  **Supply frequency**  2-5 years  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  Non Mains Drainage Groundwater Consultation Areas may be released:   * As a GIS dataset (under OS PGA “Statutory Use” and NERC CSLA clause 6.2.1 “Permitted Use” for BGS data) to Local Planning Authorities in conjunction with Environment Agency standing advice on planning developments involving non-mains drainage, under a Special Licence (Information, Non-Commercial).   The digital dataset is not available for re-use due to Prior Rights concerns. Any EIR/FoI requests for the digital dataset need to be individually assessed. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| GIS Geometry | | **N** | **N** | **N** |
| EAarea | e.g. Southern – Kent & East Sussex | **N** | **N** | **N** |
| Purpose | States: “Non mains drainage groundwater consultation areas” | **N** | **N** | **N** |
| Details | States: “Map showing local groundwater consultation areas for use only in conjunction with standing advice to Local Authorities as a consultation filter to planning developments involving non-mains drainage.” | **N** | **N** | **N** |

### Potential Sites of Hydropower Opportunity (AfA175)

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| --- |
| **Description**  These data show the location of opportunities for hydropower and the basic environmental sensitivity associated with exploiting them in England and Wales. A total of 25,935 ‘barriers’ are identified and assessed in this project. The term ‘barriers’ is used to describe sites with sufficient drop to provide a hydropower opportunity. They are mostly weirs, but could also be other man-made structures or natural features, such as waterfalls. The average maximum power generation capacity on a barrier was 45Kw, with a total potential capacity of 1178Mw.  Environmental sensitivities were assessed. This assessment considered the presence of fish species and whether the site has been designated as a Special Area of Conservation (SAC). Almost half (46%) of these barriers are classified as highly sensitive, mostly because of the presence of migratory fish species such as salmon and eel. 27% are medium and high sensitivity, and the remainder are unclassified due to a lack of data. When it is assumed that a new scheme has a fish pass built into it, the environmentally compatible opportunities increase considerably.  A filtered dataset is also available based on potential power output and environmental sensitivity (AfA206 ‘Potential Sites of Hydropower Opportunity - filtered’).  **Issues to Note**  Given the scale of the project and the data used, the results are not intended to replace any part of an individual site assessment. Instead, the dataset gives national and regional level overviews of the potential opportunities available, their locations, and their relative environmental sensitivity to exploitation.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={F56E6AA9-3798-49E4-AD7F-35A318090B40}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bF56E6AA9-3798-49E4-AD7F-35A318090B40%7d)  **Update frequency**  This is a stand alone dataset. No updates are planned.  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Shapefile  **Special Conditions**  None  **Information Warning**  “These data are intended to provide national and regional overviews of the potential hydropower opportunities available, their locations, and their relative environmental sensitivity to exploitation.  At site-level, there will be some error inherent in the results as the map uses a national GIS dataset that is based on various sources.  One-third of the sites where older ‘Synthetic Aperture RADAR (SAR) data was used for the height estimate include an error of up to one metre. The remaining two-thirds use ‘Light Detection and Ranging’ (LIDAR), which is accurate to 25cm. This means that the data for an individual site may be inaccurate, but at the national and regional level the error will be averaged out to an extent.  There is not a high level of confidence in the power generation calculation.  The power category takes account of this uncertainty.  These data are indicative only and are not intended to replace any part of an individual site assessment, which is necessary for a full scheme appraisal.”  **Guidance**  There is not a high level of confidence in site level information. The reliability of site level information has been questioned. All data licensed from these data should contain the Information as outlined below. Note attributes 37 – 42 cannot be licensed and are only available to respond under EIR as a fixed format (e.g. pdf). All supply of data should be accompanied by an  Information Warning. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Geometry type = Point  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| OBSTRUCTID | Obstruction unique identifier | **Y** | **Y** | **Y** |
| TEXTSTRING | Description of type of barrier e.g. Weir | **Y** | **Y** | **Y** |
| TOID | Topographic Identifier | **Y** | **Y** | **Y** |
| FEATURE | Feature type | **Y** | **Y** | **Y** |
| TYPE | Barrier type | **Y** | **Y** | **Y** |
| DRN\_ID | Detailed River Network identifier | **Y** | **Y** | **Y** |
| HEADSTAT | River Head status code | **Y** | **Y** | **Y** |
| USELEV | Upstream elevation | **Y** | **Y** | **Y** |
| DSELEV | Downstream elevation | **Y** | **Y** | **Y** |
| Z | Head from barriers height (USELEV, DSELEV) | **Y** | **Y** | **Y** |
| P\_US\_Z | Upstream point height from LIDAR or SAR | **Y** | **Y** | **Y** |
| P\_DS\_Z | Downstream point height from LIDAR or SAR | **Y** | **Y** | **Y** |
| P\_HEAD | Head value calculated from P\_US\_Z and P\_DS\_Z | **Y** | **Y** | **Y** |
| P\_ZTYPE | Source of the height extraction (LIDAR or SAR) | **Y** | **Y** | **Y** |
| Obs\_height | Height at barrier from LIDAR or SAR | **Y** | **Y** | **Y** |
| Z\_MIN | Min height from within 5m of barrier | **Y** | **Y** | **Y** |
| Z\_MAX | Max height from within 5m of barrier | **Y** | **Y** | **Y** |
| CHANGED | If the min max is different from height at barrier | **Y** | **Y** | **Y** |
| DS\_Z\_Min | Downstream min height within 5m radius | **Y** | **Y** | **Y** |
| DS\_Z\_Max | Downstream max height within 5m radius | **Y** | **Y** | **Y** |
| US\_Z\_Min | Upsteam minimum height within 5m radius | **Y** | **Y** | **Y** |
| US\_Z\_Max | Upstream max height within 5m radius | **Y** | **Y** | **Y** |
| USDS\_Head | Head calculated from 5m radius extraction method (US\_Z\_Max - DS\_Z\_Min) | **Y** | **Y** | **Y** |
| Z\_Head | Head calculated from max and min height within 5m from barrier (Z\_MAX - Z\_MIN) | **Y** | **Y** | **Y** |
| 25m\_DS\_Min | Downstream min height within 5m radius using the 25m US/DS method | **Y** | **Y** | **Y** |
| 25m\_DS\_Max | Downstream maximum height within 5m radius using 25m US/DS Method | **Y** | **Y** | **Y** |
| 25m\_US\_Min | Upstream min height within 5m radius using 25m US/DS Method | **Y** | **Y** | **Y** |
| 25m\_US\_Max | Upstream maximum height within 5m radius using 25m US/DS Method | **Y** | **Y** | **Y** |
| 25m\_Head | Head calculated using the 25m US/DS Method (25m\_US\_Max - 25\_DS\_MIN) | **Y** | **Y** | **Y** |
| Flow\_Meth | Method used to calculate flow | **Y** | **Y** | **Y** |
| Qm | Mean flow (Qm) | **Y** | **N** | **N** |
| Q95 | Flow exceeded 95% of time (Q95) | **Y** | **N** | **N** |
| O\_Qm | Integrated Waterbody Outflow point Qm | **Y** | **N** | **N** |
| O\_Q95 | Integrated Waterbody Outflow Q95 | **Y** | **N** | **N** |
| Qmed | Qmed (the median annual maximum flood) Value closest to barrier | **Y** | **N** | **N** |
| O\_Qmed | Outflow Qmed Value closest to barrier | **Y** | **N** | **N** |
| Power | Calculated power | **Y** | **Y** | **Y** |
| Power\_Cat | Calculated Power category | **Y** | **Y** | **Y** |
| MaxHeight | Method used to calculate head at barrier | **Y** | **Y** | **Y** |
| MaxHead | Maximum head at barrier calculated from maximum height. | **Y** | **Y** | **Y** |
| Sens\_Cat | Environmental sensitivity category | **Y** | **Y** | **Y** |
| HMWB | Heavily Modified Waterbody Designation | **Y** | **Y** | **Y** |
| Region | Region in which the barrier is located | **Y** | **Y** | **Y** |
| L\_Authority | Local Authority in which the barrier is located | **Y** | **Y** | **Y** |
| Cmt\_50k | Catchment in which the barrier is located based on the 1:50,000 dataset | **Y** | **Y** | **Y** |
| X | X Coordinate of Barrier | **Y** | **Y** | **Y** |
| Y | Y Coordinate of Barrier | **Y** | **Y** | **Y** |

### Potential Sites of Hydropower Opportunity – Filtered (AfA206)

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| **Description**  These data show the location of hydropower opportunities that appear to have a lower risk of environmental sensitivity and a higher potential for power generation associated with exploiting them in England and Wales.  A filter has been applied to a total of 25,935 ‘barriers’ identifying a total of 4195 where environmental sensitivity appears to be low and potential power generation high. The term ‘barriers’ is used to describe sites with sufficient drop to provide a hydropower opportunity. They are mostly weirs, but could also be other man-made structures or natural features, such as waterfalls.  The filters applied are both:   * Within one of 2708 heavily modified water bodies. These are water bodies which have been identified as being at significant risk of failing to achieve good ecological status under the Water Framework Directive, because of modifications to their hydromorphological characteristics, resulting from past engineering works, including impounding works. * Medium to high power potential, which includes opportunities of greater than 10kW.   Be aware that this filtering is based only on these statistics and does not indicate that a hydropower opportunity is necessarily feasible at any given location.  Given the scale of the project and the data used, the results are not intended to replace any part of an individual site assessment. Instead, the dataset gives national and regional level overviews of the potential opportunities available, their locations, and their relative environmental sensitivity to exploitation.  The unfiltered dataset, ‘Potential Sites of Hydropower Opportunity’, is covered by AfA175.  **Issues to Note**  Given the scale of the project and the data used, the results are not intended to replace any part of an individual site assessment. Instead, the dataset gives national and regional level overviews of the potential opportunities available, their locations, and their relative environmental sensitivity to exploitation.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={7D418B4B-7B19-43D1-AF64-B4A5ACF8F8CD}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b7D418B4B-7B19-43D1-AF64-B4A5ACF8F8CD%7d)  **Update frequency**  This is a stand alone dataset. No updates are planned.  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Shapefile  **Special Conditions**  None  **Information Warning**  “These data are intended to provide national and regional overviews of the potential hydropower opportunities available, their locations, and their relative environmental sensitivity to exploitation.  At site-level, there will be some error inherent in the results as the map uses a national GIS dataset that is based on various sources.  One-third of the sites where older ‘Synthetic Aperture RADAR (SAR) data was used for the height estimate include an error of up to one metre. The remaining two-thirds use ‘Light Detection and Ranging’ (LIDAR), which is accurate to 25cm. This means that the data for an individual site may be inaccurate, but at the national and regional level the error will be averaged out to an extent.  There is not a high level of confidence in the power generation calculation.  The power category takes account of this uncertainty.  These data are indicative only and are not intended to replace any part of an individual site assessment, which is necessary for a full scheme appraisal.”  **Guidance**  There is not a high level of confidence in site level information. The reliability of site level information has been questioned. All data licensed from these data should contain the Information as outlined below. Note attributes 37 – 42 cannot be licensed and are only available to respond under EIR as a fixed format (e.g. pdf). All supply of data should be accompanied by an  Information Warning. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Geometry type = Point  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| OBSTRUCTID | Obstruction unique identifier | **Y** | **Y** | **Y** |
| TEXTSTRING | Description of type of barrier e.g. Weir | **Y** | **Y** | **Y** |
| TOID | Topographic Identifier | **Y** | **Y** | **Y** |
| FEATURE | Feature type | **Y** | **Y** | **Y** |
| TYPE | Barrier type | **Y** | **Y** | **Y** |
| DRN\_ID | Detailed River Network identifier | **Y** | **Y** | **Y** |
| HEADSTAT | River Head status code | **Y** | **Y** | **Y** |
| USELEV | Upstream elevation | **Y** | **Y** | **Y** |
| DSELEV | Downstream elevation | **Y** | **Y** | **Y** |
| Z | Head from barriers height (USELEV, DSELEV) | **Y** | **Y** | **Y** |
| P\_US\_Z | Upstream point height from LIDAR or SAR | **Y** | **Y** | **Y** |
| P\_DS\_Z | Downstream point height from LIDAR or SAR | **Y** | **Y** | **Y** |
| P\_HEAD | Head value calculated from P\_US\_Z and P\_DS\_Z | **Y** | **Y** | **Y** |
| P\_ZTYPE | Source of the height extraction (LIDAR or SAR) | **Y** | **Y** | **Y** |
| Obs\_height | Height at barrier from LIDAR or SAR | **Y** | **Y** | **Y** |
| Z\_MIN | Min height from within 5m of barrier | **Y** | **Y** | **Y** |
| Z\_MAX | Max height from within 5m of barrier | **Y** | **Y** | **Y** |
| CHANGED | If the min max is different from height at barrier | **Y** | **Y** | **Y** |
| DS\_Z\_Min | Downstream min height within 5m radius | **Y** | **Y** | **Y** |
| DS\_Z\_Max | Downstream max height within 5m radius | **Y** | **Y** | **Y** |
| US\_Z\_Min | Upsteam minimum height within 5m radius | **Y** | **Y** | **Y** |
| US\_Z\_Max | Upstream max height within 5m radius | **Y** | **Y** | **Y** |
| USDS\_Head | Head calculated from 5m radius extraction method (US\_Z\_Max - DS\_Z\_Min) | **Y** | **Y** | **Y** |
| Z\_Head | Head calculated from max and min height within 5m from barrier (Z\_MAX - Z\_MIN) | **Y** | **Y** | **Y** |
| 25m\_DS\_Min | Downstream min height within 5m radius using the 25m US/DS method | **Y** | **Y** | **Y** |
| 25m\_DS\_Max | Downstream maximum height within 5m radius using 25m US/DS Method | **Y** | **Y** | **Y** |
| 25m\_US\_Min | Upstream min height within 5m radius using 25m US/DS Method | **Y** | **Y** | **Y** |
| 25m\_US\_Max | Upstream maximum height within 5m radius using 25m US/DS Method | **Y** | **Y** | **Y** |
| 25m\_Head | Head calculated using the 25m US/DS Method (25m\_US\_Max - 25\_DS\_MIN) | **Y** | **Y** | **Y** |
| Flow\_Meth | Method used to calculate flow | **Y** | **Y** | **Y** |
| Qm | Mean flow (Qm) | **Y** | **N** | **N** |
| Q95 | Flow exceeded 95% of time (Q95) | **Y** | **N** | **N** |
| O\_Qm | Integrated Waterbody Outflow point Qm | **Y** | **N** | **N** |
| O\_Q95 | Integrated Waterbody Outflow Q95 | **Y** | **N** | **N** |
| Qmed | Qmed (the median annual maximum flood) Value closest to barrier | **Y** | **N** | **N** |
| O\_Qmed | Outflow Qmed Value closest to barrier | **Y** | **N** | **N** |
| Power | Calculated power | **Y** | **Y** | **Y** |
| Power\_Cat | Calculated Power category | **Y** | **Y** | **Y** |
| MaxHeight | Method used to calculate head at barrier | **Y** | **Y** | **Y** |
| MaxHead | Maximum head at barrier calculated from maximum height. | **Y** | **Y** | **Y** |
| Sens\_Cat | Environmental sensitivity category | **Y** | **Y** | **Y** |
| HMWB | Heavily Modified Waterbody Designation | **Y** | **Y** | **Y** |
| Region | Region in which the barrier is located | **Y** | **Y** | **Y** |
| L\_Authority | Local Authority in which the barrier is located | **Y** | **Y** | **Y** |
| Cmt\_50k | Catchment in which the barrier is located based on the 1:50,000 dataset | **Y** | **Y** | **Y** |
| X | X Coordinate of Barrier | **Y** | **Y** | **Y** |
| Y | Y Coordinate of Barrier | **Y** | **Y** | **Y** |

### Source Protection Zones [Merged] (AfA029)

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| **Description**  **‘**Source Protection Zones (Merged)’ have been created as public facing boundaries where discrete groundwater bodies within Source Protection Zones (SPZ) have been dissolved on zone number where common boundaries and overlaps have been removed.  SPZs are defined around large and public potable groundwater abstraction sites. The purpose of SPZs is to provide additional protection to safeguard drinking water quality through constraining the proximity of an activity that may impact upon a drinking water abstraction. This is part of an initial screening process in assessing impacts to groundwater resources. Zones around location sites are defined by groundwater travel time to an abstraction. This is determined through applying Environment Agency groundwater flow models run at the location of abstractions, inputting parameters such as flow direction, geology type, rainfall and hydrological boundaries. SPZs provide a visual representation of the increased risks as you get closer to the abstraction. The following subdivisions are defined within SPZs:   * **Zone 1**: (Inner Protection Zone) - This zone is defined by a travel time of 50-days or less from any point within the zone at, or below, the water table. Additionally, the zone has as a minimum a 50-metre radius. It is based principally on biological decay criteria and is designed to protect against the transmission of toxic chemicals and water-borne disease. * **Zone 2**: (Outer Protection Zone) - This zone is defined by the 400-day travel time from a point below the water table. Additionally this zone has a minimum radius of 250 or 500 metres, depending on the size of the abstraction. The travel time is derived from consideration of the minimum time required to provide delay, dilution and attenuation of slowly degrading pollutants. * **Zone 3**: (Total catchment) - This zone is defined as the total area needed to support the abstraction or discharge from the protected groundwater source.   A further **Zone 4**, or ‘Zone of Special Interest’ was previously defined for some groundwater sources. These zones highlighted areas (mainly on non-aquifers) where known local conditions meant that potentially polluting activities could impact on a groundwater source even though the area is outside the normal catchment of that source. In future this zone will be incorporated into one of the other zones (1, 2 or 3), whichever is appropriate in the particular case.  **Issues to Note**  These data are external facing, SPZ [Individual] (AfA108) are for internal use.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B72D68C1C-9740-4E04-A040-B9A9198E8E11%7D>  **Update frequency**  Irregular  **Supply frequency**  Quarterly  **Third Party Prior Rights**  None  **Data Contact / Supply**  Data & Information Management  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  For external use – accounting for National Security. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Feature Identifier. | **Y** | **Y** | **Y** |
| NUMBER | Number that related to the SPZ Zone Classification:   * 1. Inner Protection Zone; * 2. Outer Protection Zone; and * 3. Total Catchment. | **Y** | **Y** | **Y** |

### Source Protection Zones (Individual) (AfA108)

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| --- |
| **Description**  **‘**Source Protection Zones (Individual)’ are intended for internal use only. These data contain all discrete groundwater bodies that form each Source Protection Zones (SPZ) subdivision.  SPZs are defined around large and public potable groundwater abstraction sites. The purpose of SPZs is to provide additional protection to safeguard drinking water quality through constraining the proximity of an activity that may impact upon a drinking water abstraction. This is part of an initial screening process in assessing impacts to groundwater resources. Zones defined around location sites are defined by groundwater travel time to an abstraction. This is determined through applying Environment Agency groundwater flow models run at the location of abstraction locations inputting parameters such as flow direction, geology type, rainfall and hydrological boundaries. SPZs provide a graphical representation of the increased risks as you get closer to the abstraction. The following subdivisions are defined within SPZs:   * **Zone I**: (Inner Protection Zone) - This zone is defined by a travel time of 50-days or less from any point within the zone at, or below, the water table. Additionally, the zone has as a minimum a 50-metre radius. It is based principally on biological decay criteria and is designed to protect against the transmission of toxic chemicals and water-borne disease * **Zone II**: (Outer Protection Zone) - This zone is defined by the 400-day travel time, or 25% of the source catchment area, whichever is larger. The travel time is derived from consideration of the minimum time required to provide delay, dilution and attenuation of slowly degrading pollutants. * **Zone III**: (Total catchment) - This zone is defined as the total area needed to support the abstraction or discharge from the protected groundwater source. * **Zone IV**: Zone of Special Interest - For some groundwater sources an additional "Zone of Special Interest" may be defined. These zones highlight areas (mainly on non-aquifers) where known local conditions mean that potentially polluting activities could impact on a groundwater source even though the area is outside the normal catchment of that source.   **Issues to Note**  N/A  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={DEF59D72-8303-4D9D-8EE2-BFF399AFB2BC}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bDEF59D72-8303-4D9D-8EE2-BFF399AFB2BC%7d)  **Update frequency**  N/A  **Supply frequency**  Quarterly  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  These data are for internal use only. The alternative Source Protection Zones data set Merged Source Protection Zones (AfA029) are to be disseminated externally. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| FID | Feature Identifier. | **N** | **N** | **N** |
| NAME | Name of SPZ. | **N** | **N** | **N** |
| NUMBER | Number that related to the SPZ Zone Classification:   * 1. Inner Protection Zone; * 2. Outer Protection Zone; * 3. Total Catchment; and * 4. Zone of Special Interest | **N** | **N** | **N** |
| CODE | SPZ identifier. | **N** | **N** | **N** |

### Water Abstractions (AfA135)

|  |
| --- |
| **Description**  The water abstractions dataset details all sites covered under the Water Act 2003 where all abstractions of 20 cubic metres or more require an abstraction licence.  The dataset consists of two tables:   * The first holds details of all live water abstraction licences in England and Wales. Expired, lapsed and revoked licences are excluded. * The second (supplementary) table holds details of maximum annual and maximum daily abstraction quantities. The quantities are the maximum permitted under the licence; they give an indication of the size of the abstraction. Some licences may include aggregating conditions or other conditions which restrict the abstraction; these are not included in the dataset.   **Issues to Note**  AfA135 does not cover records of actual abstraction. Please refer to the Policy Advice Note: requests for information on abstracted volumes of water which sets out the exemptions which need to be considered prior to release (link [here](http://intranet.ea.gov/static/documents/Policy/PAN2_abstracted_volumes.doc)).  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={846E22F5-60CC-4C9A-9D69-80174C3BF10C}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b846E22F5-60CC-4C9A-9D69-80174C3BF10C%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  S77 - supplying information that identifies the locations of public water supply abstraction sources  **Information Warning**  None  **Guidance**  These data can be licensed for release if there has been a request for it. If information concerning the location of public water supply abstraction sources is to be released you **must** issue a special licence and include condition S77 in schedule 4 of the special licence. This applies whether the request is commercial or non commercial, or from an EA contractor or co-deliverer. It also applies regardless of whether the information to be released is categorised as special content or standard content. Remember there is a minimum £50 charge for commercial use special licences; refer to the Special Licence Pricing document.  For further information please refer to QG1343\_12 (link [here](http://ams.ea.gov/ams_root/2012/1301_1350/1343_12.doc))  Any concerns regarding this requirement should be referred to DATAINFO for consideration by the Data Sharing and Access team. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Water Abstractions – Live Water Abstraction Licences** | | | | |
| Region | EA Region Name | **Y** | **Y** | **Y** |
| Area | Agency Area Code | **Y** | **Y** | **Y** |
| Area\_Name | Full name of the Agency Area | **Y** | **Y** | **Y** |
| Licence\_No | Unique number | **Y** | **Y** | **Y** |
| Prev\_Licence\_Number | Previous Licence Number | **Y** | **Y** | **Y** |
| Original\_Licence\_No | Original Licence Number | **Y** | **Y** | **Y** |
| Application\_no | Application number for the current (version of) licence | **Y** | **Y** | **Y** |
| Issue\_No | Issue number of the licence | **Y** | **Y** | **Y** |
| Increment\_No | Where any changes applied do not result in a new issue of the licence. | **Y** | **Y** | **Y** |
| Orig\_Effective\_Date | Date first licence document became effective | **Y** | **Y** | **Y** |
| Expiry\_Date | Date licence has expired (expected to expire) | **Y** | **Y** | **Y** |
| Version\_Start\_Date | Start date of this version of the licence | **Y** | **Y** | **Y** |
| Version\_End\_Date | Date this version expires | **Y** | **Y** | **Y** |
| Salutation | Salutation for licence holder | **Y** | **Y** | **Y** |
| Initials | Initials of licence holder | **Y** | **Y** | **Y** |
| Forename | Forename of licence holder (if individual) | **Y** | **Y** | **Y** |
| Name | Surname of licence holder, if an individual; licence holder’s full name if a company | **Y** | **Y** | **Y** |
| Line\_1 | First line of the licence holder’s address | **Y** | **Y** | **Y** |
| Line\_2 | Second line of the licence holder’s address | **Y** | **Y** | **Y** |
| Line\_3 | Third line of the licence holder’s address | **Y** | **Y** | **Y** |
| Line\_4 | Fourth line of the licence holder’s address | **Y** | **Y** | **Y** |
| Town | Town from the licence holder’s address | **Y** | **Y** | **Y** |
| Country | Country from the licence holder’s address | **Y** | **Y** | **Y** |
| Postcode | Licence holder’s postcode | **Y** | **Y** | **Y** |
| Primary\_Code | Code for primary purpose of abstracted water | **Y** | **Y** | **Y** |
| Secondary\_Code | Code for secondary purpose of abstracted water | **Y** | **Y** | **Y** |
| Use\_Code | Code for the use for which the water is authorised to be abstracted | **Y** | **Y** | **Y** |
| Primary\_Description | Text description of primary code | **Y** | **Y** | **Y** |
| Secondary\_Description | Text description of the use code | **Y** | **Y** | **Y** |
| Use\_Description | Text description of the use code | **Y** | **Y** | **Y** |
| Period\_Start | Start of authorised period of abstraction (day/month) | **Y** | **Y** | **Y** |
| Period\_End | End of authorised period of abstraction (day/month) | **Y** | **Y** | **Y** |
| Source\_of\_supply | Code for source of supply: surface water, groundwater, tidal water | **Y** | **Y** | **Y** |
| Point\_Name | Name of abstraction point | **Y** | **Y** | **Y** |
| Point\_Category | Code for abstraction point category | **Y** | **Y** | **Y** |
| NGR\_1 | For a single abstraction point (check guidance on how to provide) | **N** | **N** | **N** |
| NGR\_2 | For a river abstraction point (check guidance on how to provide) | **N** | **N** | **N** |
| NGR\_3 | 1, 2, 3 & 4 completed to outline an area from which water may be taken (check guidance on how to provide) | **N** | **N** | **N** |
| NGR\_4 | 1, 2, 3 & 4 completed to outline an area from which water may be taken (check guidance on how to provide) | **N** | **N** | **N** |
| Easting\_1\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| Northing\_1\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| Easting\_2\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| Northing\_2\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| Easting\_3\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| Northing\_3\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| Easting\_4\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| Northing\_4\_Cartesian | Cartesian equivalent (check guidance on how to provide) | **N** | **N** | **N** |
| **Water Abstractions – Abstraction Quantities** | | | | |
| Region | EA Region name | **Y** | **Y** | **Y** |
| Licence\_No | Licence\_No | **Y** | **Y** | **Y** |
| Max\_Annual\_QTY | Maximum Annual Quantity that can be abstracted under the Licence number | **Y** | **Y** | **Y** |
| Max\_Daily\_Qty | Maximum Daily Quantity that can be abstracted under the Licence number | **Y** | **Y** | **Y** |
| Purpose\_Points\_Descriptior | This field enables basic interpretation of maximum quantity fields in relation to purpose / points. The licence may be for one of the following:   * Single Point / Single Purpose * Single Point / Multiple Purposes * Multiple Points / Single Purposes * Multiple Points / Multiple Purposes | **Y** | **Y** | **Y** |
| Aggregated\_to\_other\_Lic | Flag indicating whether the quantities are aggregated to another licence | **Y** | **Y** | **Y** |

### 

### Water Company Boundaries (AfA165)

|  |
| --- |
| **Description**  The Water Company Boundaries is a polygon data layer that shows the company operating boundaries for England and Wales. These data have been merged together by the Environment Agency from the Water Resource Zones supplied by water companies when completing their Water Resource Management Plans.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={D329A40A-E700-4FD2-B795-F6A58E6E4B12}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bD329A40A-E700-4FD2-B795-F6A58E6E4B12%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes – Water Companies  **Data Contact / Supply**  **Format Supplied**  .pdf or JPEG  **Special Conditions**  None  **Information Warning**  None  **Guidance**  These data could be provided as a fixed image (e.g. .pdf, JPEG etc.) under an EIR/FoI request. The Water Companies own third part rights in the spatial layer – it is thought that UK Water hold these boundaries and it is recommended that Water UK are contacted if the spatial data layer is required. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| FIRST\_COMP | Full Water Company name | **N** | **N** | **N** |

### Water Resource Availability and Abstraction Reliability Cycle 2 (AfA445)

|  |
| --- |
| **Description**  TheWater Resource Availability and Abstraction Reliability Cycle 2 dataset indicates whether, and for what percentage of time, additional water may be available for consumptive abstraction (subject to assessment of local risks) for each Water Framework Directive Cycle 2 water body.  Each water body is colour coded as follows:   * Green - Water available for licensing * Yellow - Restricted water available for licensing * Red - Water not available for licensing * Grey - Heavily Modified Waterbodies (and /or discharge rich water bodies)   This data is not raw, factual or measured. It comprises of estimated or modelled results showing expected outcomes based on the data available to us.  **Issues to Note**  This dataset uses WFD River waterbody catchments cycle 2 geometry. Refer to AfA419 and AfA420 for the equivalent cycle 1 datasets.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**  Check DataShare  **Format Supplied**  ArcGIS  **Special Conditions**  None  **Information Warning**  S143 Drafting Instruction when supplying Content that includes estimated, or modelled data  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Primary key in geographical dataset | **Y** | **Y** | **Y** |
| SHAPE | Polygon | **Y** | **Y** | **Y** |
| OBJECTID | Primary key in geographical dataset | **Y** | **Y** | **Y** |
| EA\_WB\_ID | This is a unique reference number of each Water Body. | **Y** | **Y** | **Y** |
| DSTREAM\_WB | This is a unique reference number of the Water Body that is downstream of the EA\_WB\_ID. | **Y** | **Y** | **Y** |
| TYPE\_IWB | Type of water body | **Y** | **Y** | **Y** |
| WBAREA\_M2 | Area of Water Body in M2 | **Y** | **Y** | **Y** |
| UPSAREA\_M2 | Upstream area draining into the Water Body in M2 | **Y** | **Y** | **Y** |
| OUTFLOWX | National grid reference for the outflow of Water Body | **Y** | **Y** | **Y** |
| OUTFLOWY | National grid reference for the outflow of Water Body | **Y** | **Y** | **Y** |
| NAME | Name of the Water Body | **Y** | **Y** | **Y** |
| CAMSCDSQ30 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q30. | **Y** | **Y** | **Y** |
| CAMSCDSQ50 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q50. | **Y** | **Y** | **Y** |
| CAMSCDSQ70 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q70. | **Y** | **Y** | **Y** |
| CAMSCDSQ95 | CAMS resource availability colour based on the worst downstream water body CAMS resource availability colour at the flow percentile called Q95. | **Y** | **Y** | **Y** |
| RESAVAIL | What percentage of the time additional water may be available for consumptive abstraction (subject to assessment of local risks) for each water body.  There are 5 categories:  Less that 30% - water for consumptive abstraction is available for less that 30% of the time  At least 30% - water for consumptive abstraction is available at least 30% of the time  At least 50% - water for consumptive abstraction is available at least 50% of the time  At least 70% - water for consumptive abstraction is available at least 70% of the time  At least 95% - water for consumptive abstraction is available at least 95% of the time | **Y** | **Y** | **Y** |

### Water Resource Zones (AfA167)

|  |
| --- |
| **Description**  The Water Resource Zones are a polygon data layer provided by Water Companies showing the operating boundaries for Water Companies in England and Wales. These data have been supplied by water companies when completing their Water Resource Management Plans.  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={21CE15F4-C90A-4447-81CC-FE9F29A94090}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b21CE15F4-C90A-4447-81CC-FE9F29A94090%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes – Water Companies  **Data Contact / Supply**  **Format Supplied**  .pdf or JPEG  **Special Conditions**  None  **Information Warning**  None  **Guidance**  These data could be provided as a fixed image (e.g. .pdf, JPEG etc.) under an EIR/FoI request. The Water Companies own third part rights in the spatial layer – it is thought that UK Water hold these boundaries and it is recommended that Water UK are contacted if the spatial data layer is required. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| COMPANY NAME | Full Water Company name | **N** | **N** | **N** |
| RESOURCE NAME | Name of Water Resource Zone | **N** | **N** | **N** |

# WATER FRAMEWORK DIRECTIVE

### CAPTAIN Opportunistic Macroalgae WFD Classification Tool (AfA290)

**Description**

CAPTAIN Opportunistic Macroalgae Classification Tool measures the extent and biomass of opportunistic macroalgae in inter-tidal habitats. The Excel workbook is used to calculate the waterbody classification and the confidence in that classification. This is required by the Water Framework Directive (WFD).

This tool does not contain data. It requires the input of opportunistic macroalgae data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Software

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B04B11B3A-C09A-4A6D-90C6-7655AEDC7F81%7D>

**Update frequency**

Variable - Tool updates in line with WFD cycles.

**Supply frequency**

On request

**Third Party Prior Rights**

WRc logo

**Data Contact / Supply**

**Format Supplied**

Microsoft Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | CAPTAIN Opportunistic Macroalgae WFD Classification Tool | **Y** | **Y** | **Y** |

### Coastal Water Phytoplankton WFD Classification Tool (AfA300)

**Description**

The Coastal Water Phytoplankton Classification tool is an Excel workbook used to calculate the waterbody classification and the confidence in that classification. This is required for the Water Framework Directive (WFD).

This tool does not contain data. It requires input of coastal water phytoplankton data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Software

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BA7768DC2-0A54-483F-A66F-EDC41B48FBA0%7D>

**Update frequency**

Variable - Tool updates in line with WFD cycles.

**Supply frequency**

On request

**Third Party Prior Rights**

WRc logo

**Data Contact / Supply**

**Format Supplied**

Microsoft Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | Coastal Water Phytoplankton WFD Classification Tool | **Y** | **Y** | **Y** |

### CUTLASS Phytoplankton WFD Classification Tool (AfA299)

**Description**

CUTLASS Transitional Water (estuarine) Phytoplankton Classification Tool is an Excel workbook used to calculate the waterbody classification and the confidence in that classification. This is required for the Water Framework Directive (WFD).

This tool does not contain data. It requires input of transitional water (estuarine) phytoplankton data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Software

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B6CDD3724-F391-46CB-BAE9-3E64C0FB4A88%7D>

**Update frequency**

Variable - Tool updates in line with WFD cycles.

**Supply frequency**

On request

**Third Party Prior Rights**

WRc logo

**Data Contact / Supply**

**Format Supplied**

Microsoft Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | CUTLASS Phytoplankton WFD classification tool | **Y** | **Y** | **Y** |

### Infaunal Quality Index Calculator (AfA265)

|  |
| --- |
| **Description**  This is a series of Microsoft Access modules developed to assist the Environment Agency and other users to comply with their obligations under the Water Framework Directive (WFD). It can be used to:  • Collate and standardise marine biological and environmental data;  • Calculate biological indices for samples in database;  • Link biological and environmental samples and assign reference conditions to them;  • Calculate the Infaunal Quality Index for samples in a database. The Infaunal Quality Index is  a tool to assist in the classification of WFD Transitional and Coastal benthic infaunal  To use the calculator we suggest using the following:  • Marine biological and environmental data;  • Marine species list;  • The AZTI Marine Biotic Index (AMBI) marine species sensitivity list (provided by  TECNALIA’s AZTI centre, Spain), available for download from their website.  Reference conditions are periodically updated in line with WFD cycles.  **Issues to Note**  This package requires data to be used. This must be obtained separately.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  Not applicable  **Update frequency**  Ad hoc  **Supply frequency**  One-off  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Microsoft Access  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| MS Access modules | Microsoft Access Modules Infaunal Quality Index Calculator | **Y** | **Y** | **Y** |

### Infaunal Quality Index Classification Spreadsheet tool (AfA306)

|  |
| --- |
| **Description**  Infaunal Quality Index Classification is a Microsoft Excel workbook used to calculate the Ecological Quality Ratio and associated Confidence of Class for Water Framework Directive benthic invertebrate samples.  This tool does not contain data.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BA032FEF5-EC74-4E39-9EF6-EDC3D55F6A74%7D>    **Update frequency**  Tool updates in line with WFD cycles  **Supply frequency**  On request  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Microsoft Excel  **Special Conditions**  None  **Information Warning**  S150 Drafting instruction (AZTI acknowledgement) when supplying Infaunal Quality Index Classification Spreadsheet tool.  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Workbook | Infaunal Quality Index Classification Workbook v2.06 | **Y** | **Y** | **Y** |

### PIRATES Rocky Shores WFD Classification Tool (AfA289)

**Description**

PIRATES (Precision In Rocky Shores Analysed To Extract Statistics) is a Microsoft Excel workbook used to calculate the waterbody classification and the confidence in that classification. This is required for the Water Framework Directive (WFD).

This tool does not contain data. It requires the input of rocky shore macroalgal community composition data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Software

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BDDE1EE2E-4691-4983-B863-34A073B10353%7D>

**Update frequency**

Variable - Tool updates in line with WFD cycles.

**Supply frequency**

On request

**Third Party Prior Rights**

WRc logo

**Data Contact / Supply**

**Format Supplied**

Microsoft Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | PIRATES Rocky Shore WFD Classification Tool | **Y** | **Y** | **Y** |

### SAILOR Seagrass WFD Classification Tool (AfA308)

**Description**

SAILOR (Seagrass Assessment Incorporating Likelihood Of Risk) is a Microsoft Excel workbook used to calculate the mean Ecological Quality Ratio and associated Confidence of Class for the Water Framework Directive Transitional and Coastal Seagrass classification

This tool does not contain data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Software

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BC56A0D66-7946-463F-B6F8-CA85643ED6CF%7D>

**Update frequency**

Variable - Tool updates in line with WFD cycles.

**Supply frequency**

On request

**Third Party Prior Rights**

WRc logo

**Data Contact / Supply**

**Format Supplied**

Microsoft Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | SAILOR Seagrass WFD classification tool | **Y** | **Y** | **Y** |

### SKIPPER Saltmarsh WFD Classification Tool (AfA309)

**Description**

SKIPPER (Saltmarsh Key Indicators Processed Precisely and Estimated Robustly) is a Microsoft Excel workbook used to calculate the Ecological Quality Ratio and associated Confidence of Class for Water Framework Directive Saltmarshes. The tool quantifies and classifies the ecological health of saltmarsh habitats in transitional and coastal waters.

This tool does not contain data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Software

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BAF719BA9-C929-45B3-8804-E6C535EEC340%7D>

**Update frequency**

Variable - Tool updates in line with WFD cycles.

**Supply frequency**

On request

**Third Party Prior Rights**

WRc logo

**Data Contact / Supply**

**Format Supplied**

Microsoft Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | SKIPPER: Saltmarsh Key Indicators Processed Precisely and Estimated Robustly | **Y** | **Y** | **Y** |

### TREASURE Macroalgae WFD Classification Tool (AfA310)

**Description**

TREASURE (Transitional Ecological Assessment: Salinity Uncertainty Robustly Evaluated) is and Microsoft Excel workbook used to assess the ecological status of macroalgae in transitional waters. The tool is designed to detect the impact of toxic substances on the distribution of the fucoid macroalgal species.

This tool does not contain data.

**Issues to Note**

None

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Software

**Metadata link**

<http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BAC87AD7B-E30F-43E8-9135-6CDFF65CA3C1%7D>

**Update frequency**

Variable - Tool updates in line with WFD cycles.

**Supply frequency**

On request

**Third Party Prior Rights**

WRc logo

**Data Contact / Supply**

**Format Supplied**

Microsoft Excel

**Special Conditions**

None

**Information Warning**

None

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | TREASURE: Transitional Ecological Assessment: Salinity Uncertainty Robustly Evaluated | **Y** | **Y** | **Y** |

### WFD Catchment Management Information England:

### RBDs and Catchments Cycle 2 (AfA295)

### Water Bodies Cycle 2 (AfA296)

### Water Body Classifications Cycle 2 (AfA297)

### Water Body Outcomes (AfA298)

### Investigations (AfA430)

### Reasons for Failure (AfA318)

### Actions and Measures (AfA096)

|  |
| --- |
| **Description**  This dataset sets out the different units used for managing the Water Framework Directive (WFD), and basic information about water bodies, such as their classification and targets, but does not contain detailed information on their topography  Information for sites in Wales is included where the site crosses the border into England.  Detailed information on terminology and the WFD process is available in our supporting information on the Catchment Data Explorer website.  **RBDs and Catchments Cycle 2** (AfA295)  Lists of the River Basin Districts, ‘Management Catchments’ and ‘Operational Catchments’ we divide the country into, for the purposes of integrated catchment management and the WFD.  **Water Bodies Cycle 2** (AfA296)  A list of the water bodies that we further sub-divide the country into for the purposes of integrated catchment management and the WFD.  **Water Body Classifications Cycle 2** (AfA297)  WFD classifications for water bodies at various levels for various years  **Water Body Outcomes** (AfA298)  Our targets for water body classifications at various points in the future.  **Investigations** (AfA430)  Details of Investigations that establish if the classification result shows a valid problem within a water body and identify reasons for failure.  **Reasons for Failure** (AfA318)  Reasons for Failure identify the cause of less than good classifications (activity, source, sector). The cause is recorded using a defined set of reasons for failure.  **Actions and Measures** (AfA096)  Descriptions of remedial actions and measures being taken to improve the status of a waterbody and the associated costs.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  AfA295 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B6CF421BB-7AA1-4541-B87F-A9B8EA8A2699%7D>  AfA296 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BB8C74A6D-430B-4170-85EB-D6AD660E8A42%7D>  AfA297 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B25F65561-EF83-45F8-82CC-308FEADEC35C%7D>  AfA298 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BC2948179-6C40-4DAE-AD2F-F08605B88FB0%7D>  AfA430 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B83BEA1DE-9E54-4ADC-AD55-C84F72D5087C%7D>  AfA318 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B42E09EA9-6FEC-4F43-8490-2B0A27B11514%7D>  AfA096 <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B01E48D7F-2E2F-43CE-B485-4CB344F9896C%7D>  **Update frequency**  Ad Hoc  **Supply frequency**  Ad Hoc  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  Evidence- DMMI – Directives Reporting  **Format Supplied**  .csv  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **River Basin Districts Cycle 2 (AfA295)** | | | | |
| BOUNDARY\_ID | Reference number of River Basin District | **Y** | **Y** | **Y** |
| BY\_NAME | Name of River Basin District | **Y** | **Y** | **Y** |
| **River Management Catchments (AfA295)** | | | | |
| BOUNDARY\_ID | Reference number of Management Catchment | **Y** | **Y** | **Y** |
| BY\_NAME | Name of River Basin Catchment | **Y** | **Y** | **Y** |
| **River Operational Catchments (AfA295)** | | | | |
| BOUNDARY\_ID | Reference number of Operational Catchment | **Y** | **Y** | **Y** |
| BY\_NAME | Name of Operational Catchment | **Y** | **Y** | **Y** |
| **Wb (Waterbodies) (AfA296)** | | | | |
| WATERBODY\_ID | Waterbody ID (displayed ID). E.g. GB70410003 | **Y** | **Y** | **Y** |
| VERSION | The waterbody version | **Y** | **Y** | **Y** |
| PERIOD\_NAME | The name of the cycle to which this Waterbody is applicable (either cycle 1 or 2) | **Y** | **Y** | **Y** |
| LONGITUDE | East/West geographic coordinate for the waterbody | **Y** | **Y** | **Y** |
| LATITUDE | North/South geographic coordinate for the waterbody | **Y** | **Y** | **Y** |
| DATA\_SOURCE | The source of data (E.g. RIVER\_CAT, Master Rivers Dataset) | **Y** | **Y** | **Y** |
| SURVEILLANCE\_SITE\_INDICATOR | Yes/No | **Y** | **Y** | **Y** |
| DATE\_RETRIEVED | Date data was last updated on EA archive | **Y** | **Y** | **Y** |
| UP\_STREAM | Comma separated list of upstream Waterbodies. | **Y** | **Y** | **Y** |
| DOWN\_STREAM | Comma separated list of downstream Waterbodies. | **Y** | **Y** | **Y** |
| IMMEDIATE\_UPSTREAM | Comma separated list of immediately up stream Waterbodies. | **Y** | **Y** | **Y** |
| IMMEDIATE\_DOWN\_STREAM | Comma separated list of immediately downstream Waterbodies. | **Y** | **Y** | **Y** |
| CATCHMENT\_LENGTH | The length of the waterbody catchment | **Y** | **Y** | **Y** |
| WATERBODY\_NAME | The name of the waterbody | **Y** | **Y** | **Y** |
| TYPOLOGY | Typology of the waterbody (E.g. Principle, Unknown) | **Y** | **Y** | **Y** |
| ALKALINITY | The alkalinity of the waterbody (E.g. HighAlkalinity) | **Y** | **Y** | **Y** |
| LENGTH | Waterbody length | **Y** | **Y** | **Y** |
| AREA | Waterbody area | **Y** | **Y** | **Y** |
| EASTING | Easting coordinate of the waterbody | **Y** | **Y** | **Y** |
| NORTHING | Northing coordinate of the waterbody | **Y** | **Y** | **Y** |
| NGR | National grid reference | **Y** | **Y** | **Y** |
| AREANAME | The name of the Environment Agency area containing the waterbody (E.g. NE Yorkshire, MD East) | **Y** | **Y** | **Y** |
| COUNTRY | The country containing the waterbody (E.g. England, Wales) | **Y** | **Y** | **Y** |
| BB\_MAX\_X | Maximum X co-ordinate for the bounding box of the Waterbody on EasiMap | **Y** | **Y** | **Y** |
| BB\_MAX\_Y | Maximum Y co-ordinate for the bounding box of the Waterbody on EasiMap | **Y** | **Y** | **Y** |
| BB\_MIN\_X | Minimum X co-ordinate for the bounding box of the Waterbody on EasiMap | **Y** | **Y** | **Y** |
| BB\_MIN\_Y | Minimum Y co-ordinate for the bounding box of the Waterbody on EasiMap | **Y** | **Y** | **Y** |
| HMD\_UID | The unique database identifier for the Hydromorph designation | **Y** | **Y** | **Y** |
| HMD\_Name | Hydromorph Designation E.g. Artificial, Heavily Modified | **Y** | **Y** | **Y** |
| HMD\_OVERRIDE\_REASON | Reason where classification is overridden because waterbody is heavily modified from the natural state. | **Y** | **Y** | **Y** |
| WATERBODY\_ID | The displayed ID of the waterbody, as used in the XML upload | **Y** | **Y** | **Y** |
| WATERBODY\_VERSION | The waterbody version | **Y** | **Y** | **Y** |
| CAL\_YEAR | The calendar year associated with this classification | **Y** | **Y** | **Y** |
| CYCLE\_NAME | The name of the cycle associated with this classification (e.g. Cycle 1, Cycle 2) | **Y** | **Y** | **Y** |
| ROLLED\_FORWARD\_FROM\_YEAR | The calendar year that this classification has been rolled-forward from, if any | **Y** | **Y** | **Y** |
| Draft\_Status\_CID | Unique identifier indicating whether classifications for this year are in Draft or Final status | **Y** | **Y** | **Y** |
| DRAFT\_STATUS\_NAME | Text indicating whether classifications for this year are in Draft or Final status (e.g. Draft, Final) | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_NAME | [non-unique] Name of the item being classified (e.g. Fish) | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_SEPA\_ID | SEPA ID of the item being classified, if any (e.g. 1-3-4-2) | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_SEPA\_NAME | SEPA name of the item being classified, if any (e.g. Hydrology) | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_TYPE\_NAME | Text describing the type of the item being classified (e.g. Non-chemical, Chemical) | **Y** | **Y** | **Y** |
| CLASS\_LEVEL\_NAME | Text describing the level at which the item being classified sits (e.g. Element, Component) | **Y** | **Y** | **Y** |
| PARENT\_CLASS\_ITEM\_ExternalID | Unique identifier of the parent item of the item being classified, as would be used if it were included in the XML upload | **Y** | **Y** | **Y** |
| PARENT\_CLASS\_ITEM\_NAME | [non-unique] Name of the parent item of the item being classified E.g. Specific pollutants | **Y** | **Y** | **Y** |
| **The classification result (AfA297)** | | | | |
| CLASSIFICATION\_DISPLAY\_NAME | The displayed-name of this classification grade, appropriate of the associated classification item (e.g. Fail, Poor) | **Y** | **Y** | **Y** |
| CLASSIFICATION\_DISPLAY\_NAME\_SHORT | A short displayed name of this classification grade, appropriate for the associated classification item (e.g. DNRA) | **Y** | **Y** | **Y** |
| **Additional information about the classification** | | | | |
| CLASSIFICATION\_METHOD\_NAME | Text describing the method used to derive this result (e.g. Calculated, FCS2 Modelled) | **Y** | **Y** | **Y** |
| STATPOT\_NAME | Text describing Status vs. Potential condition (e.g. Status, Potential, N/A) | **Y** | **Y** | **Y** |
| DRIVER | Environmental Driver | **Y** | **Y** | **Y** |
| ELEM\_GOOD | Element is Good status | **Y** | **Y** | **Y** |
| ELEM\_LESS\_GOOD | Element is less than Good status | **Y** | **Y** | **Y** |
| DATA\_SOURCE | Where the data is held (e.g. WIMS, BIOSYS – EA system) | **Y** | **Y** | **Y** |
| DATE\_RETRIEVED | Date that data was retrieved from the database | **Y** | **Y** | **Y** |
| WOE\_USED | Weight of evidence method used to classify | **Y** | **Y** | **Y** |
| STATUS | classification status | **Y** | **Y** | **Y** |
| CERTAINTY\_NAME | Certainty values | **Y** | **Y** | **Y** |
| CERTAINTY\_LESS | Certainty values | **Y** | **Y** | **Y** |
| CERTAINTY\_LESS\_NAME | Certainty values | **Y** | **Y** | **Y** |
| CERTAINTY\_OVERIDE | Certainty values | **Y** | **Y** | **Y** |
| CERTAINTY\_OVERIDE\_NAME | Certainty values | **Y** | **Y** | **Y** |
| **Water Body Outcomes (AfA298)** | | | | |
| WATERBODY\_ID | The displayed ID of the waterbody | **Y** | **Y** | **Y** |
| WATERBODY\_VERSION | The waterbody version | **Y** | **Y** | **Y** |
| CYCLENAME | The name of the cycle associated with the PO Snapshot to which this item belongs (e.g. Cycle 1) | **Y** | **Y** | **Y** |
| CAL\_YEAR | Year for this PO / Objective (e.g. 2015) | **Y** | **Y** | **Y** |
| TYPE\_OF\_OUTCOME\_NAME | Text describing the type of outcome (e.g. Objective, Predicted) | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_ExternalID | Unique identifier of the classification item, as used in the XML upload | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_NAME | [non-unique] Name of the classification item (e.g. Fish) | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_SEPA\_NAME | SEPA name of the classification item, if any (e.g. Phytobenthos) | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_TYPE\_NAME | Text describing the type of the classification item (e.g. Non-chemical, Chemical) | **Y** | **Y** | **Y** |
| CLASS\_LEVEL\_NAME | Text describing the level at which the classification item sits (e.g. Element, Component) | **Y** | **Y** | **Y** |
| PARENT\_CLASS\_ITEM\_ExternalID | Unique identifier of the parent item of the classification item, as would be used if it were included in the XML upload | **Y** | **Y** | **Y** |
| PARENT\_CLASS\_ITEM\_NAME | [non-unique] Name of the parent item of the classification item (e.g. Specific pollutants) | **Y** | **Y** | **Y** |
| CLASSIFICATION\_ExternalID | Unique identifier of the PO / Objective grade, as used in the XML upload | **Y** | **Y** | **Y** |
| CLASSIFICATION\_DISPLAY\_NAME | The displayed-name of the PO / Objective classification grade, appropriate of the associated classification item (e.g. Fail vs. Poor, Supports Good) | **Y** | **Y** | **Y** |
| CLASSIFICATION\_DISPLAY\_NAME\_SHORT | A short displayed-name of the PO / Objective classification grade, appropriate of the associated classification item (e.g. Sup Good) | **Y** | **Y** | **Y** |
| POSTATUS\_NAME | Text describing the PO-Status of this PO / Objective (e.g. Seeded, Confirmed) | **Y** | **Y** | **Y** |
| STATPOT\_NAME | Text describing the Status vs. Potential state of this PO / Objective (e.g. Status, Potential) | **Y** | **Y** | **Y** |
| **Water body Investigations (AfA430)** | | | | |
| INVESTIGATION\_TYPE\_NAME | The name of the investigation type E.g. Stage 1 - Confirm failure | **Y** | **Y** | **Y** |
| OUTCOME\_NAME | The name of the outcome. At the time of writing, no examples were available. | **Y** | **Y** | **Y** |
| INVESTIGATION\_TITLE | The title of the investigation | **Y** | **Y** | **Y** |
| INVESTIGATION\_DESC | The description of the investigation | **Y** | **Y** | **Y** |
| PLANNED\_START\_DATE | The planned start date | **Y** | **Y** | **Y** |
| PLANNED\_END\_DATE | The planned end date | **Y** | **Y** | **Y** |
| ACTUAL\_START\_DATE | The actual start date | **Y** | **Y** | **Y** |
| ACTUAL\_END\_DATE | The actual end date | **Y** | **Y** | **Y** |
| INVESTIGATION\_STATUS\_NAME | The name of the investigation status E.g. Closed | **Y** | **Y** | **Y** |
| **Water body Reasons for failure (AfA318)** | | | | |
| WATERBODY\_ID | Waterbody ID (displayed ID). E.g. GB70410003 | **Y** | **Y** | **Y** |
| VERSION | The waterbody version | **Y** | **Y** | **Y** |
| PERIOD\_NAME | The name of the cycle related to the RFF (Reason for Failure) | **Y** | **Y** | **Y** |
| EARLIEST\_CLASSIFICATION\_YEAR | The earliest calendar year to which the RFF is related | **Y** | **Y** | **Y** |
| RFF\_TYPE | The RFF type E.g. RFF (Reason for Failure), RFD (Reason for Deterioration), RFR (Reason for Risk) | **Y** | **Y** | **Y** |
| CREATED\_DATE | The date the RFF was created | **Y** | **Y** | **Y** |
| RFF\_STATUS | The status of the RFF E.g. 0, 1 | **Y** | **Y** | **Y** |
| STATPOT\_NAME | Text describing the Status vs. Potential state of this record E.g. Status, Potential | **Y** | **Y** | **Y** |
| CLASSIFICATION\_NAME | The name of the classification element E.g. Moderate | **Y** | **Y** | **Y** |
| CLASS\_ITEM\_NAME | Name of the classification item associated with the RFF E.g. Dissolved oxygen | **Y** | **Y** | **Y** |
| PRESSURE\_NAME\_1 | The name of the first pressure associated with the RFF E.g. Nutrients | **Y** | **Y** | **Y** |
| PRESSURE\_NAME\_2 | The name of the second pressure associated with the RFF E.g. Phosphate | **Y** | **Y** | **Y** |
| SWMI\_NAME | The name of the SWMI (Significant Water Management Issue) E.g. Physical modification | **Y** | **Y** | **Y** |
| SWMI\_CERTAINTY\_NAME | The certainty of the SWMI E.g. Probable | **Y** | **Y** | **Y** |
| RFF\_ACTION\_UID | The ID of the RFF Action associated with the RFF | **Y** | **Y** | **Y** |
| RFF\_ACTION\_NAME | The Name of the RFF Action associated with the RFF | **Y** | **Y** | **Y** |
| ACTION\_CERTAINTY\_NAME | The certainty of the action E.g. Probable | **Y** | **Y** | **Y** |
| BUSINESS\_CATAEGORY\_NAME | The Business Category associated with the RFF E.g. Domestic/General public | **Y** | **Y** | **Y** |
| BUSINESS\_CATEGORY\_CERTAINTY\_NAME | The certainty of the business category that is associated with the RFF E.g. Suspected | **Y** | **Y** | **Y** |
| BUSINESS\_SECTOR\_NAME | The name of the sector E.g. Non coal mining | **Y** | **Y** | **Y** |
| TYPE\_1\_OUTCOME\_NAME | The name of the outcome for the type 1 investigation | **Y** | **Y** | **Y** |
| TYPE\_2\_OUTCOME\_NAME | The name of the outcome for the type 2 investigation | **Y** | **Y** | **Y** |
| TYPE\_3\_OUTCOME\_NAME | The name of the outcome for the type 3 investigation | **Y** | **Y** | **Y** |
| SOURCE\_APPORTIONMENT\_NAME | The name of the apportionment E.g. 20-40% | **Y** | **Y** | **Y** |
| SOURCE\_APPORTIONMENT\_TYPE\_NAME | The type of apportionment E.g. Percentage | **Y** | **Y** | **Y** |
| **Water body Actions (AfA096)** | | | | |
| EXTERNAL\_ACTION\_ID | An external identifier of this Action, as used in the XML upload | **Y** | **Y** | **Y** |
| ACTION\_TYPE\_NAME | Text describing the type of this Action (e.g. WAMA, WBLMA, Investigative) | **Y** | **Y** | **Y** |
| EXTERNAL\_INVESTIGATION\_ID | An external identifier of the Investigation associated with this Action, if any, as used in the XML upload | **Y** | **Y** | **Y** |
| TITLE | Text title for the Action | **Y** | **Y** | **Y** |
| DESCRIPTION | Text description for the Action | **Y** | **Y** | **Y** |
| PLANNED\_START\_DATE | Start date for the action | **Y** | **Y** | **Y** |
| PLANNED\_END\_DATE | Planned end date for action completion | **Y** | **Y** | **Y** |
| ACTUAL\_START\_DATE | Actual start date when action commenced | **Y** | **Y** | **Y** |
| ACTUAL\_END\_DATE |  | **Y** | **Y** | **Y** |
| OPERATIONAL\_DATE |  | **Y** | **Y** | **Y** |
| YEARS\_TO\_IMPLEMENT |  | **Y** | **Y** | **Y** |
| YEARS\_FROM\_IMPLEMENTATION\_TO\_IMPROVEMENT |  | **Y** | **Y** | **Y** |
| ASSET\_LIFE |  | **Y** | **Y** | **Y** |
| OWNER\_EA\_TEAM\_NAME | Name of the EA Team assigned to the Action (e.g. Fisheries and Biodiversity) | **Y** | **Y** | **Y** |
| LEAD\_ORGANISATION\_PARTY\_NAME | Name of the party that is the lead organisation assigned to the Action (e.g. Environment Agency, Natural Resources Wales, Thames Water) | **Y** | **Y** | **Y** |
| ACTION\_STATUS\_NAME | Text describing the status of this Action (e.g. Started, Rejected not affordable) | **Y** | **Y** | **Y** |
| ACTION\_MEASURE\_PATHWAY\_NAME | Text describing the position of the Action Status on the "pathway to good" (e.g. Best affordable, Best possible) | **Y** | **Y** | **Y** |
| ACTION\_AIM\_NAME | Text describing the aim of this Action (e.g. Within class, No deterioration) | **Y** | **Y** | **Y** |
| ACTION\_RESOURCE\_NAME | Text describing whether this Action is resourced (e.g. Resourced, Unresourced) | **Y** | **Y** | **Y** |
| ACTION\_EFFECT\_NAME | Text describing the type of effect this Action will have (e.g. Prevent deterioration, Improvement to GEP) | **Y** | **Y** | **Y** |
| ACTION\_EFFECT\_CONFIDENCE\_NAME | Text describing the confidence that the Action will achieve the stated effect (e.g. Very certain, Uncertain) | **Y** | **Y** | **Y** |
| ACTION\_DESIGNATION\_NAME | Text describing the ownership of the Action (e.g. Nationally owned, Regionally owned) | **Y** | **Y** | **Y** |
| ACTION\_DELIVERABILITY\_NAME | Text describing when the Action will be in place (e.g. Operational by 2021) | **Y** | **Y** | **Y** |
| PROJECT\_REFERENCE |  | **Y** | **Y** | **Y** |
| INV\_ACTION\_TYPE\_NAME | Text describing the Investigative Action type (e.g. Eel specific survey, Mine monitoring) | **Y** | **Y** | **Y** |
| **Water Body Measures (AfA096)** | | | | |
| CREATED\_DATE |  | **Y** | **Y** | **Y** |
| MEASURE\_STATUS\_NAME | Text describing the status of this Measure (e.g. In Place, Not Applicable) | **Y** | **Y** | **Y** |
| TIER\_CODE | Text containing the tier-code selected for this Measure (e.g. 1.2.3) | **Y** | **Y** | **Y** |
| MEASURE\_TIER1\_NAME | Text describing the tier-1 option select for this Measure. (e.g. To control or manage diffuse source inputs) | **Y** | **Y** | **Y** |
| MEASURE\_TIER2\_NAME | Text describing the tier-2 option select for this Measure. (e.g. Reduce diffuse pollution at source) | **Y** | **Y** | **Y** |
| MEASURE\_TIER3\_NAME | Text describing the tier-3 option select for this Measure (e.g. Managed realignment) | **Y** | **Y** | **Y** |

# WATER FRAMEWORK DIRECTIVE – CYCLE 1

### 

### WFD Artificial Waterbodies: Canals (AfA093)

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| **Description**  ‘WFD Artificial Waterbodies: Canals’ is a polyline Shapefile dataset containing Water Framework Directive (WFD) attributes that have been collated as defined for the implementation of the Water Framework Directive. As stated within Article 2.8 of the WFD ‘artificial water body’ is defined as a body of surface water created by human activity. Canals are therefore reported as a discrete, artificial waterbody dataset.  These data have been delineated primarily using geography digitised from Ordnance Survey Background mapping and the British Waterways Canal Network GIS layer. These two data sources were validated against one another to derive a final network containing only artificial canals and omitting canalised rivers. Additional canal sections were also included gleaned from either local knowledge by Regional Environment Agency staff.  Each waterbody has been assigned ‘EA\_WB\_ID’, which is a unique identifier that enables a link to WFD attributes.  **Issues to Note**  Data is posted on WIYBY as allowed by the PGA with OS.  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={9D88B7B0-9C8E-4289-8E89-FA337055E12F}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b9D88B7B0-9C8E-4289-8E89-FA337055E12F%7d)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polyline Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Attributes for WFD River Waterbodies have been approved within ‘WFD Reporting Database’, with it recommended that these data are sent if attributes contained in this dataset are requested.  Prior rights are owned by British Waterways and would require written permission for disclosure other than under compulsion of law or where requested by regulatory agencies. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polyline  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| ID | Number: Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |

### WFD Artificial Waterbodies: Surface Water Transfer Channels (AfA094)

|  |
| --- |
| **Description**  ‘WFD Artificial Waterbodies: Surface Water Transfer Channels’ is a polyline Shapefile dataset containing Water Framework Directive (WFD) attributes that have been collated as defined for the implementation of the Water Framework Directive. As stated within Article 2.8 of the WFD ‘artificial water body’ is defined as a body of surface water created by human activity. Surface channel transfers are defined as open surface channels that are often used to increase the effective catchment area of a reservoir and can sometime transfer waters between catchments.  Surface transfers have been extracted from the CEH 1:50K River Network. The CEH River Network was validated by the Environment Agency against OS 1:50,000 Scale Colour Raster where small, incomplete data gaps were identified and where additional surface waters were found additional digitisation was undertaken by Regional staff. It is also of note that man-made river cuttings were removed as these are classified as heavily modified water bodies.  Each waterbody has been assigned ‘EA\_WB\_ID’, which is a unique identifier that enables a link to WFD attributes.  **Issues to Note**  Data is posted on WIYBY as allowed by the PGA with OS. Prior rights are also owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY.  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={133E4115-513D-4850-A7D1-0F746ADC2FB4}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b133E4115-513D-4850-A7D1-0F746ADC2FB4%7d)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polyline Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Prior rights are owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY. Prior rights are also owned by OS and would require permission for disclosure. Data is posted on WIYBY as allowed by the PGA with OS. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polyline  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| ID | Number: Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| HYDRO\_STAT | Whether the waterbody is natural, artificial (e.g. canal), heavily modified etc. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |

### 

### WFD Coastal Waterbodies (AfA088)

|  |
| --- |
| **Description**  WFD Coastal Waterbodies’ is a polygon Shapefile dataset containing attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 7 of the WFD defines coastal waterbodies as ‘…a surface water on the landward side of a line, every point of which is at a distance of one nautical mile on the seaward side from the nearest point of the baseline from which the breadth of territorial waters is measured, extending where appropriate up to the outer limit of transitional waters’. Coastal waters were defined by territorial waters 1 nautical mile from the Mean High Water coastline taken directly from OS 1:50K MeridianTM 2. The delineation between coastal and estuarine waters was delineated by the Environment Agency defined transitional waterbodies. Waterbodies are also split and assigned to River Basin Districts.    Since waterbodies are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives.  This dataset covers the layer for Cycle 1 of the Water framework Directive. The equivalent layer for Cycle 2 is covered under AfA350.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Opendata  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={216BCA58-4BD0-451C-B44C-B06517B9CFA3}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b216BCA58-4BD0-451C-B44C-B06517B9CFA3%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. Exposed, Macrotidal. | **Y** | **Y** | **Y** |

### 

### WFD Coastal Waterbody Classification and Status Review (AfA085)

|  |
| --- |
| **Description**  The **‘**WFD Coastal Waterbody Classification and Status Review’ contains attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 7 of the WFD defines coastal waterbodies as ‘…a surface water on the landward side of a line, every point of which is at a distance of one nautical mile on the seaward side from the nearest point of the baseline from which the breadth of territorial waters is measured, extending where appropriate up to the outer limit of transitional waters’. Coastal waters were defined from Mean High Water. Waterbodies are split and assigned to River Basin Districts. The dataset contains attribution on the following:   * Physical characteristics – defined by the ‘Type’ of waterbody, determined through a combination of salinity, eco-region and tidal range; * Risk Status is where waterbodies have been assessed by ecological status identifying the following:   + Biological Elements;   + Hydromorphological elements supporting the biological elements;   + Chemical and physio-chemical elements supporting the biological elements;   + Specific pollutants (priority and other substances being discharged into the body of water). * Classification – such as whether the waterbody is in designated as a protected area; * Proposed objectives and outcomes for the waterbody, such as to attain good status by 2015.   Each waterbody has been assessed on an ‘EA\_WB\_ID’ basis, which is a unique identifier that enables a link to coastal waterbody geometry.  **Issues to Note**  This AfA has been reinstated from previously been categorised as obsolete AfA.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  **Update frequency**  N/A  **Supply frequency**  Annually  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| EA\_WB\_ID | The Unique identifier for each waterbody | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID) | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | Description of the waterbody's characteristics. (ID) | **Y** | **Y** | **Y** |
| TYPE\_DESC | Description of the waterbody's characteristics. E.g. Exposed, Macrotidal. | **Y** | **Y** | **Y** |
| HYDRO\_STAT | Whether the waterbody is natural, heavily modified etc. | **Y** | **Y** | **Y** |
| PA | Is the waterbody a protected area? | **Y** | **Y** | **Y** |
| PABW | Is the waterbody a Bathing Waters Directive protected area? | **Y** | **Y** | **Y** |
| PADW | Is the waterbody a Drinking Water Directive protected area? | **Y** | **Y** | **Y** |
| PANI | Is the waterbody Nitrates Directive protected area? | **Y** | **Y** | **Y** |
| PASW | Is the waterbody a Shell Fish Waters Directive protected area? | **Y** | **Y** | **Y** |
| PAUW | Is the waterbody an Urban Waste Water Directive protected area? | **Y** | **Y** | **Y** |
| PAWB | Is the waterbody a Wild Birds Directive protected area? | **Y** | **Y** | **Y** |
| PAHS | Is the waterbody Habitats and Species Directive protected area? | **Y** | **Y** | **Y** |
| RSKOV | The overall risk category for the waterbody. Made up of several risk categories of not achieving good ecological status. [as for most risk assessment data]:   * High Risk * Moderate Risk * Low Risk * No Risk * Not Assessed | **Y** | **Y** | **Y** |
| RSKPNT | Risk to Waterbody from point source pollution. | **Y** | **Y** | **Y** |
| DSD | Risk to Waterbody from dangerous substances. | **Y** | **Y** | **Y** |
| ORG | Risk to Waterbody from organic enrichment. | **Y** | **Y** | **Y** |
| PT\_SAN | Risk to waterbody form sanitary determinands. | **Y** | **Y** | **Y** |
| RSKDFF | Risk to Waterbody from diffuse source pollution. | **Y** | **Y** | **Y** |
| NUTS | Risk to Waterbody from nutrient nitrogen. | **Y** | **Y** | **Y** |
| TBT | Risk to Waterbody from Tributyltin (TBT). | **Y** | **Y** | **Y** |
| RSKPMOR | Risk to Waterbody from physical and morphological pressures. | **Y** | **Y** | **Y** |
| AGG | Risk to Waterbody from aggregate extraction. | **Y** | **Y** | **Y** |
| DREDG | Risk to Waterbody from dredging. | **Y** | **Y** | **Y** |
| FISH | Risk to Waterbody from fisheries. | **Y** | **Y** | **Y** |
| LAND | Risk to Waterbody from land claim. | **Y** | **Y** | **Y** |
| SHELL | Risk to Waterbody from shellfisheries. | **Y** | **Y** | **Y** |
| SHORELINE | Risk to Waterbody from shoreline structures. | **Y** | **Y** | **Y** |
| DISP | Risk to Waterbody from dredge spoils replacement. | **Y** | **Y** | **Y** |
| WEIR | Risk to Waterbody from weirs and sluices. | **Y** | **Y** | **Y** |
| RSKAL | Risk to Waterbody from alien species. | **Y** | **Y** | **Y** |
| ECO\_CLASS | Ecological classification status of the Waterbody [as with most status measurements]:   * High * Good * Moderate * Poor * Bad * Not Assessed | **Y** | **Y** | **Y** |
| STATPOT | Whether the waterbody ahs an ecological status or an ecological potential. | **Y** | **Y** | **Y** |
| ECO\_BIO | The overall biological status. | **Y** | **Y** | **Y** |
| EcoBio004 | Macro-algae and angiosperms status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio003 | Benthic Invertebrates status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio007 | Phytoplankton status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| ECO\_GEN | Overall General Physico-Chem status. | **Y** | **Y** | **Y** |
| EcoPhyG005 | Dissolved oxygen status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| EcoPhyG004 | Nitrogen status | **Y** | **Y** | **Y** |
| ECO\_HM | Overall hydromorphology status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| EcoHyd002 | Morphology status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| Annex8Chem | Overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS003 | 2, 4-dichlorophenol status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS004 | 2, 4-dichlorophenoxyacetic acid status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS008 | Arsenic status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS012 | Chlorine status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS016 | Copper status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS017 | Cyanide status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS019 | Cypermethrin status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS020 | Diazinon status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS022 | Dimethoate status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS024 | Iron status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS025 | Linuron status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS028 | Mecoprop status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS029 | Permethrin status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS030 | Phenol status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS032 | Toluene status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS037 | Zinc status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS038 | Ammonia status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| CHEM\_CLASS | Chemical classification status of the waterbody. | **Y** | **Y** | **Y** |
| CHEM\_PR | Overall priority substances class, | **Y** | **Y** | **Y** |
| ChemPrioN001 | Aldrin, Dieldrin, Endrin & Isodrin status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN002 | Carbon Tetrachloride status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN003 | DDT Total status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN004 | para - para DDT status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN005 | Tetrachloroethylene status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN006 | Trichloroethylene status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| CHEM\_PHZ | Overall priority hazardous substances class. | **Y** | **Y** | **Y** |
| ChemPrioH001 | 1, 2-dichloroethane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH003 | Anthracene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH004 | Atrazine status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH005 | Benzene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH006 | Benzo (a) and (k) fluoranthene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH007 | Benzo (ghi) perelyene and indeno (123-cd) pyrene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH008 | Benzo(a)pyrene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH009 | Cadmium And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH011 | Chlorfenvinphos status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH013 | Chlorpyrifos status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH014 | Di(2-ethylhexyl)phthalate status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH015 | Dichloromethane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH016 | Diuron status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH017 | Endosulfan status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH018 | Fluoranthene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH019 | Hexachlorobenzene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH020 | Hexachlorobutadiene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH021 | Hexachlorocyclohexane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH022 | Isoproturon status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH023 | Lead And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH024 | Mercury And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH025 | Napthalene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH026 | Nickel And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH027 | Nonylphenol status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH028 | Octylphenol status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH031 | Pentachlorobenzene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH032 | Pentachlorophenol status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH033 | Simazine status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH034 | Tributyltin Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH035 | Trichlorobenzenes status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH036 | Trichloromethane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH037 | Trifluralin status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ECOPRED15 | The ecological status the water body may reach by 2015, | **Y** | **Y** | **Y** |
| CHEMPRED15 | The chemical status the water body may reach by 2016, | **Y** | **Y** | **Y** |
| OVOBJ | The overall status objective for the waterbody. | **Y** | **Y** | **Y** |
| ECOOBJ | The ecological status objective for the waterbody. | **Y** | **Y** | **Y** |
| CHEMOBJ | The chemical status objective for the waterbody. | **Y** | **Y** | **Y** |
| ECOREASON | The reason why a waterbody doesn't have an ecological objective of good by 2015. | **Y** | **Y** | **Y** |
| CHEMREASON | The reason why a waterbody doesn't have a chemical objective of good by 2015. | **Y** | **Y** | **Y** |
| OVREASON | The reason why a waterbody doesn't have an objective of good by 2015. | **Y** | **Y** | **Y** |
| N\_MEAS | The number of actions that apply to this waterbody. | **Y** | **Y** | **Y** |

### WFD Groundwaterbodies (AfA090)

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| --- |
| **Description**  ‘WFD Groundwaterbodies’ is a polygon Shapefile dataset containing attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 2 of the WFD defines them as ‘…all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil’. For the purposes of reporting under the WFD a groundwater body represent a distinct body of groundwater flow with a coherent flow unit including recharge and discharge areas with little flow across the boundaries. These reflect hydrogeological characteristics containing information on flow and stage properties, recharge and vulnerability to pollution. This has been undertaken through defining aquifers into different types and broken into catchment units at Catchment Abstraction Management Strategy (CAMS) scale.  The primary input dataset is ‘1:625K Classified Aquifer Geology’ that has been constructed by the Environment Agency. This dataset has been digitised directly from the hard copy ‘1:250K Solid Geology Map’ and classified according to aquifer type and are therefore directly derived from the underlying BGS data. These classifications were verified by the British Geology Survey (BGS). These data have gone out for consultation at Area level and in some instances 1:50K Solid Geology has been used to define localised boundaries.  Since waterbodies are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives.  **Issues to Note**  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={ECC43A59-BE66-4906-913F-7B9E32A05B8A}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bECC43A59-BE66-4906-913F-7B9E32A05B8A%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polygon Shapefile  **Special Conditions**  Needed but not pre-drafted  **Information Warning**  None  **Guidance**  Attributes for WFD Groundwaterbodies have been approved within ‘WFD Reporting Database’; with it recommended that these data are sent if attributes contained in this dataset are requested. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |

### 

### WFD Groundwaterbody Classification and Status Review (AfA087)

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| **Description**  The **‘**WFD Groundwaterbody Classification and Status Review’ contains attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 2 of the WFD defines them as ‘…all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil’. The dataset contains attribution on the following:   * The pressures to which the groundwater body or bodies are liable to be subject including:   + diffuse sources of pollution;   + point sources of pollution;   + abstraction; and   + artificial recharge. * The general character of the overlying strata in the catchment area from which the groundwater body receives its recharge; * Those groundwater bodies for which there are directly dependent surface water ecosystems or terrestrial ecosystems; * Classification – such as whether the waterbody is in designated as a protected area; * Proposed objectives and outcomes for the waterbody, such as to attain good status by 2015.   Each waterbody has been assessed on an ‘EA\_WB\_ID’ basis, which is a unique identifier that enables a link to Groundwaterbody geometry.  **Issues to Note**  This AfA has been reinstated from previously been categorised as obsolete AfA.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  **Update frequency**  N/A  **Supply frequency**  Annually  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| PA | Is the waterbody a protected area? | **Y** | **Y** | **Y** |
| PADW | Is the waterbody a Drinking Water Directive protected area? | **Y** | **Y** | **Y** |
| PANI | Is the waterbody Nitrates Directive protected area? | **Y** | **Y** | **Y** |
| PAWB | Is the waterbody a Wild Birds Directive protected area? | **Y** | **Y** | **Y** |
| PAHS | Is the waterbody Habitats and Species Directive protected area? | **Y** | **Y** | **Y** |
| RSKOV | The overall risk category for the waterbody. Made up of several risk categories of not achieving good ecological status. [as for all risk assessment data]:   * High Risk * Moderate Risk * Low Risk * No Risk * Not Assessed | **Y** | **Y** | **Y** |
| RSKPNT | Risk to Waterbody from point source pollution. | **Y** | **Y** | **Y** |
| RSKDFF | Risk to Waterbody from diffuse source pollution. | **Y** | **Y** | **Y** |
| MINES | Risk to waterbody from Mines and mine waters. | **Y** | **Y** | **Y** |
| N | Risk to waterbody from Nutrient Nitrogen. | **Y** | **Y** | **Y** |
| PEST | Risk to waterbody from Pesticides. | **Y** | **Y** | **Y** |
| P | Risk to waterbody from Phosphate. | **Y** | **Y** | **Y** |
| TREND | Risk to waterbody from Upward Trend. | **Y** | **Y** | **Y** |
| URB | Risk to waterbody from Urbanisation. | **Y** | **Y** | **Y** |
| SOL | Risk to waterbody from Chlorinated solvents. | **Y** | **Y** | **Y** |
| PRIOR | Risk to waterbody from priority hazardous substances. | **Y** | **Y** | **Y** |
| GWDTE | Risk to groundwater dependent terrestrial ecosystems. | **Y** | **Y** | **Y** |
| DRWPA | Risk to drinking water protected area. | **Y** | **Y** | **Y** |
| SALIN | Risk to waterbody from saline intrusions. | **Y** | **Y** | **Y** |
| RSKWABFL | Risk to Waterbody from Water Abstraction and Flow pressures. | **Y** | **Y** | **Y** |
| SW\_IMP | Surface water impact risk. | **Y** | **Y** | **Y** |
| WBAL | Water balance risk. | **Y** | **Y** | **Y** |
| WABS\_ECO | Terrestrial ecosystems risk. | **Y** | **Y** | **Y** |
| WABS\_SALIN | Risk to Waterbody from abstraction related saline intrusions. | **Y** | **Y** | **Y** |
| UP\_TREND | Is there a trend of rising chemical pollution? | **Y** | **Y** | **Y** |
| CHEM\_CLASS | Overall Chemical classification status of the Waterbody:   * High * Good * Moderate * Poor * Bad * Not Assessed | **Y** | **Y** | **Y** |
| GWChem001 | General Chemical assessment status, a metric used to assign overall chemical status. | **Y** | **Y** | **Y** |
| GWChem002 | Saline or other intrusions status, a metric used to assign overall chemical status. | **Y** | **Y** | **Y** |
| GWChem003 | GW dependent ecosystems (chemical impacts) status, a metric used to assign overall chemical status. | **Y** | **Y** | **Y** |
| GWChem004 | Impact on surface water chemical/ecological status test, a metric used to assign overall chemical status. | **Y** | **Y** | **Y** |
| GWChem005 | Drinking water Protected Area status test, a metric used to assign overall chemical status. | **Y** | **Y** | **Y** |
| QUANT\_CLASS | Overall Quantitative status of the Groundwater waterbody. | **Y** | **Y** | **Y** |
| GWQuan001 | GW dependent terrestrial ecosystems (quantitative impacts) status, a metric used to assign overall quantitative status. | **Y** | **Y** | **Y** |
| GWQuan002 | Impact on dependent surface waters status, a metric used to assign overall quantitative status. | **Y** | **Y** | **Y** |
| GWQuan003 | Saline or other intrusions status, a metric used to assign overall quantitative status. | **Y** | **Y** | **Y** |
| GWQuan004 | Resource balance status, a metric used to assign overall quantitative status. | **Y** | **Y** | **Y** |
| QUANTPRED15 | The chemical status the water body may reach by 2015. | **Y** | **Y** | **Y** |
| CHEMPRED15 | The quantitative status the water body may reach by 2016. | **Y** | **Y** | **Y** |
| OVOBJ | The overall status objective for the waterbody. | **Y** | **Y** | **Y** |
| CHEMOBJ | The chemical status objective for the waterbody. | **Y** | **Y** | **Y** |
| QUANOBJ | The groundwater quantitative status objective. | **Y** | **Y** | **Y** |
| QUANTREASON | The reason why a waterbody doesn't have a quantitative objective of good by 2015. | **Y** | **Y** | **Y** |
| CHEMREASON | The reason why a waterbody doesn't have a chemical objective of good by 2015. | **Y** | **Y** | **Y** |
| OVREASON | The reason why a waterbody doesn't have an objective of good by 2015. | **Y** | **Y** | **Y** |
| N\_MEAS | Number of local action applicable to this waterbody. | **Y** | **Y** | **Y** |

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### WFD Groundwater Classification Status and Objectives Cycle 1 (AfA424)

|  |
| --- |
| **Description**  WFD Groundwater Classification Status and Objectives Cycle 1 dataset shows the classification status and environmental objectives for groundwater bodies across all River Basin Districts in England and Wales. Cycle 1 data was created in 2009 and covers the period from 2009-2015.  The spreadsheet gives the following information for each groundwater body:  • Identification and other geographical information (e.g. name, protected area designation)  • Overall current status and status objectives  • Current status and objectives for each element used to classify the water body  • Justifications for any elements not reaching good status by 2015 (including the decision  codes which act as a cross reference to further information which may be available).  Data relating to Wales is included in this dataset and is owned by Natural Resources Wales (NRW) and is not licensed by the Environment Agency. If you wish to re-use the NRW data please contact NRW.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={F71D8189-F815-4DA8-B1E8-F955C62E650C}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bF71D8189-F815-4DA8-B1E8-F955C62E650C%7d)  **Update frequency**  No updates  **Supply frequency**  One-off supply  **Third Party Prior Rights**  None  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  Microsoft Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Waterbody Spatial Data** | | | | |
| WB ID | The unique identifier for each waterbody | **Y** | **Y** | **Y** |
| Category | Waterbody type. For this dataset all are groundwater | **Y** | **Y** | **Y** |
| WB Name | Waterbody name | **Y** | **Y** | **Y** |
| NGR | Location of waterbody 10 NGR | **Y** | **Y** | **Y** |
| Country | Either England or Wales | **Y** | **Y** | **Y** |
| RBD ID | River Basin District ID | **Y** | **Y** | **Y** |
| RBD Name | River Basin District name | **Y** | **Y** | **Y** |
| **Waterbody Summary Data** | | | | |
| Curr Overall Status | Either good or poor | **Y** | **Y** | **Y** |
| QuantStatus | Either good or poor | **Y** | **Y** | **Y** |
| QuantCert | Either uncertain or very uncertain | **Y** | **Y** | **Y** |
| ChemStatus | Either good or fail | **Y** | **Y** | **Y** |
| ChemCert | Either uncertain or very uncertain | **Y** | **Y** | **Y** |
| Overall Objective | Options: good status by 2015, 2021 or 2027, or poor status by 2015 | **Y** | **Y** | **Y** |
| Quantitative Objective | Options: good ecological status by 2015 or 2027, or poor ecological status by 2015 | **Y** | **Y** | **Y** |
| Chemical Objective | Options: good chemical status by 2015, 2021or 2027, or poor ecological status by 2015 | **Y** | **Y** | **Y** |
| **Waterbody Characterisations - Protected Area Designation and Reasons** | | | | |
| Protected Area | Whether the waterbody is a protected area | **Y** | **Y** | **Y** |
| Drinking Water Protected Area | Whether the waterbody is a Drinking Water Protected Area | **Y** | **Y** | **Y** |
| Nitrates Directive | Whether the waterbody is a Nitrates Directive Protected Area | **Y** | **Y** | **Y** |
| Up Trend | Risk to waterbody from Upward Trend | **Y** | **Y** | **Y** |
| **Quantitative Elements - Impact on Wetlands** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Quantitative Elements - Impact on Surface Waters** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Quantitative Elements - Saline Intrusion** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Quantitative Elements - Water Balance** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Chemical Elements - Drinking Water Protected Area** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Chemical Elements - General Chemical Test** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Chemical Elements - Impact on Wetlands** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Chemical Elements - Impact on Surface Waters** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |
| **Chemical Elements - Saline Intrusion** | | | | |
| Curr | Current status | **Y** | **Y** | **Y** |
| Conf | Confidence in current status | **Y** | **Y** | **Y** |
| 2015 | Status expected | **Y** | **Y** | **Y** |
| Justification | Reason why 2015 status is ‘poor’ | **Y** | **Y** | **Y** |

### WFD Lake Waterbody Classification and Status Review (AfA084)

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| --- |
| **Description**  The **‘**WFD Lake Waterbody Classification and Status Review’ contains attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 5 of the WFD defines them as ‘…a body of standing inland surface water’ where lakes with an area >0.5ha or if located in a Site of Special Scientific Interest have been reported. The dataset contains attribution on the following:   * Physical characteristics – defined by the ‘Type’ of waterbody, determined through a combination of altitude, size, underlying geology and whether the waterbody is naturally occurring or not; * Risk Status is where waterbodies have been assessed by ecological status identifying the following:   + Biological Elements;   + Hydromorphological elements supporting the biological elements;   + Chemical and physio-chemical elements supporting the biological elements;   + General: thermal conditions, oxygenated conditions, salinity, acidification status and nutrient conditions; and   + Specific pollutants (priority and other substances being discharged into the body of water). * Classification – such as whether the at good ecological status; * Proposed objectives and outcomes for the waterbody, such as to attain good status by 2015.   Each waterbody has been assessed on ‘EA\_WB\_ID’ basis, which is a unique identifier that enables a link to lake waterbody geometry.  **Issues to Note**  This AfA has been reinstated from previously been categorised as obsolete AfA.  **AfA Category**  Obsolete  **Metadata link**  **Update frequency**  N/A  **Supply frequency**  Annually  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. low, small siliceous lake. | **Y** | **Y** | **Y** |
| HYDRO\_STAT | Whether the waterbody is natural, artificial (e.g. canal), heavily modified etc. | **Y** | **Y** | **Y** |
| PA | Is the waterbody a protected area? | **Y** | **Y** | **Y** |
| PABW | Is the waterbody a Bathing Waters Directive protected area? | **Y** | **Y** | **Y** |
| PADW | Is the waterbody a Drinking Water Directive protected area? | **Y** | **Y** | **Y** |
| PAFF | Is the waterbody a Fresh Water Fish Directive protected area? | **Y** | **Y** | **Y** |
| PANI | Is the waterbody a Nitrates Directive protected area? | **Y** | **Y** | **Y** |
| PAUW | Is the waterbody an Urban Waste Water Directive protected area? | **Y** | **Y** | **Y** |
| PAWB | Is the waterbody a Wild Birds Directive protected area? | **Y** | **Y** | **Y** |
| PAHS | Is the waterbody a Habitats and Species Directive protected area? | **Y** | **Y** | **Y** |
| RSKOV | The overall risk category for the waterbody. Made up of several risk categories of not achieving good ecological status. [as for most risk assessment data]:   * High Risk * Moderate Risk * Low Risk * No Risk * Not Assessed | **Y** | **Y** | **Y** |
| RSKPNT | Risk to Waterbody from point source pollution. | **Y** | **Y** | **Y** |
| PT\_P | Risk to waterbody from point source phosphorous | **Y** | **Y** | **Y** |
| RSKDFF | Risk to Waterbody from diffuse source pollution. | **Y** | **Y** | **Y** |
| ACID | Risk to waterbody form diffuse source acidification. | **Y** | **Y** | **Y** |
| DIFF\_P | Risk to waterbody from diffuse source phosphorous. | **Y** | **Y** | **Y** |
| RSKWABFL | Risk to Waterbody from Water Abstraction and Flow pressures. | **Y** | **Y** | **Y** |
| RSKPMOR | Risk to Waterbody from physical and morphological pressures. | **Y** | **Y** | **Y** |
| RSKAL | Risk to Waterbody from alien species. | **Y** | **Y** | **Y** |
| ECO\_CLASS | Ecological classification status of the Waterbody:   * High * Good * Moderate * Poor * Bad * Not Assessed | **Y** | **Y** | **Y** |
| STATPOT | Whether the waterbody has an ecological status or an ecological potential. | **Y** | **Y** | **Y** |
| ECO\_BIO | The overall biological status. | **Y** | **Y** | **Y** |
| EcoBio006 | Diatoms status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio005 | Marophytes status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio003 | Macro-inverts status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio007 | Phytoplankton status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| ECO\_GEN | Overall General Physico-Chem status. | **Y** | **Y** | **Y** |
| EcoPhyG005 | Dissolved oxygen status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyG008 | pH status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyG009 | Phosphate status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyG002 | Ammonia status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ECO\_HM | Overall hydro-morphology status [as with most status measurements]:   * High * Good * Moderate * Poor * Bad * Not Assessed | **Y** | **Y** | **Y** |
| EcoHyd001 | Hydrology status, a metric used to assign overall hydro-morphological status of a waterbody. | **Y** | **Y** | **Y** |
| EcoHyd002 | Morphology status, a metric used to assign overall hydro-morphological status of a waterbody. | **Y** | **Y** | **Y** |
| Annex8Chem | Overall specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS003 | 2, 4-dichlorophenol status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS004 | 2, 4-dichlorophenoxyacetic acid status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS008 | Arsenic status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS012 | Chlorine status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS016 | Copper status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS017 | Cyanide status, a metric used to assign overall hydro-morphological status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS019 | Cypermethrin status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS020 | Diazinon status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS022 | Dimethoate, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS024 | Iron status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS025 | Linuron status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS028 | Mecoprop status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS029 | Permethrin status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS030 | Phenol status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS032 | Toluene status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS037 | Zinc status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS038 | Ammonia status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| CHEM\_CLASS | Chemical classification status of the Waterbody | **Y** | **Y** | **Y** |
| CHEM\_PR | Overall priority substances class | **Y** | **Y** | **Y** |
| CLOVST | Overall classification status of the waterbody.   * High * Good * Moderate * Poor * Not Assessed | **Y** | **Y** | **Y** |
| ChemPrioN001 | Aldrin, Dieldrin, Endrin & Isodrin status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN002 | Carbon Tetrachloride status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN003 | DDT Total status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN004 | para - para DDT status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN005 | Tetrachloroethylene status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN006 | Trichloroethylene status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| CHEM\_PHZ | Overall priority hazardous substances class | **Y** | **Y** | **Y** |
| ChemPrioH001 | 1, 2-dichloroethane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH003 | Anthracene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH004 | Atrazine status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH005 | Benzene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH006 | Benzo (a) and (k) fluoranthene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH007 | Benzo (ghi) perelyene and indeno (123-cd) pyrene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH008 | Benzo(a)pyrene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH009 | Cadmium And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH011 | Chlorfenvinphos status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH013 | Chlorpyrifos status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH014 | Di(2-ethylhexyl)phthalate status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH015 | Dichloromethane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH016 | Diuron status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH017 | Endosulfan status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH018 | Fluoranthene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH019 | Hexachlorobenzene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH020 | Hexachlorobutadiene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH021 | Hexachlorocyclohexane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH022 | Isoproturon status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH023 | Lead And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH024 | Mercury And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH025 | Napthalene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH026 | Nickel And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH027 | Nonylphenol status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH028 | Octylphenol status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH031 | Pentachlorobenzene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH032 | Pentachlorophenol status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH033 | Simazine status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH034 | Tributyltin Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH035 | Trichlorobenzenes status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH036 | Trichloromethane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH037 | Trifluralin status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ECOPRED15 | The ecological status the water body may reach by 2015. | **Y** | **Y** | **Y** |
| CHEMPRED15 | The chemical status the water body may reach by 2016. | **Y** | **Y** | **Y** |
| OVOBJ | The final overall status of the waterbody. | **Y** | **Y** | **Y** |
| ECOOBJ | The ecological status objective for the waterbody. | **Y** | **Y** | **Y** |
| CHEMOBJ | The chemical status objective for the waterbody. | **Y** | **Y** | **Y** |
| OVREASON | The reason why a waterbody doesn't have an objective of good by 2015. | **Y** | **Y** | **Y** |
| N\_MEAS | The number of actions that apply to this waterbody. | **Y** | **Y** | **Y** |

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### WFD Lake Waterbodies (AfA083)

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| --- |
| **Description**  ‘WFD Lake Waterbodies’ is a polygon Shapefile dataset containing Water Framework Directive (WFD) attributes that have been collated as defined for the implementation of the Water Framework Directive. Article 2, clause 5 of the WFD defines them as ‘…a body of standing inland surface water’. There is data on the physical characteristics, risk, classification and proposed objectives that can be linked to waterbodies by their unique identifiers. Artificial and modified lake waterbodies are included within this dataset; however, generally only lakes above > 50 hectares were assessed under the WFD except for lakes in protected areas, where a minimum of 5.0ha was used. Lakes below this threshold are not included within this dataset unless allocated as Sites of Special Scientific Interest (SSSI) as supplied by Natural England.  Each waterbody has been assigned ‘EA\_WB\_ID’, which is a unique identifier that enables a link to WFD attributes.  These data apply to Cycle 1 of the Water Framework Directive. The equivalent layer for Cycle 2 is covered by AfA349.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={94DF3E95-3A21-462D-A62A-0845194467DC}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b94DF3E95-3A21-462D-A62A-0845194467DC%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polygon shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. shallow, small siliceous lake. | **Y** | **Y** | **Y** |

### WFD Management Catchments (AfA092)

|  |
| --- |
| **Description**  ‘WFD Management Catchments’ is a polygon Shapefile dataset collated as defined for the implementation of the Water Framework Directive (WFD). Management catchments are the unit of geography for which action plans are drafted in implementing the WFD. WFD Management Catchments have been delineated by using WFD River Waterbody Catchments [these were delineated through use of flow data and a digital terrain model run through a hydrological model] as “building blocks” that have been aggregated together within a GIS, ensuring that WFD rivers do not intersect boundaries. This process was conducted by using expert judgement in consultation.  WFD Management Catchments have an action plan published that relates to all waterbodies that fall within its boundaries.  **Issues to Note**  Data is posted on WIYBY as allowed by the PGA with OS. Prior rights are also owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY.  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={45B6DAA1-8676-4919-8B5C-707A8DC52A65}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b45B6DAA1-8676-4919-8B5C-707A8DC52A65%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polygon Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Data is posted on WIBY as allowed by the PGA with OS. Prior rights are also owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| ID | Object ID: Geometry identifier | **Y** | **Y** | **Y** |
| CATCH\_ID | The management catchment ID. | **Y** | **Y** | **Y** |
| CATCHMENT | The management catchment name | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| NORTHING | The northing of the site [6 digits]. | **Y** | **Y** | **Y** |

### WFD Measures Cycle 1 (AfA218)

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| **Description**  The Water Framework Directive (WFD) Measures Cycle 1 dataset contains actions to maintain Good Ecological Status under the Water Framework Directive. Cycle 1 covers the period from 2009-2015. The actions result from responsible organisations that have given a commitment to carry out those specific programmes of work in order to comply with their overarching duties under the WFD.  For an explanation of the WFD and how it relates to catchment based River Basin Management see (link [here](https://www.google.co.uk/url?q=http://www.coastms.co.uk/resource/2600/retrieve&sa=U&ei=a7FPU_mxCoGy7AbKpoEo&ved=0CB4QFjAA&sig2=C1z3K1cKoNP-7YfuPmsZ2A&usg=AFQjCNGpGnf2Q2HsLo_hzTwQC99P8208fg)).  Data relating to Wales is included in this dataset and is owned by Natural Resources Wales (NRW) and is not licensed by the Environment Agency. If you wish to re-use the NRW data please contact NRW.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={25B18DDE-4BFB-4BF8-85C9-34D7E7A47059}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b25B18DDE-4BFB-4BF8-85C9-34D7E7A47059%7d)  **Update frequency**  No updates  **Supply frequency**  One-off supply  **Third Party Prior Rights**  None  **Data Contact / Supply**  Available on DataShare  **Format Supplied**  Microsoft Excel  **Special Conditions**  None  **Information Warning**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| MeasureID | Unique ID | **Y** | **Y** | **Y** |
| NationalID | Unique ID | **Y** | **Y** | **Y** |
| RBD | River Basin District. | **Y** | **Y** | **Y** |
| Sector | E.g. Angling & conservation; navigation; water industry. | **Y** | **Y** | **Y** |
| Pressure | E.g. Pressures on groundwater; ammonia; alien species. | **Y** | **Y** | **Y** |
| WhatWillHappen | Actions are those which the responsible organisations have given a commitment to carry out. | **Y** | **Y** | **Y** |
| SpatialType | Either: Management Catchment, River Basin District or Waterbody | **Y** | **Y** | **Y** |
| WhereItWillHappen | Reference and description of applicable waterbody or where the action takes place. | **Y**  **Y**  **Y** | **Y**  **Y**  **Y** | **Y**  **Y**  **Y** |
| WhereDescription |
| WhereSummary |
| LeadOrganisation | Responsible organisation | **Y** | **Y** | **Y** |
| Partners | Partners involved | **Y** | **Y** | **Y** |
| Investigation | Modelled = no, site checked = yes | **Y** | **Y** | **Y** |
| Natura2000 | Does the action takes place in a Natura2000 protection area | **Y** | **Y** | **Y** |
| MeasureType | Either basic, other basic or supplementary | **Y** | **Y** | **Y** |
| TypeDesc | E.g. Habitats, point source discharge | **Y** | **Y** | **Y** |
| Geographic | E.g. Part of RBD | **Y** | **Y** | **Y** |
| AdditionalMeasure | Whether additional measures are needed | **Y** | **Y** | **Y** |
| GroundWater | Action in groundwater waterbody | **Y** | **Y** | **Y** |
| River | Action in river waterbody | **Y** | **Y** | **Y** |
| Lake | Action in lake waterbody | **Y** | **Y** | **Y** |
| Transitional | Action in transitional waterbody | **Y** | **Y** | **Y** |
| Coastal | Action in coastal waterbody | **Y** | **Y** | **Y** |

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### WFD Monitoring Network (AfA091)

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| **Description**  The ‘WFD Monitoring Network’ is a point Shapefile that contains the location of monitoring sites used by the Environment Agency in the implementation of the Water Framework Directive (WFD). The network consists of numerous monitoring sites used to record various parameters. These data are intended to show the location and extent of the network and does not hold any actual monitored data.  **Issues to Note**  These data have abstraction sites rounded to 4 figure grid reference due to concerns over national security.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={68CC0E15-599C-4C38-94BF-91EF2E1C2DB8}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b68CC0E15-599C-4C38-94BF-91EF2E1C2DB8%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Point Shapefile  **Special Conditions**  None  **Information Warning**  These data have abstraction sites rounded to 4 figure grid reference due to concerns over national security.  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| KEY | Unique identifier for the point. | **Y** | **Y** | **Y** |
| SITE\_ID | The ID for the site from the host system. | **Y** | **Y** | **Y** |
| MON\_PERIOD | When the site was monitored. | **Y** | **Y** | **Y** |
| MON\_TYPE | Type of monitoring carried out, e.g. chemistry, biology etc. | **Y** | **Y** | **Y** |
| T\_P\_CODE | Used to map the layer. Combines the monitoring type and monitoring code. | **Y** | **Y** | **Y** |
| EASTING | The easting of the site. | **Y** | **Y** | **Y** |
| NORTHING | The northing of the site. | **Y** | **Y** | **Y** |

### WFD River Basin Districts (AfA081)

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| **Description**  ‘WFD River Basin Districts’ is a polygon Shapefile dataset containing attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 2 of the WFD defines them as ‘…the area of land and sea, made up of one or more neighbouring river basins together with their associated groundwaters and coastal waters…’. River Basin Districts have been delineated by using River Catchments as “building blocks” that have been aggregated together within a GIS, ensuring that WFD rivers do not intersect boundaries. Coastal and transitional waterbodies are also merged and assigned to a river basin district. River Catchments were delineated through use of flow data and a digital terrain model run through a hydrological model.  **Issues to Note**  Data is posted on WIYBY as allowed by the PGA with OS. Prior rights are also owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY.  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={FF2E8A56-EE31-49BC-A204-55B983986F53}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bFF2E8A56-EE31-49BC-A204-55B983986F53%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polygon shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Data is posted on WIYBY as allowed by the PGA with OS. Prior rights are also owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| RBD\_ID | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| RBD\_ID | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |

### WFD River Waterbodies (AfA079)

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| **Description**  ‘WFD River Waterbodies’ is a polyline Shapefile dataset collated as defined for the implementation of the Water Framework Directive (WFD). Since each river waterbody is attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives. The river polylines were defined by using of the Environment Agency - General Quality Assessment (GQA) River Stretches dataset this is copied directly from the CEH 1:50K River Network with some additional stretched added in by the Environment Agency. Additional stretches were added to cover all stretches designated under the Fresh Water Fish Directive, all stretches designated within riverine SSSIs, and ensuring that all riverine abstractions which contributed to the designation of a Drinking Water Protected Area were sited on a designated river waterbody. In addition to this, some stretches were added where the upstream catchment size was > 10km2, but no other river stretch was designated (10km2 was the original cut-off catchment size form defining a waterbody under the WFD).  The resultant WFD river waterbody datasets is a sub-set of the CEH network, including only stretches that meet any of the criteria outlined above.  WFD River waterbodies share the same EA\_WB\_ID as their river waterbody catchment allowing these 2 datasets to be linked. All river waterbodies are associated with a waterbody catchment. Not all catchments have a designated WFD river waterbody within them.  **Issues to Note**  Prior rights are owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY. Prior rights are also owned by OS and would require permission for disclosure. Data is posted on WIYBY as allowed by the PGA with OS.  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={041630C5-746A-4CE0-88F9-ECA8BA2B8235}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b041630C5-746A-4CE0-88F9-ECA8BA2B8235%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polyline shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Attributes for WFD River Waterbodies have been approved within ‘WFD Reporting Database’, with it recommended that these data are sent if attributes contained in this dataset are requested. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polyline;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| ID | Number: Object ID: Geometry identifier | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. low, small siliceous river. | **Y** | **Y** | **Y** |

### WFD River Waterbody Catchments (AfA080)

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| **Description**  The ‘WFD River Waterbody Catchments’ are a polygon Shapefile dataset collated as defined for the implementation of the Water Framework Directive. Catchments are defined as an area of land from which all surface run-off flows through a series of streams, rivers and, possibly, lakes to a particular point in the water course such as a river confluence. Since rivers are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives.  Delineation of the river catchment boundaries primarily utilised the CEH Flow Grid hydrological model run with CEH Integrated Hydrological Digital Terrain Model (IHDTM) data so as to determine water drainage into river stretches. Upstream catchment size was calculated within an ESRI GIS environment using the extension Arc Hydro.  Each waterbody has been assigned ‘EA\_WB\_ID’, which is a unique identifier that enables a link to WFD attributes.  **Issues to Note**  Prior rights are owned by CEH and would require permission for disclosure. An agreement in principle has been obtained from CEH for the posting onto WIYBY. Prior rights are also owned by OS and would require permission for disclosure. Data is posted on WIBY as allowed by the PGA with OS.  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={0174BA63-85BB-4491-B3A7-1E2C86850FB1}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b0174BA63-85BB-4491-B3A7-1E2C86850FB1%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  Polygon shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Attributes for WFD River Waterbodies have been approved within ‘WFD `Reporting Database’, with it recommended that these data are sent if attributes contained in this dataset are requested. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **N** | **N** | **N** |
| ID | Object ID: Geometry identifier | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. low, small siliceous river. | **Y** | **Y** | **Y** |

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### WFD River Waterbody Classification and Status Review (AfA082)

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| **Description**  The **‘**WFD River Waterbody Classification and Status Review’ contains attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD), where rivers within a catchment boundary with the highest Strahler Stream Order are reported. The dataset contains attribution on the following:   * Physical characteristics – defined by the ‘Type’ of waterbody, determined through a combination of altitude, size, underlying geology and whether the waterbody is naturally occurring or not; * Risk Status is where waterbodies have been assessed by ecological status identifying the following:   + Biological Elements;   + Hydromorphological elements supporting the biological elements;   + Chemical and physio-chemical elements supporting the biological elements;   + General: thermal conditions, oxygenated conditions, salinity, acidification status and nutrient conditions; and   + Specific pollutants (priority and other substances being discharged into the body of water). * Classification – such as whether the waterbody is at good status for a particular quality element; * Proposed objectives and outcomes for the waterbody, such as to attain good status by 2015.   Each waterbody has been assessed on ‘EA\_WB\_ID’ basis, which is a unique identifier that enables a link between river catchments and river stretches. This unique identifier also provides a unique field to join with river geometry.  **Issues to Note**  This AfA has been reinstated from previously been categorised as obsolete AfA.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. low, small siliceous river. | **Y** | **Y** | **Y** |
| HYDRO\_STAT | Whether the waterbody is natural, artificial (e.g. canal), heavily modified etc. | **Y** | **Y** | **Y** |
| PA | Is the waterbody a protected area? | **Y** | **Y** | **Y** |
| PABW | Is the waterbody a Bathing Waters Directive protected area? | **Y** | **Y** | **Y** |
| PADW | Is the waterbody a Drinking Water Directive protected area? | **Y** | **Y** | **Y** |
| PAFF | Is the waterbody a Fresh Water Fish Directive protected area? | **Y** | **Y** | **Y** |
| PANI | Is the waterbody a Nitrates Directive protected area? | **Y** | **Y** | **Y** |
| PAUW | Is the waterbody an Urban Waste Water Directive protected area? | **Y** | **Y** | **Y** |
| PAWB | Is the waterbody a Wild Birds Directive protected area? | **Y** | **Y** | **Y** |
| PAHS | Is the waterbody a Habitats and Species Directive protected area? | **Y** | **Y** | **Y** |
| RSKOV | The overall risk category for the waterbody. Made up of several risk categories of not achieving good ecological status. [as for all risk assessment data]:   * High Risk * Moderate Risk * Low Risk * No Risk * Not Assessed | **Y** | **Y** | **Y** |
| RSKPNT | Risk to Waterbody from point source pollution. | **Y** | **Y** | **Y** |
| PT\_METS | Risk to Waterbody from point source metals pollution. | **Y** | **Y** | **Y** |
| PT\_PEST | Risk to Waterbody from point source pesticides pollution. | **Y** | **Y** | **Y** |
| PT\_OTH | Risk to Waterbody from point source “other determinants" pollution. | **Y** | **Y** | **Y** |
| DSD | Risk to Waterbody from point dangerous substances pollution. | **Y** | **Y** | **Y** |
| PT\_RAS | Risk to Waterbody from point source radioactive substances pollution. | **Y** | **Y** | **Y** |
| RSKDFF | Risk to Waterbody from diffuse source pollution. | **Y** | **Y** | **Y** |
| MINES | Risk to Waterbody from diffuse source mines and mine waters pollution. | **Y** | **Y** | **Y** |
| PEST | Risk to Waterbody from diffuse source pesticide pollution. | **Y** | **Y** | **Y** |
| SHEEP | Risk to Waterbody from diffuse source sheep dip pollution. | **Y** | **Y** | **Y** |
| ACID | Risk to Waterbody from diffuse source acidification. | **Y** | **Y** | **Y** |
| SEDI | Risk to Waterbody from diffuse source sediments. | **Y** | **Y** | **Y** |
| P\_AG | Risk to Waterbody from diffuse source phosphorous pollution form agriculture. | **Y** | **Y** | **Y** |
| URB | Risk to Waterbody from diffuse source urban pollution. | **Y** | **Y** | **Y** |
| RSKCSSAN | Risk from diffuse & point sources for sanitary determinands. | **Y** | **Y** | **Y** |
| NH3 | Risk from ammonia from point and diffuse sources. | **Y** | **Y** | **Y** |
| BOD | Risk of increased biological oxygen demand from point and diffuse source pollution. | **Y** | **Y** | **Y** |
| RSKCSNUTS | Risk from diffuse & point sources from nutrients. | **Y** | **Y** | **Y** |
| NO3 | Risk from diffuse and point source nitrogen. | **Y** | **Y** | **Y** |
| P | Risk from diffuse and point source phosphorous | **Y** | **Y** | **Y** |
| RSKWABFL | Risk to Waterbody from Water Abstraction and Flow pressures. | **Y** | **Y** | **Y** |
| RSKPMOR | Risk to Waterbody from physical and morphological pressures. | **Y** | **Y** | **Y** |
| RSKAL | Risk to Waterbody from alien species. | **Y** | **Y** | **Y** |
| ECO\_CLASS | Ecological classification status of the Waterbody:   * High * Good * Moderate * Poor * Bad * Not Assessed | **Y** | **Y** | **Y** |
| STATPOT | Whether the waterbody has an ecological status or an ecological potential. | **Y** | **Y** | **Y** |
| ECO\_BIO | The overall biological status assigned to the waterbody. | **Y** | **Y** | **Y** |
| EcoBio006 | Diatoms status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio005 | Marophytes status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio003 | Macro-inverts status, a metric used to assign overall biological status of a waterbody. | **Y** | **Y** | **Y** |
| EcoBio002 | Fish status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| ECO\_GEN | Overall General Physico-Chemical status. | **Y** | **Y** | **Y** |
| EcoPhyG005 | Dissolved oxygen status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyG008 | pH status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyG009 | Phosphate status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyG002 | Ammonia status, a metric used to assign overall General Physico-Chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ECO\_HM | Overall hydro-morphology status [as with most status measurements]:   * High * Good * Moderate * Poor * Bad * Not Assessed | **Y** | **Y** | **Y** |
| EcoHyd001 | Hydrology status, a metric used to assign overall hydro-morphological status of a waterbody. | **Y** | **Y** | **Y** |
| EcoHyd002 | Morphology status, a metric used to assign overall hydro-morphological status of a waterbody. | **Y** | **Y** | **Y** |
| Annex8Chem | Overall specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS003 | 2, 4-dichlorophenol status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS004 | 2, 4-dichlorophenoxyacetic acid status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS008 | Arsenic status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS012 | Chlorine status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS016 | Copper status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS017 | Cyanide status, a metric used to assign overall hydro-morphological status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS019 | Cypermethrin status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS020 | Diazinon status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS022 | Dimethoate, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS024 | Iron status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS025 | Linuron status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS028 | Mecoprop status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS029 | Permethrin status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS030 | Phenol status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS032 | Toluene status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS037 | Zinc status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| EcoPhyS038 | Ammonia status, a metric used to assign specific pollutants status of a waterbody. | **Y** | **Y** | **Y** |
| CHEM\_CLASS | Chemical classification status of the Waterbody. | **Y** | **Y** | **Y** |
| CHEM\_PR | Overall priority substances class. | **Y** | **Y** | **Y** |
| ChemPrioN001 | Aldrin, Dieldrin, Endrin & Isodrin status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN002 | Carbon Tetrachloride status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN003 | DDT Total status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN004 | para - para DDT status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN005 | Tetrachloroethylene status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| ChemPrioN006 | Trichloroethylene status, a metric used to assign chemical status of a waterbody. | **Y** | **Y** | **Y** |
| CHEM\_PHZ | Overall priority hazardous substances class | **Y** | **Y** | **Y** |
| ChemPrioH001 | 1,2-dichloroethane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH003 | Anthracene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH004 | Atrazine status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH005 | Benzene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH006 | Benzo (a) and (k) fluoranthene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH007 | Benzo (ghi) perelyene and indeno (123-cd) pyrene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH008 | Benzo (a) pyrene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH009 | Cadmium And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH011 | Chlorfenvinphos status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH013 | Chlorpyrifos status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH014 | Di(2-ethylhexyl)phthalate status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH015 | Dichloromethane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH016 | Diuron status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH017 | Endosulfan status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH018 | Fluoranthene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH019 | Hexachlorobenzene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH020 | Hexachlorobutadiene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH021 | Hexachlorocyclohexane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH022 | Isoproturon status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH023 | Lead And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH024 | Mercury And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH025 | Napthalene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH026 | Nickel And Its Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH027 | Nonylphenol status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH028 | Octylphenol status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH031 | Pentachlorobenzene status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH032 | Pentachlorophenol status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH033 | Simazine status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH034 | Tributyltin Compounds status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH035 | Trichlorobenzenes status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH036 | Trichloromethane status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ChemPrioH037 | Trifluralin status, a metric used to assign overall priority hazardous substance class. | **Y** | **Y** | **Y** |
| ECOPRED15 | The predicted ecological status the water body may reach by 2015. | **Y** | **Y** | **Y** |
| CHEMPRED15 | The predicted chemical status the water body may reach by 2016 | **Y** | **Y** | **Y** |
| OVOBJ | The final overall status of the waterbody, e.g. Good Potential by 2015, Good Status by 2027. | **Y** | **Y** | **Y** |
| ECOOBJ | The ecological status objective for the waterbody, e.g. Good Ecological Potential by 2015, Good Ecological Status by 2027. | **Y** | **Y** | **Y** |
| CHEMOBJ | The chemical status objective for the waterbody, e.g. Good Chemcial Potential by 2015, Good Chemical Status by 2027. | **Y** | **Y** | **Y** |
| ECOREASON | The reason why a waterbody doesn't have a biological objective of good by 2015. | **Y** | **Y** | **Y** |
| CHEMREASON | The reason why a waterbody doesn't have a chemical objective of good by 2015. | **Y** | **Y** | **Y** |
| OVREASON | The reason why a waterbody doesn't have an objective of good by 2015, e.g. Disproportionately expensive - Measure not worthwhile | **Y** | **Y** | **Y** |
| N\_MEAS | The number of actions to enable waterbody to reach good ecological status that applies to this waterbody. | **Y** | **Y** | **Y** |

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### WFD Rocky Shore Macroalgal Species (AfA129)

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| --- |
| **Description**  Information regarding the presence of macroalgal species on rocky shores monitored for the Water Framework Directive ecological assessment of transitional and coastal waters of England and Wales.  Monitoring follows the Reduced Species List method outlined in the UK Technical Advisory Group method statement. Data are from intertidal rocky shores. The shore is searched for a set time period and the presence of identified algae, from the WFD Reduced Species List, recorded.  Rocky Shore Macroalgal Species data are updated as new monitoring data are made available. Monitoring occurs June to September with records being updated after the sampling season.  The extracted data is a subset of the full dataset and only includes data collected/owned by the Environment Agency.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={DB257412-E049-46A6-9122-497CFBBF219D}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bDB257412-E049-46A6-9122-497CFBBF219D%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Owner | Owner of the data (the EA for these data) | **Y** | **Y** | **Y** |
| Owner | Owner of the data (the EA for these data) | **Y** | **Y** | **Y** |
| Site | Unique Site ID from the WFD rocky shore macroalgal database | **Y** | **Y** | **Y** |
| Name | Site name of area/shore (note not WFD waterbody names) | **Y** | **Y** | **Y** |
| Species Name | Macroalgal species identified as present | **Y** | **Y** | **Y** |
| Easting | Easting of shore (central point) which has been surveyed | **Y** | **Y** | **Y** |
| Northing | Northing of shore (central point) which has been surveyed | **Y** | **Y** | **Y** |
| Month | Month of shore survey | **Y** | **Y** | **Y** |
| Year | Year of shore survey | **Y** | **Y** | **Y** |
| Purpose | Driver for survey – in this case WFD | **Y** | **Y** | **Y** |

### WFD SSSI Ditches (AfA095)

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| --- |
| **Description**  ‘WFD SSSI Ditches’ are Drainage Ditches in Sites of Special Scientific Interest (SSSI) that have been extracted from Natural England’s SSSI dataset. These data show sites that have been categorised as SSSI’s due to the presence either species rich ditch systems or where rare species are found.  Each waterbody has been assigned ‘EA\_WB\_ID’, which is a unique identifier that enables a link to WFD attributes.  **Issues to Note**  Data is posted on WIYBY as allowed by the terms and conditions of the Natural England Licence.  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  AfA (Information Requests only)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={41D56F01-C34B-4E28-B18F-E3E9AA406000}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b41D56F01-C34B-4E28-B18F-E3E9AA406000%7d)  **Update frequency**  Ad Hoc  **Supply frequency**  N/A  **Third Party Prior Rights**  Prior rights are owned by Natural England and would require permission for disclosure.  **Data Contact / Supply**  N/A  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Data is allowed for the Environment Agency’s business use in-line with the MOU agreement with Natural England. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polyline  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| ID | Number: Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |

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### WFD Transitional (Estuarine) Waterbodies (AfA089)

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| **Description**  ‘WFD Transitional (Estuarine) Waterbodies’ is a polygon Shapefile dataset containing attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 6 of the WFD defines them as ‘…bodies of surface water in the vicinity of river mouths which are partly saline in character as a result of their proximity to coastal waters but are substantially influenced by freshwater flows’. Transitional waterbodies were defined from Mean High Water boundaries, taken directly from OS 1:50K MeridianTM 2, and Environment Agency estuarine boundaries defined for the Urban Waste Water Treatment Directive (UWWTD).  Since waterbodies are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives.  These data apply to Cycle 1 of the Water Framework Directive. The equivalent layer for Cycle 2 is covered by AfA351.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme &IfRR)  EA Opendata  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={BBA8EF8B-A0BB-4E7C-ADDE-8F183583FC43}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bBBA8EF8B-A0BB-4E7C-ADDE-8F183583FC43%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. Exposed, Macrotidal. | **Y** | **Y** | **Y** |

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### WFD Transitional (Estuarine) Waterbody Classification and Status Review (AfA086)

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| **Description**  The **‘**WFD Transitional (Estuarine) Waterbody Classification and Status Review’ contains attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 6 of the WFD defines them as ‘…bodies of surface water in the vicinity of river mouths which are partly saline in character as a result of their proximity to coastal waters but are substantially influenced by freshwater flows’. Transitional waterbodies were defined from Mean High Water boundaries and Environment Agency estuarine boundaries defined for the Urban Waste Water Treatment Directive (UWWTD). The dataset contains attribution on the following:   * Physical characteristics – defined by the ‘Type’ of waterbody, determined through a combination of salinity, eco-region and tidal range; * Risk Status is where waterbodies have been assessed by ecological status identifying the following:   + Biological Elements;   + Hydromorphological elements supporting the biological elements;   + Chemical and physio-chemical elements supporting the biological elements;   + Specific pollutants (priority and other substances being discharged into the body of water). * Classification – such as whether the waterbody is at good ecological status; * Proposed objectives and outcomes for the waterbody, such as to attain good status by 2015.   Each waterbody has been assessed on an ‘EA\_WB\_ID’ basis, which is a unique identifier that enables a link to transitional waterbody geometry.  **Issues to Note**  This AfA has been reinstated from previously been categorised as obsolete AfA.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBC  **Update frequency**  N/A  **Supply frequency**  Annually  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| NAME | The name of the waterbody | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast or transitional | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in ID | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | Description of the waterbody's characteristics (ID). | **Y** | **Y** | **Y** |
| TYPE\_DESC | Description of the waterbody's characteristics. E.g. Exposed, Macrotidal. | **Y** | **Y** | **Y** |
| HYDRO\_STAT | Whether the waterbody is natural, heavily modified etc. | **Y** | **Y** | **Y** |
| PA | Is the waterbody a protected area? | **Y** | **Y** | **Y** |
| PABW | Is the waterbody a Bathing Waters Directive protected area? | **Y** | **Y** | **Y** |
| PADW | Is the waterbody a Drinking Water Directive protected area? | **Y** | **Y** | **Y** |
| PANI | Is the waterbody Nitrates Directive protected area? |  |  |  |
| PASW | Is the waterbody a Shell Fish Waters Directive protected area? |  |  |  |
| PAUW | Is the waterbody an Urban Waste Water Directive protected area? |  |  |  |
| PAWB | Is the waterbody a Wild Birds Directive protected area? | **Y** | **Y** | **Y** |
| PAHS | Is the waterbody Habitats and Species Directive protected area? | **Y** | **Y** | **Y** |
| RSKOV | The overall risk category for the waterbody. Made up of several risk categories of not achieving good ecological status. [as for most risk assessment data]:   * High Risk * Moderate Risk * Low Risk * No Risk * Not Assessed | **Y** | **Y** | **Y** |
| RSKPNT | Risk to Waterbody from point source pollution. | **Y** | **Y** | **Y** |
| DSD | Risk to Waterbody from dangerous substances. | **Y** | **Y** | **Y** |
| ORG | Risk to Waterbody from organic enrichment. | **Y** | **Y** | **Y** |
| PT\_SAN | Risk to waterbody form sanitary determinands. | **Y** | **Y** | **Y** |
| RSKDFF | Risk to Waterbody from diffuse source pollution. | **Y** | **Y** | **Y** |
| NUTS | Risk to Waterbody from nutrient nitrogen. | **Y** | **Y** | **Y** |
| TBT | Risk to Waterbody from Tributyltin (TBT). | **Y** | **Y** | **Y** |
| RSKWABFL | Risk to Waterbody from Water Abstraction and Flow pressures. | **Y** | **Y** | **Y** |
| ABSTR | Risk to Waterbody from catchment abstraction. | **Y** | **Y** | **Y** |
| COOL | Risk to Waterbody from industrial abstraction. | **Y** | **Y** | **Y** |
| RSKPMOR | Risk to Waterbody from physical and morphological pressures. | **Y** | **Y** | **Y** |
| AGG | Risk to Waterbody from aggregate extraction. | **Y** | **Y** | **Y** |
| DREDG | Risk to Waterbody from dredging. | **Y** | **Y** | **Y** |
| FISH | Risk to Waterbody from fisheries. | **Y** | **Y** | **Y** |
| DISP | Risk to Waterbody from dredge spoils replacement. | **Y** | **Y** | **Y** |
| SHELL | Risk to Waterbody from shellfisheries. | **Y** | **Y** | **Y** |
| WEIR | Risk to Waterbody from weirs and sluices. | **Y** | **Y** | **Y** |
| RSKAL | Risk to Waterbody from alien species. | **Y** | **Y** | **Y** |
| ECO\_CLASS | Ecological classification status of the Waterbody [as with most status measurements]:   * High * Good * Moderate * Poor * Bad * Not Assessed | **Y** | **Y** | **Y** |
| STATPOT | Whether the waterbody ahs an ecological status or an ecological potential. | **Y** | **Y** | **Y** |
| ECO\_BIO | The overall biological status. | **Y** | **Y** | **Y** |
| EcoBio003 | Benthic Invertebrates status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio002 | Fish status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio004 | Macro-algae and angiosperms status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| EcoBio007 | Phytoplankton status, a metric used to assign overall biological status. | **Y** | **Y** | **Y** |
| ECO\_GEN | Overall General Physico-Chem status | **Y** | **Y** | **Y** |
| EcoPhyG005 | Dissolved oxygen status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| EcoPhyG004 | Nitrogen status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| ECO\_HM | Overall hydromorphology status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| EcoHyd001 | Hydrology status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| EcoHyd002 | Morphology status, a metric used to assign overall general Physio-Chem status. | **Y** | **Y** | **Y** |
| Annex8Chem | Overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS003 | 2, 4-dichlorophenol status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS004 | 2, 4-dichlorophenoxyacetic acid status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS008 | Arsenic status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS012 | Chlorine status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS016 | Copper status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS017 | Cyanide status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS019 | Cypermethrin status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS020 | Diazinon status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS022 | Dimethoate status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS024 | Iron status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS025 | Linuron status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS028 | Mecoprop status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS029 | Permethrin status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS030 | Phenol status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS032 | Toluene status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS037 | Zinc status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| EcoPhyS038 | Ammonia status, a metric used to assign overall specific pollutants status. | **Y** | **Y** | **Y** |
| CHEM\_CLASS | Chemical classification status of the Waterbody. | **Y** | **Y** | **Y** |
| CHEM\_PR | Overall priority substances class | **Y** | **Y** | **Y** |
| ChemPrioN001 | Aldrin, Dieldrin, Endrin & Isodrin status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN002 | Carbon Tetrachloride status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN003 | DDT Total status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN004 | para - para DDT status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN005 | Tetrachloroethylene status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| ChemPrioN006 | Trichloroethylene status, a metric used to assign overall priority pollutants status. | **Y** | **Y** | **Y** |
| CHEM\_PHZ | Overall priority hazardous substances class. | **Y** | **Y** | **Y** |
| ChemPrioH001 | 1, 2-dichloroethane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH003 | Anthracene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH004 | Atrazine status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH005 | Benzene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH006 | Benzo (a) and (k) fluoranthene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH007 | Benzo (ghi) perelyene and indeno (123-cd) pyrene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH008 | Benzo(a)pyrene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH009 | Cadmium And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH011 | Chlorfenvinphos status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH013 | Chlorpyrifos status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH014 | Di(2-ethylhexyl)phthalate status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH015 | Dichloromethane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH016 | Diuron status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH017 | Endosulfan status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH018 | Fluoranthene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH019 | Hexachlorobenzene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH020 | Hexachlorobutadiene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH021 | Hexachlorocyclohexane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH022 | Isoproturon status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH023 | Lead And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH024 | Mercury And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH025 | Napthalene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH026 | Nickel And Its Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH027 | Nonylphenol status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH028 | Octylphenol status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH031 | Pentachlorobenzene status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH032 | Pentachlorophenol status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH033 | Simazine status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH034 | Tributyltin Compounds status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH035 | Trichlorobenzenes status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH036 | Trichloromethane status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ChemPrioH037 | Trifluralin status, a metric used to assign overall hazardous substances status. | **Y** | **Y** | **Y** |
| ECOPRED15 | The ecological status the water body may reach by 2015 | **Y** | **Y** | **Y** |
| CHEMPRED15 | The chemical status the water body may reach by 2016 | **Y** | **Y** | **Y** |
| OVOBJ | The overall status objective for the waterbody. | **Y** | **Y** | **Y** |
| ECOOBJ | The ecological status objective for the waterbody. | **Y** | **Y** | **Y** |
| CHEMOBJ | The chemical status objective for the waterbody. | **Y** | **Y** | **Y** |
| ECOREASON | The reason why a waterbody doesn't have an ecological objective of good by 2015. | **Y** | **Y** | **Y** |
| CHEMREASON | The reason why a waterbody doesn't have a chemical objective of good by 2015. | **Y** | **Y** | **Y** |
| OVREASON | The reason why a waterbody doesn't have an objective of good by 2015. | **Y** | **Y** | **Y** |
| N\_MEAS | Number of local action applicable to this waterbody. | **Y** | **Y** | **Y** |

### 

# WATER FRAMEWORK DIRECTIVE - CYCLE 2

### WFD Abstraction Risk Assessments 2012 to 2027 – Lakes (AfA303)

|  |
| --- |
| **Description**  This dataset shows the likelihood of river and lake water bodies achieving or failing the relevant Water Framework Directive (WFD) objectives in 2027 as a result of artificial influences on flows.  It also shows the risk of deterioration in WFD water bodies as a result of artificial influences on flows up to 2027.  These data were produced using a consistent methodology, described in the document:  Risk Assessment Method - Abstraction and flow regulation in rivers, lakes and transitional water bodies: risk of not achieving status objectives and risk of deterioration from current status (file name 20130501\_WR SW WB RA tech method v2).  This AfA covers data for Lakes. Rivers are covered under AfA302, and Transitional Waters, such as Estuaries, under AfA304.  **Issues to Note**  Reviewer name is not cleared for release.  If supplying an updated version, ensure that ‘Further Comments / Justification‘ field had been checked, or omit this field.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={8DD9D366-3CA7-42F9-A82F-9E2CF3C3B8C1}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b8DD9D366-3CA7-42F9-A82F-9E2CF3C3B8C1%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **readme** | | | | |
|  | A spreadsheet table showing how categories of Deterioration Risk have been assigned. | **Y** | **Y** | **Y** |
| **Lakes** | | | | |
| River Basin District | The name of the River Basin District the water body is in. | **Y** | **Y** | **Y** |
| EA Region | The name of the Environment Agency Region the water body is in. | **Y** | **Y** | **Y** |
| EA WB ID (cycle 1) | The reference number of this water body in the Environment Agency WFD referencing system. | **Y** | **Y** | **Y** |
| EA WB ID (cycle 2) | Originally empty. This field is populated with any amendments to Waterbody ID, when these are reviewed. | **Y** | **Y** | **Y** |
| Water Body Name | The name of this water body in the Environment Agency WFD referencing system. | **Y** | **Y** | **Y** |
| CAMS | The name of the Catchment Abstraction Management Strategy (CAMS) area the water body is in. | **Y** | **Y** | **Y** |
| WFD Catchment | The name of the Water Framework Directive Catchment the water body lies within. | **Y** | **Y** | **Y** |
| Water Company Area | Water Company area this water body is in (there may be duplicate lines where more than one company covers this water body) | **Y** | **Y** | **Y** |
| Water Body Type | Designation of the Water Body (River/Lake/Tidal) | **Y** | **Y** | **Y** |
| First CAMS AP Downstream | The CAMS Assessment Point downstream of the waterbody. | **Y** | **Y** | **Y** |
| Current Eco-Stat Results | Ecological Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| Current Bio | Biological Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| Current Phys Chem | Physical Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| Current Hydro Morph | Hydrological Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| LDE Flag | Indicates whether water body is classified as maintaining a Level Dependent Ecosystem (LDE) | **Y** | **Y** | **Y** |
| LDE Name | Name of LDE, if applicable | **Y** | **Y** | **Y** |
| Power Generation Flag | Power Station AbstractionSignificant power station abstraction present | **Y** | **Y** | **Y** |
| Ledger Name | The name of the detailed CAMS ledger from which abstraction and discharge data was taken | **Y** | **Y** | **Y** |
| Date Uploaded | Date abstraction and discharge information was extracted from the ledger | **Y** | **Y** | **Y** |
| A numeric category and corresponding colour is assigned to each water body to indicate its CAMS status: these are:   * 1 (Grey): >10% above natural, * 2 (Green): FL>EFI, * 3 (Yellow): FL<EFI, * 4 (Orange): FL<<EFI, * 5 (Red): RA<EFI, * 6 (Purple): RA<EFI-25% | | | | |
| CAMS Colour - Q95 | Colour assigned to CAMS area. Dependent upon deviation of Q95 (the flow exceeded 95% of the time) Recent Actual flows from that required to meet Environmental Flow Indicator (EFI). | **Y** | **Y** | **Y** |
| CAMS Colour Q95 Number | Number assigned to CAMS area. Dependent upon deviation of Q95 Recent Actual flows from that required to meet Environmental Flow Indicator (EFI). | **Y** | **Y** | **Y** |
| CAMS Colour Q70 | As above, but for Q70 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q70 | As above, but for Q70 | **Y** | **Y** | **Y** |
| CAMS Colour Q50 | As above, but for Q50 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q50 | As above, but for Q50 | **Y** | **Y** | **Y** |
| CAMS Colour Q30 | As above but for Q30 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q30 | As above but for Q30 | **Y** | **Y** | **Y** |
| WFD Compliance Results - June 12 | Flow compliance band for supporting Good Ecological Status (GES). Indicates extent to which flows are a problem in achieving Good Ecological Status. | **Y** | **Y** | **Y** |
| WFD Compliance Results - BAU 2027 | Flow compliance band for supporting Good Ecological Status (GES). Indicates extent to which flows are projected to be a problem in achieving Good Ecological Status in 2027, assuming standard projections for usage (Business As Usual). | **Y** | **Y** | **Y** |
| WFD Compliance Results - BAU 2027 PWS Fully Licenced | Predicted compliance band for meeting WFD criteria in 2027, when Public Water Supply Abstractions are set to Fully Licensed volumes. | **Y** | **Y** | **Y** |
| Range of Deficit Change from 2012 to 2027 as % of Natural Flow | Extent to which the deficit is projected to have increased in 2027. Negative numbers represent a projected decrease in deficit. | **Y** | **Y** | **Y** |
| Risk of Deterioration - BAU 2027 | Overall category of Deterioration Risk, as described in attribute 0, above, | **Y** | **Y** | **Y** |
| Revised Deterioration Risk Result | Revised Risk Result following consideration of any additional local information, investigations etc. | **Y** | **Y** | **Y** |
| Justification for Deterioration Risk Change | User input reason for revising Risk of Deterioration. | **Y** | **Y** | **Y** |
| Risk of not supporting GES - 2027 | Risk of not meeting GES in 2027 has been assigned according to the change in WFD Compliance Bands between June 2012 and the Business as Usual 2027 scenario. | **Y** | **Y** | **Y** |
| New GES Risk Result | Amended classification of GES unsupported risk. | **Y** | **Y** | **Y** |
| Justification for GES Risk Change | Reason for amending GES unsupported risk | **Y** | **Y** | **Y** |
| Further Comments / Justification | User input any further comments or justification of corrections. | **Y** | **Y** | **Y** |
| Reviewer Name | Name of EA staff member who reviewed this entry. | **N** | **N** | **N** |

### WFD Abstraction Risk Assessments 2012 to 2027 – Rivers (AfA302)

|  |
| --- |
| **Description**  This dataset shows the likelihood of river and lake water bodies achieving or failing the relevant Water Framework Directive (WFD) objectives in 2027 as a result of artificial influences on flows.  It also shows the risk of deterioration in WFD water bodies as a result of artificial influences on flows up to 2027.  These data were produced using a consistent methodology, described in the document:  Risk Assessment Method - Abstraction and flow regulation in rivers, lakes and transitional water bodies: risk of not achieving status objectives and risk of deterioration from current status (file name 20130501\_WR SW WB RA tech method v2).  This AfA covers data for Rivers. Lakes are covered under AfA303, and Transitional Waters, such as Estuaries, under AfA304.  **Issues to Note**  Reviewer name is not cleared for release.  If supplying an updated version, ensure that ‘Further Comments / Justification‘ field had been checked, or omit this field.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={548922C4-093B-4655-A34D-C39220B517B1}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b548922C4-093B-4655-A34D-C39220B517B1%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **readme** | | | | |
|  | A spreadsheet table showing how categories of Deterioration Risk have been assigned. | **Y** | **Y** | **Y** |
| **Rivers** | | | | |
| River Basin District | The name of the River Basin District the water body is in. | **Y** | **Y** | **Y** |
| EA Region | The name of the Environment Agency Region the water body is in. | **Y** | **Y** | **Y** |
| EA WB ID (cycle 1) | The reference number of this water body in the Environment Agency WFD referencing system. | **Y** | **Y** | **Y** |
| EA WB ID (cycle 2) | Originally empty. This field is populated with any amendments to Waterbody ID, when these are reviewed. | **Y** | **Y** | **Y** |
| Water Body Name | The name of this water body in the Environment Agency WFD referencing system. | **Y** | **Y** | **Y** |
| CAMS | The name of the Catchment Abstraction Management Strategy (CAMS) area the water body is in. | **Y** | **Y** | **Y** |
| WFD Catchment | The name of the Water Framework Directive Catchment the water body lies within. | **Y** | **Y** | **Y** |
| Water Company Area | Water Company area this water body is in (there may be duplicate lines where more than one company covers this water body) | **Y** | **Y** | **Y** |
| Water Body Type | Designation of the Water Body (River/Lake/Tidal) | **Y** | **Y** | **Y** |
| First CAMS AP Downstream | The CAMS Assessment Point downstream of the waterbody. | **Y** | **Y** | **Y** |
| Current Eco-Stat Results | Ecological Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| Current Bio | Biological Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| Current Phys Chem | Physical Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| Current Hydro Morph | Hydrological Classification of waterbody within WFD. | **Y** | **Y** | **Y** |
| LDE Flag | Indicates whether water body is classified as maintaining a Level Dependent Ecosystem (LDE) | **Y** | **Y** | **Y** |
| LDE Name | Name of LDE, if applicable | **Y** | **Y** | **Y** |
| Power Generation Flag | Power Station AbstractionSignificant power station abstraction present | **Y** | **Y** | **Y** |
| Ledger Name | The name of the detailed CAMS ledger from which abstraction and discharge data was taken | **Y** | **Y** | **Y** |
| Date Uploaded | Date abstraction and discharge information was extracted from the ledger | **Y** | **Y** | **Y** |
| A numeric category and corresponding colour is assigned to each water body to indicate its CAMS status: these are:   * 1 (Grey): >10% above natural, * 2 (Green): FL>EFI, * 3 (Yellow): FL<EFI, * 4 (Orange): FL<<EFI, * 5 (Red): RA<EFI, * 6 (Purple): RA<EFI-25% | | | | |
| CAMS Colour - Q95 | Colour assigned to CAMS area. Dependent upon deviation of Q95 (the flow exceeded 95% of the time) Recent Actual flows from that required to meet Environmental Flow Indicator (EFI). | **Y** | **Y** | **Y** |
| CAMS Colour Q95 Number | Number assigned to CAMS area. Dependent upon deviation of Q95 Recent Actual flows from that required to meet Environmental Flow Indicator (EFI). | **Y** | **Y** | **Y** |
| CAMS Colour Q70 | As above, but for Q70 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q70 | As above, but for Q70 | **Y** | **Y** | **Y** |
| CAMS Colour Q50 | As above, but for Q50 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q50 | As above, but for Q50 | **Y** | **Y** | **Y** |
| CAMS Colour Q30 | As above but for Q30 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q30 | As above but for Q30 | **Y** | **Y** | **Y** |
| WFD Compliance Results - June 12 | Flow compliance band for supporting Good Ecological Status (GES). Indicates extent to which flows are a problem in achieving Good Ecological Status. | **Y** | **Y** | **Y** |
| WFD Compliance Results - BAU 2027 | Flow compliance band for supporting Good Ecological Status (GES). Indicates extent to which flows are projected to be a problem in achieving Good Ecological Status in 2027, assuming standard projections for usage (Business As Usual). | **Y** | **Y** | **Y** |
| WFD Compliance Results - BAU 2027 PWS Fully Licenced | Predicted compliance band for meeting WFD criteria in 2027, when Public Water Supply Abstractions are set to Fully Licensed volumes. | **Y** | **Y** | **Y** |
| Range of Deficit Change from 2012 to 2027 as % of Natural Flow | Extent to which the deficit is projected to have increased in 2027. Negative numbers represent a projected decrease in deficit. | **Y** | **Y** | **Y** |
| Risk of Deterioration - BAU 2027 | Overall category of Deterioration Risk, as described in attribute 0, above, | **Y** | **Y** | **Y** |
| Revised Deterioration Risk Result | Revised Risk Result following consideration of any additional local information, investigations etc. | **Y** | **Y** | **Y** |
| Justification for Deterioration Risk Change | User input reason for revising Risk of Deterioration. | **Y** | **Y** | **Y** |
| Risk of not supporting GES - 2027 | Risk of not meeting GES in 2027 has been assigned according to the change in WFD Compliance Bands between June 2012 and the Business as Usual 2027 scenario. | **Y** | **Y** | **Y** |
| New GES Risk Result | Amended classification of GES unsupported risk. | **Y** | **Y** | **Y** |
| Justification for GES Risk Change | Reason for amending GES unsupported risk | **Y** | **Y** | **Y** |
| Further Comments / Justification | User input any further comments or justification of corrections. | **Y** | **Y** | **Y** |
| Reviewer Name | Name of EA staff member who reviewed this entry. | **N** | **N** | **N** |

### 

### WFD Abstraction Risk Assessments 2012 to 2027 – Transitional (AfA304)

|  |
| --- |
| **Description**  This dataset shows the likelihood of river and lake water bodies achieving or failing the relevant Water Framework Directive (WFD) objectives in 2027 as a result of artificial influences on flows.  It also shows the risk of deterioration in WFD water bodies as a result of artificial influences on flows up to 2027.  These data were produced using a consistent methodology, described in the document:  Risk Assessment Method - Abstraction and flow regulation in rivers, lakes and transitional water bodies: risk of not achieving status objectives and risk of deterioration from current status (file name 20130501\_WR SW WB RA tech method v2).  This AfA covers data for Transitional Waters, such as Estuaries, Rivers are covered under AfA302 and Lakes under AfA303.  **Issues to Note**  Reviewer name is not cleared for release.  If supplying an updated version, ensure that ‘Further Comments / Justification‘ field had been checked, or omit this field.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={87600ABD-C03F-4519-A663-62CB205453BF}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b87600ABD-C03F-4519-A663-62CB205453BF%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  **Format Supplied**  Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- | --- |
| **readme** | | | | | |
|  | A spreadsheet table showing how categories of Deterioration Risk have been assigned. | | **Y** | **Y** | **Y** |
| **Transitional** | | | | | |
| River Basin District | The name of the River Basin District the water body is in. | | **Y** | **Y** | **Y** |
| EA Region | The name of the Environment Agency Region the water body is in. | | **Y** | **Y** | **Y** |
| EA WB ID (cycle 1) | The reference number of this water body in the Environment Agency WFD referencing system. | | **Y** | **Y** | **Y** |
| EA WB ID (cycle 2) | Originally empty. This field is populated with any amendments to Waterbody ID, when these are reviewed. | | **Y** | **Y** | **Y** |
| Water Body Name | The name of this water body in the Environment Agency WFD referencing system. | | **Y** | **Y** | **Y** |
| CAMS | The name of the Catchment Abstraction Management Strategy (CAMS) area the water body is in. | | **Y** | **Y** | **Y** |
| WFD Catchment | The name of the Water Framework Directive Catchment the water body lies within. | | **Y** | **Y** | **Y** |
| Water Company Area | Water Company area this water body is in (there may be duplicate lines where more than one company covers this water body) | | **Y** | **Y** | **Y** |
| Water Body Type | Designation of the Water Body (River/Lake/Tidal) | | **Y** | **Y** | **Y** |
| First CAMS AP Downstream | The CAMS Assessment Point downstream of the waterbody. | | **Y** | **Y** | **Y** |
| Current Eco-Stat Results | Ecological Classification of waterbody within WFD. | | **Y** | **Y** | **Y** |
| Current Bio | Biological Classification of waterbody within WFD. | | **Y** | **Y** | **Y** |
| Current Phys Chem | Physical Classification of waterbody within WFD. | | **Y** | **Y** | **Y** |
| Current Hydro Morph | Hydrological Classification of waterbody within WFD. | | **Y** | **Y** | **Y** |
| LDE Flag | Indicates whether water body is classified as maintaining a Level Dependent Ecosystem (LDE) | | **Y** | **Y** | **Y** |
| LDE Name | Name of LDE, if applicable | | **Y** | **Y** | **Y** |
| Power Generation Flag | Power Station AbstractionSignificant power station abstraction present | | **Y** | **Y** | **Y** |
| Ledger Name | The name of the detailed CAMS ledger from which abstraction and discharge data was taken | | **Y** | **Y** | **Y** |
| Date Uploaded | Date abstraction and discharge information was extracted from the ledger | | **Y** | **Y** | **Y** |
| A numeric category and corresponding colour is assigned to each water body to indicate its CAMS status: these are:   * 1 (Grey): >10% above natural, * 2 (Green): FL>EFI, * 3 (Yellow): FL<EFI, * 4 (Orange): FL<<EFI, * 5 (Red): RA<EFI, * 6 (Purple): RA<EFI-25% | | | | | |
| CAMS Colour - Q95 | | Colour assigned to CAMS area. Dependent upon deviation of Q95 (the flow exceeded 95% of the time) Recent Actual flows from that required to meet Environmental Flow Indicator (EFI). | **Y** | **Y** | **Y** |
| CAMS Colour Q95 Number | | Number assigned to CAMS area. Dependent upon deviation of Q95 Recent Actual flows from that required to meet Environmental Flow Indicator (EFI). | **Y** | **Y** | **Y** |
| CAMS Colour Q70 | | As above, but for Q70 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q70 | | As above, but for Q70 | **Y** | **Y** | **Y** |
| CAMS Colour Q50 | | As above, but for Q50 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q50 | | As above, but for Q50 | **Y** | **Y** | **Y** |
| CAMS Colour Q30 | | As above but for Q30 | **Y** | **Y** | **Y** |
| CAMS Colour Number Q30 | | As above but for Q30 | **Y** | **Y** | **Y** |
| WFD Compliance Results - June 12 | | Flow compliance band for supporting Good Ecological Status (GES). Indicates extent to which flows are a problem in achieving Good Ecological Status. | **Y** | **Y** | **Y** |
| WFD Compliance Results - BAU 2027 | | Flow compliance band for supporting Good Ecological Status (GES). Indicates extent to which flows are projected to be a problem in achieving Good Ecological Status in 2027, assuming standard projections for usage (Business As Usual). | **Y** | **Y** | **Y** |
| WFD Compliance Results - BAU 2027 PWS Fully Licenced | | Predicted compliance band for meeting WFD criteria in 2027, when Public Water Supply Abstractions are set to Fully Licensed volumes. | **Y** | **Y** | **Y** |
| Range of Deficit Change from 2012 to 2027 as % of Natural Flow | | Extent to which the deficit is projected to have increased in 2027. Negative numbers represent a projected decrease in deficit. | **Y** | **Y** | **Y** |
| Risk of Deterioration - BAU 2027 | | Overall category of Deterioration Risk, as described in attribute 0, above, | **Y** | **Y** | **Y** |
| Revised Deterioration Risk Result | | Revised Risk Result following consideration of any additional local information, investigations etc. | **Y** | **Y** | **Y** |
| Justification for Deterioration Risk Change | | User input reason for revising Risk of Deterioration. | **Y** | **Y** | **Y** |
| Risk of not supporting GES - 2027 | | Risk of not meeting GES in 2027 has been assigned according to the change in WFD Compliance Bands between June 2012 and the Business as Usual 2027 scenario. | **Y** | **Y** | **Y** |
| New GES Risk Result | | Amended classification of GES unsupported risk. | **Y** | **Y** | **Y** |
| Justification for GES Risk Change | | Reason for amending GES unsupported risk | **Y** | **Y** | **Y** |
| Further Comments / Justification | | User input any further comments or justification of corrections. | **Y** | **Y** | **Y** |
| Reviewer Name | | Name of EA staff member who reviewed this entry. | **N** | **N** | **N** |

### 

### WFD Classification Status Cycle 2 (AfA450)

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| --- |
| **Description**  The Water Framework Directive 2000/60/EC (WFD) Classification Status Cycle 2 dataset contains classification status for water bodies in England reported from 2013 onwards.  For explanations of ecological status and chemical status used in the attribute table, please refer to WFD Article 2 and Annexes V, VIII and X.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  None  **Data Contact / Supply**  DataShare  **Format Supplied**  Microsoft Excel  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| COUNTRY | The country in which the water body resides | **Y** | **Y** | **Y** |
| RBD\_NAME | The name of the River Basin District in which the water body resides | **Y** | **Y** | **Y** |
| AREA\_NAME | The name of the Environment Agency Area in which the water body resides | **Y** | **Y** | **Y** |
| MNCAT\_NAME | The name of the Management Catchment in which the water body resides | **Y** | **Y** | **Y** |
| OPCAT\_NAME | The name of the Operational Catchment in which the water body resides | **Y** | **Y** | **Y** |
| WB\_ID | The unique identifier for each water body | **Y** | **Y** | **Y** |
| WB\_NAME | The name of the water body | **Y** | **Y** | **Y** |
| WB\_CAT | The water category type of the water body e.g. River, Lake, Coastal | **Y** | **Y** | **Y** |
| HMD\_NAME | The hydromorphological designation of the water body e.g. Heavily Modified | **Y** | **Y** | **Y** |
| OV\_CLASS | The Overall Water Body status e.g. good, moderate | **Y** | **Y** | **Y** |
| ECO\_CLASS | The Ecological status or potential e.g. good, moderate | **Y** | **Y** | **Y** |
| ECO\_LESS | Certainty of Ecological status or potential where it is less than good e.g. uncertain, very certain | **Y** | **Y** | **Y** |
| CHEM\_CLASS | The Chemical status i.e. good or fail, derived from PHS/PS (priority hazardous substance/Priority Substances) classifications | **Y** | **Y** | **Y** |
| CHEM\_LESS | Certainty of Chemical status where it is less than good e.g. uncertain, very certain | **Y** | **Y** | **Y** |
| ANG\_CLASS | The Angiosperms element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| CHI\_CLASS | The Chironomids element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| FISH\_CLASS | The Fish element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| INV\_CLASS | The Invertebrates element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| LIT\_CLASS | The Littoral Invertebrates element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| ALG\_CLASS | The Macroalgae element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| COM\_CLASS | The Macrophytes & Phytobenthos element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| PHY\_CLASS | The Phytoplankton Blooms element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| ANC\_CLASS | The Acid Neutralising Capacity element level Classification Status e.g. good, high | **Y** | **Y** | **Y** |
| AMM\_CLASS | The Ammonia (Phys-Chem) element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| BOD\_CLASS | The Biological Oxygen Demand element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| DIN\_CLASS | The Dissolved Inorganic Nitrogen element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| DIS\_CLASS | The Dissolved Oxygen element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| PH\_CLASS | The pH element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| PHO\_CLASS | The Phosphate element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| TEM\_CLASS | The Temperature element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| TP\_CLASS | The Total Phosphorus element level Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| PHS\_CLASS | The Priority Hazardous Substances component level Classification Status e.g. good, fail | **Y** | **Y** | **Y** |
| PS\_CLASS | The Priority Substances component level Classification Status e.g. good, fail | **Y** | **Y** | **Y** |
| OP\_CLASS | The Other Pollutants component level Classification Status | **Y** | **Y** | **Y** |
| SP\_CLASS | The Specific Pollutants component level Classification Status e.g. high, moderate | **Y** | **Y** | **Y** |
| OS\_CLASS | The Other Substances component level Classification Status | **Y** | **Y** | **Y** |
| EXJ\_CLASS | The Expert Judgement Classification Status e.g. good, moderate | **Y** | **Y** | **Y** |
| REG\_CLASS | The Hydrological Regime Classification Status e.g. high, supports good | **Y** | **Y** | **Y** |
| MMA\_CLASS | The Mitigation Measures Assessment Classification Status e.g. good, moderate or less | **Y** | **Y** | **Y** |
| MOR\_CLASS | The Morphology Classification Status e.g. high, supports good | **Y** | **Y** | **Y** |
| OR\_CLASS | Where heavily modified water bodies (HMWBs) do not currently have an assessment of mitigation measures and all other elements are at High Status, an override is used to default these water bodies to Good Potential. HMWBs can only ever achieve a Good Ecological Potential, so in the absence of a mitigation measures assessment which would normally drive either good or moderate potential in such cases, an override is required. | **Y** | **Y** | **Y** |

### WFD Coastal Waterbodies Cycle 2 (AfA350)

|  |
| --- |
| **Description**  WFD Coastal Waterbodies’ is a polygon Shapefile dataset containing attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 7 of the WFD defines coastal waterbodies as ‘…a surface water on the landward side of a line, every point of which is at a distance of one nautical mile on the seaward side from the nearest point of the baseline from which the breadth of territorial waters is measured, extending where appropriate up to the outer limit of transitional waters’. Coastal waters were defined by territorial waters 1 nautical mile from the Mean High Water coastline taken directly from OS 1:50K MeridianTM 2. The delineation between coastal and estuarine waters was delineated by the Environment Agency defined transitional waterbodies. Waterbodies are also split and assigned to River Basin Districts.    Since waterbodies are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives.  This dataset covers the layer for Cycle 2 of the Water framework Directive. The equivalent layer for Cycle 1 is covered under AfA088.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B0FFDC79B-E3CA-4D7E-83E9-DDB1EDE03A23%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. Exposed, Macrotidal. | **Y** | **Y** | **Y** |

### WFD Groundwater Bodies Cycle 2 Draft (AfA293)

|  |
| --- |
| **Description**  The ‘1:50k WFD Groundwaterbodies’ is a polygon dataset which has been created for the implementation of the Water Framework Directive (WFD). Article 2, clause 2 of the WFD defines them as ‘…all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil’. For the purposes of reporting under the WFD a groundwater body represent a distinct body of groundwater flow with a coherent flow unit including recharge and discharge areas with little flow across the boundaries. These reflect hydrogeological characteristics containing information on flow and stage properties, recharge and vulnerability to pollution. This has been undertaken through defining aquifers into different types and broken into catchment units at Catchment Abstraction Management Strategy (CAMS) scale.  The primary input dataset is ‘1:625K Classified Aquifer Geology’ that has been constructed by the Environment Agency. This dataset has been digitised directly from the hard copy ‘1:250K Solid Geology Map’ and classified according to aquifer type and are therefore directly derived from the underlying BGS data. These classifications were verified by the British Geology Survey (BGS). These data have gone out for consultation at Area level and in some instances 1:50K Solid Geology has been used to define localised boundaries.  Since waterbodies are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives.  The ‘WFD Groundwaterbody Cycle 2 Draft’ is actually just an update of the geometries previously supplied as part of AfA090 1:50k WFD Groundwater bodies. It is being AFAd and supplied as a separate dataset in order to allow co-deliverers to quality assure the waterbodies before cycle 2 of the WFD commences.  References to Environment Agency Areas and Regions and country have been added to provide a uniform set of attributes with other cycle 2 draft waterbodies and to aid end user use.  **Issues to Note**  These data are available on the DataShare site under a Statutory Licence with a Special Condition regarding third party IPR.  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={ECC43A59-BE66-4906-913F-7B9E32A05B8A}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bECC43A59-BE66-4906-913F-7B9E32A05B8A%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  OS and BGS  **Data Contact / Supply**  Data and Information Management  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  Needed but not pre-drafted  **Information Warning**  None  **Guidance**  This product is approved for display on WIYBY and licensing to WFD CoDeliverers only. Other licensing would require permission from BGS and OS. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **N** | **N** | **N** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| AREA\_ID | The Environment Agency ID for the EA Area the water body is in. | **Y** | **Y** | **Y** |
| AREA\_NAME | The name of the EA Area the water body is in. | **Y** | **Y** | **Y** |
| REGION\_ID | The Environment Agency ID for the EA Region the water body is in. | **Y** | **Y** | **Y** |
| REGION\_NAME | The name of EA Region the water body is in | **Y** | **Y** | **Y** |
| COUNTRY | The country the water body is in | **Y** | **Y** | **Y** |

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### WFD Lake Waterbodies Cycle 2 (AfA349)

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| --- |
| **Description**  WFD Lake Waterbodies’ is a polygon Shapefile dataset containing Water Framework Directive (WFD) attributes that have been collated as defined for the implementation of the Water Framework Directive. Article 2, clause 5 of the WFD defines them as ‘…a body of standing inland surface water’. There is data on the physical characteristics, risk, classification and proposed objectives that can be linked to waterbodies by their unique identifiers. Artificial and modified lake waterbodies are included within this dataset, however, generally only lakes above > 50 hectares were assessed under the WFD except for lakes in protected areas, where a minimum of 5.0ha was used. Lakes below this threshold are not included within this dataset unless allocated as Sites of Special Scientific Interest (SSSI) as supplied by Natural England.  Each waterbody has been assigned ‘EA\_WB\_ID’, which is a unique identifier that enables a link to WFD attributes.  These data apply to Cycle 2 of the Water Framework Directive. The equivalent layer for Cycle 1 is covered by AfA083.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B749A7E59-DC83-4AAE-9108-F82BFAE9CC5E%7D](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B749A7E59-DC83-4AAE-9108-F82BFAE9CC5E%7D%20%20%20)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  N/A  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What type of waterbody it is: coast, river, transitional. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. shallow, small siliceous lake. | **Y** | **Y** | **Y** |

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### WFD Management Catchments Cycle 2 (AfA433)

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| --- |
| **Description**  Management Catchments are the geographical units for which action plans are drafted in implementing the Water framework Directive (WFD).  WFD Management Catchments have an action plan published that relates to all waterbodies that fall within its boundaries.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBA](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B92876795-4704-4B7B-A3B2-D322AFE61107%7D)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier | **Y** | **Y** | **Y** |
| ManCatID | The management catchment ID. | **Y** | **Y** | **Y** |
| ManCatName | The management catchment name | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |

### WFD Operational Catchments Cycle 2 (AfA428)

|  |
| --- |
| **Description**  This information is currently in draft form.  WFD (Water Framework Directive) Operational Catchments (Cycle 2) show how WFD work is grouped geographically for practical management purposes.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B92876795-4704-4B7B-A3B2-D322AFE61107%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shapefile |  | **Y** | **Y** | **Y** |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| OBCATID | The Unique identifier for each operational catchment | **Y** | **Y** | **Y** |
| OPCATName | The name of the operational catchment | **Y** | **Y** | **Y** |
| ManCatID | Reference of the main catchment that this operational catchment falls within | **Y** | **Y** | **Y** |
| ManCatName | Name of the main catchment that this operational catchment falls within | **Y** | **Y** | **Y** |
| Shape\_Length | Auto-generated object length of perimeter of polygon in metres. | **Y** | **Y** | **Y** |
| Shape\_Area | Auto-generated object area in metres squared. | **Y** | **Y** | **Y** |

### WFD River Basin Districts Cycle 2 (AfA432)

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| --- |
| **Description**  River Basin Districts are the geographical units showing the area of land and sea, made up of one or more neighbouring river basins together with their associated groundwaters and coastal waters for assessment and action under the Water Framework Directive.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [TBA](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B92876795-4704-4B7B-A3B2-D322AFE61107%7D)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  None  **Data Contact / Supply**  Datashare  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| RBD\_ID | The ID number of the River Basin District | **Y** | **Y** | **Y** |
| RBD\_NAME | The Name of the River Basin District | **Y** | **Y** | **Y** |

### WFD River WaterBodies Cycle 2 (AfA292)

|  |
| --- |
| **Description**  This dataset is a GIS layer identifying the river waterbodies managed under the Water Framework Directive and any related programmes.  ‘WFD River Waterbodies Cycle 2’ is a subset extracted from the Environment Agency’s Detailed River Network.  Please note that this content contains Ordnance Survey data © Crown copyright and database right [year of first publication] and you must ensure that a similar attribution statement is contained in any sub-licences of the Information that you grant, together with a requirement that any further sub-licences do the same.  **Issues to Note**  N/A.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BEFDD2333-2169-4A90-9D5E-D2E3F498705B%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  **Data Contact / Supply**  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  N/A  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| OBJECTID | Internal ArcSDE unique Object identifier | **Y** | **Y** | **Y** |
| SHAPE | Geometry type = Polyline;  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Environment Agency Water Framework Directive water body unique identifier for each water body | **Y** | **Y** | **Y** |
| WB\_NAME | The name of the water body. | **Y** | **Y** | **Y** |
| WATER\_CAT | What category of water body it is ie river, canal, surface water transfer, high level carrier. | **Y** | **Y** | **Y** |
| DS\_WBID | The ID of the water body downstream of current water body | **Y** | **Y** | **Y** |
| RBD | The River Basin District the water body is in (its ID) | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the water body is in. | **Y** | **Y** | **Y** |
| AREA\_ID | The Environment Agency ID for the EA Area the water body is in. | **Y** | **Y** | **Y** |
| AREA\_NAME | The name of the EA Area the water body is in. | **Y** | **Y** | **Y** |
| REGION\_ID | The Environment Agency ID for the EA Region the water body is in. | **Y** | **Y** | **Y** |
| REGION\_NAME | The name of EA Region the water body is in | **Y** | **Y** | **Y** |
| COUNTRY | The country the water body is in | **Y** | **Y** | **Y** |
| Length | Double: Auto-generated object length in metres. | **Y** | **Y** | **Y** |

### 

### WFD River Waterbody Catchments Cycle 2 (AfA291)

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| --- |
| **Description**  The ‘WFD River Waterbody Catchments Cycle 2 Draft’ are a polygon dataset collated as defined for the implementation of the Water Framework Directive. Catchments are defined as an area of land from which all surface run-off flows through a series of streams, rivers and, possibly, lakes to a particular point in the water course such as a river confluence. Since rivers are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to the WFD river waterbody to which it relates.  This dataset was originally created for use by co-deliverers before becoming final for Cycle 2 in 2013.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={0174BA63-85BB-4491-B3A7-1E2C86850FB1}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b0174BA63-85BB-4491-B3A7-1E2C86850FB1%7d&view=fullHtml)  **Update frequency**  N/A  **Supply frequency**  Annual  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Data and Information Management  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| OBJECTID | Object ID: Geometry identifier | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each water body. | **Y** | **Y** | **Y** |
| WB\_NAME | The name of the water body catchment. | **Y** | **Y** | **Y** |
| WATER\_CAT | What category of water body catchment it is, ie river or high level carrier. | **Y** | **Y** | **Y** |
| DS\_WBID | The ID of the water body catchment downstream of current water body catchment. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the water body catchment is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the water body catchment is in. | **Y** | **Y** | **Y** |
| AREA\_ID | The Environment Agency ID for the EA Area the water body catchment is in. | **Y** | **Y** | **Y** |
| AREA\_NAME | The name of the EA Area the water body catchment is in. | **Y** | **Y** | **Y** |
| REGION\_ID | The Environment Agency ID for the EA Region the water body catchment is in. | **Y** | **Y** | **Y** |
| REGION\_NAME | The name of EA Region the water body catchment is in | **Y** | **Y** | **Y** |
| COUNTRY | The country the water body catchment is in | **Y** | **Y** | **Y** |
| Length | Auto-generated object length of perimeter of polygon in metres. | **Y** | **Y** | **Y** |

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### WFD Transitional Waterbodies Cycle 2 (AfA351)

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| **Description**  ‘WFD Transitional (Estuarine) Waterbodies’ is a polygon Shapefile dataset containing attributes that have been collated as defined for the implementation of the Water Framework Directive (WFD). Article 2, clause 6 of the WFD defines them as ‘…bodies of surface water in the vicinity of river mouths which are partly saline in character as a result of their proximity to coastal waters but are substantially influenced by freshwater flows’. Transitional waterbodies were defined from Mean High Water boundaries, taken directly from OS 1:50K MeridianTM 2, and Environment Agency estuarine boundaries defined for the Urban Waste Water Treatment Directive (UWWTD).  Since waterbodies are attributed with a unique identifier (EA\_WB\_ID) this dataset can be linked directly to other WFD data sources such as physical characteristics, risk, classification and proposed objectives.  These data apply to Cycle 2 of the Water Framework Directive. The equivalent layer for Cycle 1 is covered by AfA089.  **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B5D026698-5F6C-4D29-A8EE-CBC8714D9B46%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Datashare  **Format Supplied**  Polygon Shapefile  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polygon;  Spatial Reference = British National Grid. | **Y** | **Y** | **Y** |
| ID | Object ID: Geometry identifier. | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. Exposed, Macrotidal. | **Y** | **Y** | **Y** |

### WFD River Waterbodies – DRN-based (AfA078)

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| --- |
| **Description**  WFD (Water Framework Directive) River Waterbodies’ dataset is a subset extracted from the Environment Agency’s Detailed River Network (DRN).  The DRN is based on the water features theme of the OS MasterMap topographic layer and built into a network using automated rules. Other input datasets and extensive local Environment Agency staff knowledge has been used to augment the core geometry to incorporate critical spatial detail and attribution, such as flow direction and path, not available from the OS mapping and to verify the accuracy of the centreline itself.  This data set is an extract and merge of those sections of the DRN which are identified under the Water Framework Directive. On the DRN a single waterbody may be made of several hundred small sections. After the transformation process, each waterbody will be represented by a single polyline, based on the DRN geometry.  **Issues to Note**  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={AFB13BBB-E668-4909-9287-3C85333D154E}](%20http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7bAFB13BBB-E668-4909-9287-3C85333D154E%7d)  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  Directives Reporting Service (and I: drives)  **Format Supplied**  Polyline shapefile  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| SHAPE | Geometry type = Polyline;  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| ID | Number: Object ID: Geometry identifier | **Y** | **Y** | **Y** |
| EA\_WB\_ID | The Unique identifier for each waterbody. | **Y** | **Y** | **Y** |
| NAME | The name of the waterbody. | **Y** | **Y** | **Y** |
| WATER\_CAT | What category of waterbody it is: river, canal, surface water transfer | **Y** | **Y** | **Y** |
| RBD | The River Basin District the Waterbody is in (ID). | **Y** | **Y** | **Y** |
| RBD\_NAME | The River Basin District the Waterbody is in. | **Y** | **Y** | **Y** |
| CATCHMENT | The river catchment the waterbody is in. | **Y** | **Y** | **Y** |
| TYPE | The type code the waterbody has been classified as. | **Y** | **Y** | **Y** |
| TYP\_DESC | Description of the waterbody's characteristics. E.g. low, small siliceous river. | **Y** | **Y** | **Y** |

### 

# MISCELLANEOUS

### 

### Administrative Boundaries (AfA015)

|  |
| --- |
| **Description**  Environment Agency administrative boundaries set at 1:10,000 scale. These consist of 4 discrete data layers showing:   * Water Management Areas; * Water Management Regions; * Public Face Areas; and * Public Face Regions.   Water management and Public Face boundaries are attributed with the name and address for each head office.  **Issues to Note**  Catchment Abstraction Management Strategy Boundaries have been updated and are not packaged with these data.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={0234586E-4ADA-456B-86C1-67B3553F1F13}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b0234586E-4ADA-456B-86C1-67B3553F1F13%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={B15B3C9B-889F-4600-97BF-0C62E8A80429}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7bB15B3C9B-889F-4600-97BF-0C62E8A80429%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={4E048FB8-33CB-4ADA-8379-10FCDB388229}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b4E048FB8-33CB-4ADA-8379-10FCDB388229%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={98C6B4B4-C45C-4E67-9039-155D88580349}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b98C6B4B4-C45C-4E67-9039-155D88580349%7d&view=fullHtml)  [http://gis-easimap.ea.gov/eametadataexplorer/document?id={477A0475-44DA-4A1B-A9C8-332B4BDB83C7}&view=fullHtml](http://gis-easimap.ea.gov/eametadataexplorer/document?id=%7b477A0475-44DA-4A1B-A9C8-332B4BDB83C7%7d&view=fullHtml)  **Update frequency**  Ad Hoc  **Supply frequency**  Quarterly and ad hoc where changes are required  **Third Party Prior Rights**  None  **Data Contact / Supply**  Data & Information Management – Website  Available on DataShare  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **1:10k Environment Agency Water Management Areas** | | | | |
| AREA\_ID | Water Management Area Identifier | **Y** | **Y** | **Y** |
| AREA\_NAME | Water Management Area Name | **Y** | **Y** | **Y** |
| REG\_ID | Water Management Region Identifier | **Y** | **Y** | **Y** |
| REG\_NAME | Water Management Region Name | **Y** | **Y** | **Y** |
| AREA\_PRP\_N | Water Management Area Office Name | **Y** | **Y** | **Y** |
| AREA\_ADDR1 | Water Management Area Office Address Line 1 | **Y** | **Y** | **Y** |
| AREA\_ADDR2 | Water Management Area Office Address Line 2 | **Y** | **Y** | **Y** |
| AREA\_TOWN | Water Management Area Office Address Town | **Y** | **Y** | **Y** |
| AREA\_PCODE | Water Management Area Office Postcode | **Y** | **Y** | **Y** |
| ALT\_ADDR | Water Management Area Alternative Office Address | **Y** | **Y** | **Y** |
| **1:10k Environment Agency Water Management Regions** | | | | |
| REG\_ID | Water Management Region Identifier | **Y** | **Y** | **Y** |
| REG\_NAME | Water Management Region Name | **Y** | **Y** | **Y** |
| REG\_PROP\_N | Water Management Region Office Name | **Y** | **Y** | **Y** |
| REG\_ADDR\_1 | Water Management Region Office Address Line 1 | **Y** | **Y** | **Y** |
| REG\_ADDR\_2 | Water Management Region Office Address Line 2 | **Y** | **Y** | **Y** |
| REG\_TOWN | Water Management Region Office Address Town | **Y** | **Y** | **Y** |
| REG\_PCODE | Water Management Region Office Postcode | **Y** | **Y** | **Y** |
| **1:10k Environment Agency Public Face Areas** | | | | |
| AREA\_ID | Public Face Area Identifier | **Y** | **Y** | **Y** |
| AREA\_NAME | Public Face Area Name | **Y** | **Y** | **Y** |
| REG\_ID | Public Face Region Identifier | **Y** | **Y** | **Y** |
| REG\_NAME | Public Face Region Name | **Y** | **Y** | **Y** |
| AREA\_PRP\_N | Public Face Area Office Name | **Y** | **Y** | **Y** |
| AREA\_ADDR1 | Public Face Area Office Address Line 1 | **Y** | **Y** | **Y** |
| AREA\_ADDR2 | Public Face Area Office Address Line 2 | **Y** | **Y** | **Y** |
| AREA\_TOWN | Public Face Area Office Address Town | **Y** | **Y** | **Y** |
| AREA\_PCODE | Public Face Area Office Address Postcode | **Y** | **Y** | **Y** |
| ALT\_ADDR | Public Face Alternative Office Address | **Y** | **Y** | **Y** |
| **1:10k Environment Agency Public Face Regions** | | | | |
| REG\_ID | Public Face Region Identifier | **Y** | **Y** | **Y** |
| REG\_NAME | Public Face Region Name | **Y** | **Y** | **Y** |
| REG\_PROP\_N | Public Face Office Name | **Y** | **Y** | **Y** |
| REG\_ADDR\_1 | Public Face Region Office Address Line 1 | **Y** | **Y** | **Y** |
| REG\_ADDR\_2 | Public Face Region Office Address Line 2 | **Y** | **Y** | **Y** |
| REG\_TOWN | Public Face Region Office Address Town | **Y** | **Y** | **Y** |
| REG\_PCODE | Public Face Region Office Postcode | **Y** | **Y** | **Y** |

### 

### Air Quality Modelling and Assessment Unit (AQMAU) Auditing Tool (AfA322)

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| **Description**  Air Quality Modelling and Assessment Unit (AQMAU) Auditing Tool is used by inspectors and Permitting Officers as part of an initial audit to check the validity of a modelling study submitted to the Environment Agency as part of environmental risk assessments.  **Issues to Note**  Does not contain data  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BC9B7D402-72CF-43A3-BAA3-1C5AD7B2972A%7D>    **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Excel spreadsheet  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | AQMAU Auditing Tool | **Y** | **Y** | **Y** |

### Air Quality Modelling and Assessment Unit (AQMAU) Screening Tool (AfA321)

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| **Description**  Air Quality Modelling and Assessment Unit (AQMAU) Screening Tool is used to predict the impact of emissions from industrial sites compared to UK air quality objectives. Used by Inspectors and Permitting Officers as a screening system to establish whether the risk from any particular site or proposed site is sufficient to get our specialist team (AQMAU) involved.  **Issues to Note**  Should not contain data.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BFC4FE012-AAC1-4E6A-9686-7868E3DC9CDE%7D>    **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Excel spreadsheet  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | AQMAU Screening Tool | **Y** | **Y** | **Y** |

### Ammonia Screening Tool (AfA323)

|  |
| --- |
| **Description**  Used to predict the ammonia impact at protected ecological sites due to emissions from intensive agriculture regulated under the Environmental Permitting (EP) Regulations. Used by the National Permitting Service (Intensive Farming Team) in pre-application discussions with farmers to establish the need for any detailed modelling supporting Intensive Farming EP applications.  **Issues to Note**  Does not contain data  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7BEFB94284-BBD3-4B4E-AEE4-A951C5F8FA33%7D>  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Excel spreadsheet  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | Ammonia Screening Tool | **Y** | **Y** | **Y** |

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### Digital Land Utilisation Survey 1933-1949 (AfA213)

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| --- |
| **Description**  These data are a digital version of the 1 inch to 1 mile ‘Dudley Stamp Maps’ that provide a pre-war land survey. These data have been scanned and digitised and contain the following land use classifications:   * Rough Grazing * Urban * Water * Arable * Suburban * Pasture * Woodland * Orchard   **Issues to Note**  N/A  **AfA Category**  AfA (Publication Scheme)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={2F7A393E-EBA1-4D64-80C9-40584766BF2E}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b2F7A393E-EBA1-4D64-80C9-40584766BF2E%7d)  **Update frequency**  Not applicable as these are historical data.  **Supply frequency**  One-off  **Third Party Prior Rights**  Yes  **Data Contact / Supply**  **Format Supplied**  Raster grid  **Special Conditions**  We will need a Special Condition to ensure passing on of the Copyright Statement “The Land Utilisation Survey of Britain, 1933-1949, copyright Audrey N. Clark”.  **Information Warning**  “The Land Utilisation Survey of Britain, 1933-1949, copyright Audrey N. Clark”  **Guidance**  This data is available for non-Commercial licensing to others. The licence we hold is unclear, but the risk of licensing for non-Commercial use is considered acceptable. The data is not available for Commercial licensing and any requests that may include a commercial element should be carefully considered, with a presumption of refusal.  This data should be provided either:  • In fixed format under a Copyright Statement and Disclaimer or a Special Licence Non-Commercial, or  • In digital format under a Special Licence Non-Commercial. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Geometry | Raster Grid  British National Grid | **Y** | **Y** | **N** |
| Land Use Code | Land Classification | **Y** | **Y** | **N** |

### 

### Environment Agency Logo (AfA346)

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| --- |
| **Description**  The Environment Agency logo is a registered trade mark (EU005008594, link [here](http://www.ipo.gov.uk/tmcase/Results/4/EU005008594) to the record on the UK Intellectual Property Office website).  **Issues to Note**  None  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  Not applicable  **Update frequency**  Not applicable  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**    **Format Supplied**  Not available  **Special Conditions**  None  **Information Warning**  S84 Special Conditions applicable if we are adding a logo permission to a Special Licence.  **Guidance**  It is important that we protect our logo as misuse can have a detrimental impact on our reputation; because of this we limit who can use our logo outside the Environment Agency.  We do not normally give permission to companies or commercial organisations we regulate since we cannot be seen to endorse or approve any particular firm.  We may allow companies working in partnership with us to use our logo.  All companies seeking permission must complete and submit a ‘Request for use of our logo form’ (link [here](http://intranet.ea.gov/knowledge/enquiries/nccc/10972.aspx)) to [design.enquiries@environment-agency.gov.uk](mailto:design.enquiries@environment-agency.gov.uk)  Permission can only be granted by Media and Corporate Comms.  Guidance on use of our logo can be found on Easinet (link [here](http://intranet.ea.gov/knowledge/enquiries/nccc/10972.aspx)). A logo request flow chart and brand guidelines are available from [design.enquiries@environment-agency.gov.uk](mailto:design.enquiries@environment-agency.gov.uk). |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Environment Agency Logo |  | **N** | **N** | **N** |

### Environmental Quality Index (2010) (AfA170)

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| --- |
| **Description**  The Environmental Quality Index (EQI) data contains 12 environmental based factors and then calculates comparative environmental quality scores across England (not Wales). Index scores have been calculated by dividing each value by the highest data value by the Local Authority value, therefore values are ranked 1 – 0. Indicator data is available for multiple administrative areas from Lower Super Output Areas (SOA) through to Region level – these have been attributed to Local Authorities since the data was collated initially to identify the 50 lowest environmental quality scores. For example if data is only available at region level, all Local Authorities within that region are assigned the same vale. Total scores for their Index of Multiple Deprivation are also included as well as property counts.  It is of note that these data are intended to be used in conjunction with the EQI mapping tool. The EQI mapping tool enables users to view environmental indicators data across England. The tool also gives anyone with ArcGIS access to vary the weightings given to each factor in the model and/or to suppress certain factors altogether.  Results can be saved and tested with differing variations. **The Environment Agency has not made any judgment with regards to weighting.**  Since there is the capacity to add weighting to any of the index scores contained in the data, and there is not a confirmed overall score required for ranking Local Authorities – only a score where all parameters have been given equal ranking.  **Issues to Note**  The data is intended to be used in a bespoke model. Since some attributes are not available for re-use there is limited value in these data for re-use.  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBC  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Data and Information management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  The following Information Warning/Disclaimer must be sent if the index score is provided: “The index scores have been created through the application of a consistent methodology. Index scores have been calculated by dividing each value, held at the lowest administrative resolution, by the highest data value, therefore values are ranked 1 – 0. These scores are objective and carry equal weighting – no judgement has been made by the Environment Agency to determine whether any one indicator gives affects environmental quality over another. As such the overall ranking score attributed to a Local Authority is based on an equal rating of this index score - there is not a confirmed overall score.  Due to the various administrative levels used, for example some indicators are only held at Regional level, whilst other are at Super Output Area (SOA), individual indicator scores may vary depending upon the scale that the data is viewed at. For example, a SOA may show a low environmental quality score, but have a high score when interrogated at Regional level.”  **Guidance**  Information Warning/Disclaimer must be sent if the index score is provided. |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Shape | Geometry type = Polygon (Ordnance Survey/ONS)  Spatial Reference = British National Grid | **Y** | **Y** | **Y** |
| MIN\_CODE | District/Unitary Authority code (Ordnance Survey/ONS) | **Y** | **Y** | **Y** |
| MIN\_DESCRI | District/Unitary Authority Description (Ordnance Survey/ONS) | **Y** | **Y** | **Y** |
| DU\_NAME | District/Unitary Authority Code(Ordnance Survey/ONS) | **Y** | **Y** | **Y** |
| COUNTRY | Country the SOA is located in (England) (Ordnance Survey/ONS) | **Y** | **Y** | **Y** |
| EA\_REGION | Environment Agency Region (Environment Agency) | **Y** | **Y** | **Y** |
| EA\_AREA | Environment Agency Area (Environment Agency) | **Y** | **Y** | **Y** |
| GO | Government Office Region (Ordnance Survey/ONS) | **Y** | **Y** | **Y** |
| DIST\_NAME | District Authority Name (Ordnance Survey/ONS) | **Y** | **Y** | **Y** |
| IDXGQA | Index score for SOA showing General Quality Assessment for Rivers (Environment Agency) | **Y** | **Y** | **Y** |
| IDIMD | Index score for Indices of Multiple Deprivation (ONS, Indices of Multiple Deprivation 2007) | **Y** | **Y** | **Y** |
| IDX\_GS | Index score of Green Space (Department for Communities and Local Government) | **Y** | **Y** | **Y** |
| IDXHOUSING | Index score of Air Quality (Defra) | **Y** | **Y** | **Y** |
| IDXAIRQUAL | Index score of Air Quality (Defra) | **Y** | **Y** | **Y** |
| IDXNO2 | Index score of NO2 (Defra) | **Y** | **Y** | **Y** |
| IDXPM10 | Index score of PM10 (Defra) | **Y** | **Y** | **Y** |
| IDXSO2 | Index score of SO2 (Defra) | **Y** | **Y** | **Y** |
| IDXBENZ | Index score of Benzene (Defra) | **Y** | **Y** | **Y** |
| IDXINDOORS | Index score of Indoors Environment (Housing in poor Condition, Central Heating)  (ONS) | **Y** | **Y** | **Y** |
| IDXOUTDOOR | Index score of Outdoors Environment (Road Traffic Accidents, Air Quality)  (ONS) | **Y** | **Y** | **Y** |
| IDXLIVING | Indices of Deprivation: Living Environment (ONS)   * Indoors Environment (Housing in poor Condition, Central Heating) * Outdoors Environment (Road Traffic Accidents, Air Quality) | **Y** | **Y** | **Y** |
| IDXDL | Index score for derelict land (National Land Use Database) | **Y** | **Y** | **Y** |
| IDXBIOD | Index score for biodiversity (Land Cover Database 2000 – CEH) | **N** | **N** | **N** |
| IDXFP | Index score of Fly Tipping (Environment Agency) | **Y** | **Y** | **Y** |
| IDXCO2 | Index score of CO2 (Defra) | **Y** | **Y** | **Y** |
| IDXLITTER | Index score of Litter (Department for Communities and Local Government) | **Y** | **Y** | **Y** |
| IDXDETRITU | Index score of detritus (dust, mud, soil, grit, stones, rotten leaves etc. excludes blossom and recent leaf fall) (Department for Communities and Local Government) | **Y** | **Y** | **Y** |
| IDXGRAFFIT | Index score of Graffiti (Department for Communities and Local Government) | **Y** | **Y** | **Y** |
| PROP\_CNT | Total number of properties (Environment Agency) | **Y** | **Y** | **Y** |
| PROP\_COMM | Total number of commercial properties (Environment Agency) | **Y** | **Y** | **Y** |
| NAFRA\_LOW | Number of properties at low flood risk (Environment Agency) | **Y** | **Y** | **Y** |
| LOW\_COMM | Number of commercial properties at low flood risk (Environment Agency) | **Y** | **Y** | **Y** |
| NAFRA\_MID | Number of properties at low flood risk (Environment Agency) | **Y** | **Y** | **Y** |
| MID\_COMM | Number of commercial properties at moderate flood risk (Environment Agency) | **Y** | **Y** | **Y** |
| NAFRA\_SIG | Number of properties at moderate flood risk (Environment Agency) | **Y** | **Y** | **Y** |
| SIG\_COMM | Number of commercial properties at significant flood risk (Environment Agency) | **Y** | **Y** | **Y** |
| NAFRASCORE | Overall NaFRA Score (Environment Agency) | **Y** | **Y** | **Y** |
| SCORE | Overall ranking score – NOTE THAT THIS IS NOT FIXED, WEIGHTED SCORE CAN BE ATTRIBUTTED IF USED IN TOOL. | **Y** | **Y** | **Y** |
| IDXFLOOD | Index score of Flood Risk (Environment Agency) | **Y** | **Y** | **Y** |
| IDXTRAFACC | Index score of Traffic Accidents (Department for Communities and Local Government) | **Y** | **Y** | **Y** |
| IDXCH | Index score of Central Heating (ONS) | **Y** | **Y** | **Y** |
| AREA\_M | Total Local Authority Area (OS) | **Y** | **Y** | **Y** |
| IDXPROX | Index score of proximity to regulated sites (Environment Agency) | **Y** | **Y** | **Y** |
| IDXCO2\_PC | Index score of CO2 per capita (Defra) | **Y** | **Y** | **Y** |
| IDXCO2\_TOT | Index score of CO2 total (Defra) | **Y** | **Y** | **Y** |
| CODE\_1 | Local Authority Code (OS) | **Y** | **Y** | **Y** |
| NAME | Local Authority Name (OS) | **Y** | **Y** | **Y** |
| LOWERSOA CODE | Code foe lower SOA code (ONS) | **Y** | **Y** | **Y** |

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### GPS Survey Control Points (AfA033)

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| **Description**  Location & Height data related to benchmark points created for EA surveys.  (By the 1990s, we found that in many areas OSBMs were being destroyed during development. So to fill these gaps, we started installing Environment Agency Benchmarks (EABM) along most watercourses. EABMs were levelled from the OSBMs. We hold description cards for these points which are useful for reference. We are gradually updating these points with GPS-observed levels as and when we work in the area concerned).  **Issues to Note**  These data are not available for the whole of England and Wales.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B24EDF1A8-E5F6-49B1-941F-6E4E19824CF9%7D>  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Flood Risk mapping Data Management  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Grid Square | Grid Reference e.g. SU5664 | **Y** | **Y** | **Y** |
| Point Data Type | e.g. E1 | **Y** | **Y** | **Y** |
| Region Code | e.g. 06 | **Y** | **Y** | **Y** |
| Area Code | e.g.1 | **Y** | **Y** | **Y** |
| Ref No | e.g. 0001 | **Y** | **Y** | **Y** |
| Easting | e.g. 456789.652 | **Y** | **Y** | **Y** |
| Northing | e.g. 164787.487 | **Y** | **Y** | **Y** |
| Orthometric Height | e.g. 60.868 | **Y** | **Y** | **Y** |
| Transformation | e.g. OSTn 02/OSGM02 | **Y** | **Y** | **Y** |
| WGS84 latitude | e.g. 51° 22' 45".50324"N | **Y** | **Y** | **Y** |
| WGS84 longitude | e.g. 01° 11' 07".42218"W | **Y** | **Y** | **Y** |
| WGS84 height | e.g. 107.597 | **Y** | **Y** | **Y** |
| Method | e.g. from EA PASSIVE | **Y** | **Y** | **Y** |
| EA Survey Job No | e.g. 6984 | **Y** | **Y** | **Y** |
| Height from OSBMs | e.g. 60.904 | **Y** | **Y** | **Y** |
| Comments | Clarification/additional information e.g. OS Passive Station C1SU1473 | **Y** | **Y** | **Y** |

### Health Risk Screening Tool (AfA325)

|  |
| --- |
| **Description**  Used to predict the impacts of dioxin/furan, PCB and metals emissions from industry through dietary intake and compared to international benchmarks. Used by the Environment Agency’s Air Quality Modelling and Assessment Unit to audit human health risk assessments submitted by applicants as a risk assessment supporting applications for major industry.  **Issues to Note**  Does not contain data  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  <http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7B0A2CFC3F-A9FE-4DBC-AE02-0E7D7EC058CD%7D>  **Update frequency**  Annual  **Supply frequency**  Annual  **Third Party Prior Rights**  **Data Contact / Supply**  **Format Supplied**  Excel spreadsheet  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Spreadsheet tool | Health Risk Screening Tool | **Y** | **Y** | **Y** |

### Introduction to Intellectual Property Management e-learning package (AfA258)

**Description:**

The Introduction to Intellectual Property (IP) Management e-learning package will help develop understanding in the principles of intellectual property management.

The e-learning package was created jointly by the Environment Agency and Natural England to introduce staff to the basics of IP management.

The package is SCORM (Sharable Content Object Reference Model) compliant. It does not include the word document scripts used to create the package.

**Issues to Note**

None

**AfA Category**

Not AfA (To be Assessed with Guidance)

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={03BB598F-9468-4D38-B6D9-4A639F86FBAC}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b03BB598F-9468-4D38-B6D9-4A639F86FBAC%7d)

**Update frequency**

N/A

**Supply frequency**

One-off supply

**Third Party Prior Rights**

Natural England

**Data Contact / Supply**

**Format Supplied**

ZIP File – SCORM COMPLIANT

**Special Conditions**

**Information Warning**

**Guidance**

Awaiting permission to use the Natural England registered trade mark and for commercial use.

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| e-learning package | Introduction to Intellectual Property e-learning package | **N** | **N** | **N** |

### Register of Issues of High Public Interest (AfA103)

|  |
| --- |
| **Description**  High Public Interest monthly report for the Director of Operations.  This contains information on issues of high public interest that either has a national impact or was, at the time of reporting, near to an up-coming Board meeting.  The information given, in many cases, names the sites and their location, a summary of the issue and often the names of external people involved, MPS etc.  with details of the latest situation.  Lead officers and PR officers are also named.  **Issues to Note**  **AfA Category**  Not AfA (To be Assessed with Guidance)  **Metadata link**  TBC  **Update frequency**  Monthly  **Supply frequency**  Monthly  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Type of issue | Type of issue classified into defined category. E.g. Flood Risk Management, Fisheries, PPC (Waste). | **Y** | **Y** | **Y** |
| Lead officer | Full name of the lead Environment Agency officer assigned to the documented issue. | **Y** | **Y** | **Y** |
| Lead public relations officer | Environment Agency public relations officer assigned to the documented issue. | **Y** | **Y** | **Y** |
| Region/head office | Environment Agency Region or Head Office assigned to the issue. | **Y** | **Y** | **Y** |
| Area/regional office/head office | Area/Regional Office or Head Office. Used to assign geographic area issue relevant to. | **Y** | **Y** | **Y** |
| Name of site or issue | Name of site or description of issue that deemed as that of high public interest. | **N** | **N** | **N** |
| Summary of issue | Details of site of issue and an explanation of why it is considered a current or potential issue of high public interest. | **N** | **N** | **N** |
| Latest Situation | Latest news and information on the site or issue reflecting the current status. | **N** | **N** | **N** |

### River Habitat Survey (AfA286)

**Description:**

River Habitat Survey (RHS) is the Environment Agency standard for collecting data on the physical character and quality of river habitats across the UK.

RHS is a standard field survey of a 500m stretch of river where data is collected in a replicable manner. At 50m intervals a ‘spot-check’ is conducted to record specific details about bank and channel physical attributes, man-made modifications, land uses and vegetation structure.

Since 1994 approximately 24,000 surveys have been carried out. The bulk of surveys were carried out between 1994 to 1997 and 2006 to 2008. Surveys are still carried out for specific drivers, for example assessing habitat availability and Water Framework Directive.

Surveys conducted prior to 2003 should not be compared with surveys conducted after 2003 as survey methodology changed significantly in 2003.

River names may be in English, Welsh or Gaelic.

Dimensions are intended to provide context for these habitat surveys. They should not be used for other purposes.

The following information has been excluded from the survey data supply because there is a risk that we might be disclosing personal data. If a customer has a particular interest in a particular site/survey we may be able to provide further details.

• General description of the survey

• Surveyors name

• Weirs/sluices, culverts, outfalls/intakes, dams, abstractions, hydroelectric power

• Where channel is choked by vegetation or a debris dam impeding flow

• Tipped materials and landfill

• Presence of sewage and pollution

• Gravel extraction

**Issues to Note**

This AfA does not cover site photographs.

Where fields are excluded for data protection purposes any requests for further or specific details needs to be assessed in the normal way as an FoI request.

**AfA Category**

AfA (Publication Scheme & IfRR)

EA Open Data

**Metadata link**

[http://gis-easimap.ea.gov/eametadataexplorer/details?id={1700A57F-FD67-4713-8488-2055A5178570}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b1700A57F-FD67-4713-8488-2055A5178570%7d)

**Update frequency**

Ad hoc

**Supply frequency**

On request

**Third Party Prior Rights**

None

**Data Contact / Supply**

**Format Supplied**

EXCEL

**Special Conditions**

None

**Information Warning**

Surveys conducted prior to 2003 should not be compared with surveys conducted after 2003 as survey methodology changed significantly in 2003.

River names may be in English, Welsh or Gaelic.

Dimensions are intended to provide context for these habitat surveys. They should not be used for other purposes.

The following information has been excluded from the survey data supply to you because there is a risk that we might be disclosing personal data. If you have a particular interest in a particular site/survey we may be able to provide further details.

• General description of the survey

• Surveyors name

• Weirs/sluices, culverts, outfalls/intakes, dams, abstractions, hydroelectric power.

• Where channel is choked by vegetation or a debris dam impeding flow

• Tipped materials and landfill

• Presence of sewage and pollution

• Gravel extraction

**Guidance**

None

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Table 1: Survey Details** | | | | |
| Survey ID | A survey is data collected in the field at an RHS site at a particular time. Each survey is designated a unique survey identification number. A RHS site can have one or more surveys associated with it. | **Y** | **Y** | **Y** |
| Survey Status | Accepted survey. | **Y** | **Y** | **Y** |
| Site ID (Site) | Unique site ID. A site is the actual geographical location of the 500m reach that a RHS survey covers. | **Y** | **Y** | **Y** |
| NGR Site | 10 figure National Grid Reference mid-point of reach. | **Y** | **Y** | **Y** |
| Survey Date | Date and time of survey. | **Y** | **Y** | **Y** |
| River (Site) | River name where RHS site is located. | **Y** | **Y** | **Y** |
| Survey Form ID | RHS Survey form used to record survey information. The versions used are: 1994,1995,1996,1997 and 2003. | **Y** | **Y** | **Y** |
| Survey Driver Description | Purpose for survey description. | **N** | **N** | **N** |
| Survey Driver Name | Purpose for survey e.g. CAMS sites. | **N** | **N** | **N** |
| Spot One Is At | Spot check is either Upstream End (UE) or Downstream End (DE) of the site. | **Y** | **Y** | **Y** |
| Surveyor ID | Accredited surveyor unique identifier. | **Y** | **Y** | **Y** |
| Surveyor Name | Name of person carrying out survey. | **N** | **N** | **N** |
| Adverse Conditions | Indicates whether adverse conditions were present that prevented surveyor carrying our survey to best of his/her ability. | **Y** | **Y** | **Y** |
| Site Surveyed From Description | Area surveyed e.g. left bank. | **Y** | **Y** | **Y** |
| Bed is Visible Description | Description of river bed visibility e.g. partially. | **Y** | **Y** | **Y** |
| Valley Form Description | Description of valley form e.g. no obvious valley sides. | **Y** | **Y** | **Y** |
| Dist Flat Valley Bottom | Indicates if a distinct flat valley bottom is present. | **Y** | **Y** | **Y** |
| Natural Terraces | Indicates if there are natural terraces present. | **Y** | **Y** | **Y** |
| Predom Channel Description | In general this attribute is not populated. | **Y** | **Y** | **Y** |
| Predominant Flow Type | In general this attribute is not populated. | **Y** | **Y** | **Y** |
| No Pools | Number of pools. | **Y** | **Y** | **Y** |
| No Riffles | Number of riffles. | **Y** | **Y** | **Y** |
| No Unvegetated Point Bars | Number of unvegetated point bars. | **Y** | **Y** | **Y** |
| No Vegetated Point Bars | Number of vegetated point bars. | **Y** | **Y** | **Y** |
| Art Feature Other | Occurrence of artificial feature if present e.g. total number of weirs. | **N** | **N** | **N** |
| Art Feature Other Two | Occurrence of second artificial feature if present e.g. total number of culverts. | **N** | **N** | **N** |
| Realigned Channel Description | Indicates if channel is obviously realigned and by what percentage of its length. Options are: No, Yes <33% or Yes ≥ 33%. | **Y** | **Y** | **Y** |
| OverDeepened Channel Description | Indicates if channel is obviously over-deepened and by what percentage of its length. Options are: No, Yes <33% or Yes ≥ 33%. | **Y** | **Y** | **Y** |
| Water Impounded Description | Indicates if channel is impounded by weir/dam and by what percentage of its length Options are: No, Yes <33% or Yes ≥ 33%. | **Y** | **Y** | **Y** |
| Trees Left Description | Presence of trees on left bank e.g. continuous. | **Y** | **Y** | **Y** |
| Trees Right Description | Presence of trees on left bank e.g. occasional clumps. | **Y** | **Y** | **Y** |
| Left Banktop Height | In metres. Banktop is the first major break in slope above which cultivation or development is possible. | **Y** | **Y** | **Y** |
| Left Bth Equals Bfh | Left banktop height is also bankfull height. Answer is either yes or no. Bankfull is the point where river first spills on the floodplain. | **Y** | **Y** | **Y** |
| Left Embanked Height | In metres. | **Y** | **Y** | **Y** |
| Channel Bankfull Width | In metres. | **Y** | **Y** | **Y** |
| Channel Water Depth | In metres. | **Y** | **Y** | **Y** |
| Channel Water Width | In metres. | **Y** | **Y** | **Y** |
| Right Banktop Height | In metres. | **Y** | **Y** | **Y** |
| Right Bth Equals Bfh | Right banktop height is also bankfull height. Answer is either yes or no. | **Y** | **Y** | **Y** |
| Right Embanked Height | In metres. | **Y** | **Y** | **Y** |
| Trashline Height | Height above water level where trashline is lower than banktop (m). | **Y** | **Y** | **Y** |
| Trashline Width | Width from bank to bank where trashline height can be estimated (m). | **Y** | **Y** | **Y** |
| Trashline - Bed Material Description | Either consolidated or unconsolidated. | **Y** | **Y** | **Y** |
| Trashline - Location of Measure Description | Location where measurement was taken e.g. pool. | **Y** | **Y** | **Y** |
| Choked Channel | Indicates whether >33% channel choked with vegetation which would cause significant impediment to flow. | **N** | **N** | **N** |
| Notable Nuisance plants – bankface | (1) Giant hogweed (2) Japanese Knotweed (3) Himalayan Balsam (4) Other. | **Y** | **Y** | **Y** |
| Notable Nuisance plants – banktop to 50m | (1) Giant hogweed (2) Japanese Knotweed (3) Himalayan Balsam (4) Other. Options are: Present, not present or extensive. | **Y** | **Y** | **Y** |
| Alders | Options are: Present, not present or extensive. | **Y** | **Y** | **Y** |
| Diseased Alders | Options are: Present, not present or extensive. | **Y** | **Y** | **Y** |
| Comments | Other significant observations. | **N** | **N** | **N** |
| **Table 2: Spotcheck Results**  Key for physical attributes:AR artificial - BE bedrock – BI bio-engineering material – BM artificial berm - BO boulder - BR brick/laid stone - BW broken standing waves (white water) - CC concrete – CF chaotic flow - CH chute – CL clay - CO cobble – DR no flow (dry) – EB exposed bedrock - EC eroding cliff is sandy substrate - EA earth (crumbly) – EM embanked – FA fabric – FF free fall – FO ford (man-made) - G gravel - GA gabion – GP gravel/pebble - GS gravel/sand – MB unvegetated mid-channel bar – MI mature island - NB natural berm - NK not known - NO none – NP no perceptible flow - NV not visible – P pebble - PB unvegetated point bar – PC poached - PCB poached (bare) - PE peat - RI reinforced – RO exposed boulders - RP rippled - RR rip-rap - RS resectioned – SA sand - SB unvegetated side bar - SC sandy cliff is sandy substrate – SI silt - SM smooth – SP sheet piling – UP upwelling - UW unbroken standing waves – VB vegetated mid-channel bar - VP vegetated point bar - VR vegetated rock – VS vegetated side bar - WP wood piling  Key for land-use and vegetation structure: AW artificial open water - B bare - BL broadleaf/mixed woodland – BP broadleaf/mixed plantation - C complex – CP coniferous plantation - CW coniferous woodland - IG improved/semi-improved grassland – IL irrigated land - MH moorland/heath - NV not visible – OR orchard – OW natural open water - PG Parkland or gardens – RD rock, scree or sand dunes - RP rough unimproved grassland/pasture - S simple - SH scrub & shrubs - SU suburban/urban development - TH tall herb/rank vegetation - TL tilled land - U uniform – WL wetland  Key for channel vegetation types: E (extensive - channel vegetation type must occupy at least 33% of the channel area within the 10m wide transect); N (not present); NV (not visible - water is very turbid and identification is impeded.); P (present - channel vegetation type must occupy at least 1% of the channel area within the 10m wide transect). | | | | |
| Survey ID | Unique survey identification number. | **Y** | **Y** | **Y** |
| Survey Status | Accepted survey. | **Y** | **Y** | **Y** |
| Left bank | |  |  |  |
| Left Material | BE – BR – CC – CO - EA – GA – GS – NV – PE – RR | **Y** | **Y** | **Y** |
| Left Material | TD (Tipped Debris) | **N** | **N** | **N** |
| Modification | NK – NO – RI - RS | **Y** | **Y** | **Y** |
| Marginal and Bank Features | EC – NO – NV – SB – SC - VP | **Y** | **Y** | **Y** |
| Channel | |  |  |  |
| Channel Substrate | AR - BE - BO – CO - G - NV – P – PE – SI | **Y** | **Y** | **Y** |
| Flow type | BW - CH - DR – NP - NV – RP – SM – UW | **Y** | **Y** | **Y** |
| Channel Modifications | CV (culverted) - DA (dam/weir/sluice) | **N** | **N** | **N** |
| Channel Modifications | NO – RS | **Y** | **Y** | **Y** |
| Channel Features | EB – NO – NV - RO – VR | **Y** | **Y** | **Y** |
| Channel Features | TR (Trash – urban debris) | **N** | **N** | **N** |
| Number of Sub-channels | Number of sub-channels for braided rivers only | **Y** | **Y** | **Y** |
| Right bank | |  |  |  |
| Right Material | BE – BR – CO – EA – GA – GS – NV – PE – RR | **Y** | **Y** | **Y** |
| Right Bank Modification | EM - NK – NO - PCB – RI – RS | **Y** | **Y** | **Y** |
| Marginal and Bank Features | EC – NO – NV - PB - SB – SC - VP | **Y** | **Y** | **Y** |
| Banktop Land Use and Vegetation Structure | |  |  |  |
| Land Use within 5m of Left Banktop | BL – IG – NV – PG – RP – SH – SU – TH - TL | **Y** | **Y** | **Y** |
| Left Banktop Structure Within 1m | B - C - NV - S - U | **Y** | **Y** | **Y** |
| Left Bank-face Structure | B – C – NV – S - U | **Y** | **Y** | **Y** |
| Right Bank-face Structure | B – C – NV – S - U | **Y** | **Y** | **Y** |
| Right Banktop Structure Within 1m | B – C – NV – S - U | **Y** | **Y** | **Y** |
| Land Use within 5m of Right Banktop | BL – CW – IG – NV – PG – RP – SH – SU - TH | **Y** | **Y** | **Y** |
| Channel vegetation types | |  |  |  |
| None or None Visible | None (✓) or Not Visible (NV) | **Y** | **Y** | **Y** |
| Liverworts Mosses Lichens | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Emergent Broad-leave Herbs | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Emergent Reeds Sedges Rushes Grass Horsetails | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Floating leaved (Rooted) | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Free-floating | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Amphibious | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Submerged Broad-leaved | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Submerged Linear-leaved | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Submerged Fine-leaved | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Filamentous algae | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| **Table 3: Sweep-Up Feature Results** | | | | |
| Survey ID | Unique survey identification number. | **Y** | **Y** | **Y** |
| Survey Status | Accepted survey. | **Y** | **Y** | **Y** |
| Artificial Features | Numbers of major, intermediate and minor: Bridges; fords; deflectors/groynes/croys. | **Y** | **Y** | **Y** |
| Artificial Features | Numbers of major, intermediate and minor: Weirs/sluices; culverts; outfalls/intakes. | **N** | **N** | **N** |
| Land Use within 50 M of Banktop | For left bank and right bank:  Broadleaf or Mixed Woodland Semi-Natural - broadleaf or mixed plantation - coniferous woodland - coniferous plantation - scrub and shrubs – orchard – wetland - moorland or heath - artificial open water - natural open water - rough unimproved grassland or pasture - improved or semi-improved grassland - tall herbs or rank vegetation - rock, scree or sand dunes - suburban or urban development - tilled land - irrigated land - parkland or gardens - not visible.  Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Bank Profiles | For left bank and right bank:  Vertical or undercut - vertical with toe - steep >45 degrees – gentle – composite - natural berm - resectioned or reprofiled - reinforced whole - reinforced top only - reinforced toe only - artificial two-stage - poached– embanked - set-back embankment.  Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Tree Features | Shading of channel - overhanging boughs - exposed bankside roots - underwater tree roots - fallen leaves - large woody debris.  Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Extent of Channel & Bank Features | Free fall flow - chute flow - broken standing waves - unbroken standing waves - rippled flow – upwelling - smooth flow - no perceptible flow - no flow (dry) - marginal deadwater - eroding cliffs - stable cliffs - exposed bedrock - exposed boulders - vegetated bedrock or boulders - unvegetated mid-channel bars - vegetated mid-channel bars - mature islands - unvegetated side bars - vegetated side bars - unvegetated point bars - vegetated point bars - unvegetated silt deposits - discrete unvegetated sand deposits - discrete unvegetated gravel deposits.  Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Features of Special Interest | An entry is required in this box when no entries are made in any other boxes to confirm that no features of interest were observed. Either ticked or not ticked. | **Y** | **Y** | **Y** |
| Features of Special Interest 1 | Braided channels - side channels - natural waterfalls > 5m high - natural waterfalls < 5m high - Natural cascades - very large boulders - leafy debris - fringing reed banks - quaking banks - sink holes – backwaters - floodplain boulder deposits - water meadows – fens – bogs - wet woodlands – marshes – flushes - natural open water - other.  Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Features of Special Interest 1 | Debris dam - Options: E; N; NV; P | **N** | **N** | **N** |
| Major Impacts | Presence of any of the following major impacts on the site:  Drought - mill - road - rail - industry – housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting – waterlogging.  Y if present. | **Y** | **Y** | **Y** |
| Major Impacts | Presence of any of the following major impacts on the site:  Landfill - tipping - litter - sewage - pollution - abstraction - dam - hydroelectric power.  Y if present. | **N** | **N** | **N** |
| Recent Management | Presence of any of the following recent management activities on the site:  Dredging - bank mowing - weed cutting - enhancement - river rehabilitation – other.  Y if present. | **Y** | **Y** | **Y** |
| Recent Management | Presence of gravel extraction on the site. Y if present | **N** | **N** | **N** |
| Animals | Sightings of the following mammals, birds, insects and other taxa of interest:  Otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  Y if present. | **Y** | **Y** | **Y** |
| **Table 4: Sweep-up Spotcheck Results** | | | | |
| Survey ID | Unique survey identification number. | **Y** | **Y** | **Y** |
| Validation | Validation accepted. | **Y** | **Y** | **Y** |
| Channel | Channel Substrate. | **Y** | **Y** | **Y** |
| Channel Vegetation types | |  |  |  |
| None or None Visible | None (✓) or Not Visible (NV) | **Y** | **Y** | **Y** |
| Liverworts Mosses Lichens | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Emergent Broad-leaved Herbs | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Emergent Reeds Sedges Rushes Grass Horsetails | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Floating-leaved (rooted) | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Free-floating | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Amphibious | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Submerged Broad-leaved | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Submerged Linear-leaved | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Submerged Fine-leaved | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| Filamentous Algae | Options: E; N; NV; P | **Y** | **Y** | **Y** |
| **Table 5: Survey Scores** | | | | |
| Survey ID | Unique survey identification number. | **Y** | **Y** | **Y** |
| NGR of Site | 10 figure National Grid Reference. | **Y** | **Y** | **Y** |
| River | River name on which survey was taken | **Y** | **Y** | **Y** |
| HMS Score | Habitat Modification Score (HMS). Scoring system used to assess the degree of modification associated with a river. Scores are attributed to surveys based on the presence and extent of artificial modifications. | **Y** | **Y** | **Y** |
| HMS Class | HMS class descriptions. The following are indicators of the extent to which the habitat has been modified   |  |  |  | | --- | --- | --- | | **HM Class** | **HM class description** | **HM Score** | | 1 | Pristine/semi-natural | 0-16 | | 2 | Predominantly unmodified | 17-199 | | 3 | Obviously modified | 200-499 | | 4 | Significantly modified | 500-1399 | | 5 | Severely modified | 1400+ | | **Y** | **Y** | **Y** |
| HQA | Habitat Quality Assessment (HQA). Scoring system is a broad measure of the diversity of natural habitats of a site. The HQA scores are determined by the presence and extent of habitat features of known wildlife interests that have been recorded during the RHS survey.   |  |  | | --- | --- | | **HQA Class** | **Description** | | 1 | Excellent | | 2 | Good | | 3 | Moderate | | 4 | Poor | | 5 | Extremely poor |   The HQA score for a site is the total of all the component HQA scores. | **Y** | **Y** | **Y** |
| HQA Adjusted | Statistical adjustment to bring surveys carried out in 1994 in line with other survey years. | **Y** | **Y** | **Y** |
| PCA1 | Principle Component Analysis (PCA). Allows surveys to be linked to sites of similar types. | **Y** | **Y** | **Y** |
| PCA2 | Allows surveys to be linked to sites of similar types. | **Y** | **Y** | **Y** |
| HMS Sub Scores | HMS sub scores for: Bank and bed reinforcement – bank and bed resectioning - berms and embankment - bridges – poaching – ford - outfalls/deflectors | **Y** | **Y** | **Y** |
| HMS Sub Scores | HMS sub scores for: Culverts - weirs/dams/sluices | **N** | **N** | **N** |
| HQA Sub Score | HQA sub scores for: Flow types – channel substrates – channel features - bank features - bank vegetation – in stream channel vegetation – land-use – trees and associated features – special features. | **Y** | **Y** | **Y** |

### River Habitat Survey Details and Summary Results (AfA434)

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| --- |
| **Description**  River Habitat Survey (RHS) is the Environment Agency standard for collecting data on the physical character and quality of river habitats across the UK.  This dataset provides survey details and summary results for river habitat surveys carried out from 1994 to present. This dataset is a subset of AfA286 River Habitat Survey.  Since 1994 approximately 25,000 surveys have been carried out. The bulk of surveys were carried out between 1994 to 1997 and 2006 to 2008. Surveys are still carried out for specific drivers, for example assessing habitat availability and Water Framework Directive.  Surveys conducted prior to 2003 should not be compared with surveys conducted after 2003 as survey methodology changed significantly in 2003.  River names may be in English, Welsh or Gaelic.  Dimensions are intended to provide context for these habitat surveys. They should not be used for other purposes.  The following information has been excluded from the survey data supplied to you because there is a risk that we might be disclosing personal data. If a customer has a particular interest in a particular site/survey examples of the type of information we may be able supply are:  • General description of the survey  • Surveyors name  • Weirs/sluices, culverts, outfalls/intakes, dams, abstractions, hydroelectric power  • Where channel is choked by vegetation or a debris dam impeding flow  • Tipped materials and landfill  • Presence of sewage and pollution  • Gravel extraction  **Issues to Note**  This AfA does not cover site photographs.  Where fields are excluded for data protection purposes any requests for further or specific details needs to be assessed in the normal way as an FOI request.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  Ad hoc  **Supply frequency**  On request  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  Microsoft Excel  **Special Conditions**  None  **Information Warning**  Surveys conducted prior to 2003 should not be compared with surveys conducted after 2003 as survey methodology changed significantly in 2003.  River names may be in English, Welsh or Gaelic.  Dimensions are intended to provide context for these habitat surveys. They should not be used for other purposes.  The following information has been excluded from the survey data supplied to you because there is a risk that we might be disclosing personal data. If a customer has a particular interest in a particular site/survey examples of the type of information we may be able supply are:  • General description of the survey  • Surveyors name  • Weirs/sluices, culverts, outfalls/intakes, dams, abstractions, hydroelectric power  • Where channel is choked by vegetation or a debris dam impeding flow  • Tipped materials and landfill  • Presence of sewage and pollution  • Gravel extraction  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Survey ID | A survey is data collected in the field at an RHS site at a particular time. Each survey is designated a unique survey identification number. A RHS site can have one or more surveys associated with it. | **Y** | **Y** | **Y** |
| Site ID (Site) | Unique site ID. A site is the actual geographical location of the 500m reach that a RHS survey covers. | **Y** | **Y** | **Y** |
| NGR Site | 10 figure National Grid Reference mid-point of reach. | **Y** | **Y** | **Y** |
| Survey Date | Date and time of survey. | **Y** | **Y** | **Y** |
| River (Site) | River name where RHS site is located. | **Y** | **Y** | **Y** |
| Survey Form ID | RHS Survey form used to record survey information. The versions used are: 1994,1995,1996,1997 and 2003. | **Y** | **Y** | **Y** |
| Spot One Is At | Spot check is either Upstream End (UE) or Downstream End (DE) of the site. | **Y** | **Y** | **Y** |
| Surveyor ID | Accredited survey or unique identifier. | **Y** | **Y** | **Y** |
| Adverse Conditions | Indicates whether adverse conditions were present that prevented surveyor carrying our survey to best of his/her ability. | **Y** | **Y** | **Y** |
| Site Surveyed From Description | Area surveyed e.g. left bank. | **Y** | **Y** | **Y** |
| Bed is Visible Description | Description of river bed visibility e.g. partially. | **Y** | **Y** | **Y** |
| Valley Form Description | Description of valley form e.g. no obvious valley sides. | **Y** | **Y** | **Y** |
| Dist Flat Valley Bottom | Indicates if a distinct flat valley bottom is present. | **Y** | **Y** | **Y** |
| No Pools | Number of pools. | **Y** | **Y** | **Y** |
| No Riffles | Number of riffles. | **Y** | **Y** | **Y** |
| No Unvegetated Point Bars | Number of unvegetated point bars. | **Y** | **Y** | **Y** |
| No Vegetated Point Bars | Number of vegetated point bars. | **Y** | **Y** | **Y** |
| Realigned Channel Description | Indicates if channel is obviously realigned and by what percentage of its length. Options are: No, Yes <33% or Yes ≥ 33%. | **Y** | **Y** | **Y** |
| OverDeepened Channel Description | Indicates if channel is obviously over-deepened and by what percentage of its length. Options are: No, Yes <33% or Yes ≥ 33%. | **Y** | **Y** | **Y** |
| Water Impounded Description | Indicates if channel is impounded by weir/dam and by what percentage of its length Options are: No, Yes <33% or Yes ≥ 33%. | **Y** | **Y** | **Y** |
| Trees Left Description | Presence of trees on left bank e.g. continuous. | **Y** | **Y** | **Y** |
| Trees Right Description | Presence of trees on left bank e.g. occasional clumps. | **Y** | **Y** | **Y** |
| Left Banktop Height | In metres. Banktop is the first major break in slope above which cultivation or development is possible | **Y** | **Y** | **Y** |
| Left Bth Equals Bfh | Left banktop height is also bankfull height. Answer is either yes or no. Bankfull is the point where river first spills on the floodplain. | **Y** | **Y** | **Y** |
| Left Embanked Height | In metres. | **Y** | **Y** | **Y** |
| Channel Bankfull Width | In metres. | **Y** | **Y** | **Y** |
| Channel Water Depth | In metres. | **Y** | **Y** | **Y** |
| Channel Water Width | In metres. | **Y** | **Y** | **Y** |
| Right Banktop Height | In metres. | **Y** | **Y** | **Y** |
| Right Bth Equals Bfh | Right banktop height is also bankfull height. Answer is either yes or no. | **Y** | **Y** | **Y** |
| Right Embanked Height | In metres. | **Y** | **Y** | **Y** |
| Trashline Height | Height above water level where trashline is lower than banktop (m). | **Y** | **Y** | **Y** |
| Trashline Width | Width from bank to bank where trashline height can be estimated (m). | **Y** | **Y** | **Y** |
| Bed Material | Either consolidated or unconsolidated. | **Y** | **Y** | **Y** |
| Location of Measure Description | Location where measurement was taken e.g. pool. | **Y** | **Y** | **Y** |
| Notable Nuisance plants - bankface | (1) Giant hogweed (2) Japanese Knotweed (3) Himalayan Balsam | **Y** | **Y** | **Y** |
| Other Plant Name | Common name or Latin name | **Y** | **Y** | **Y** |
| HMS Score | Habitat Modification Score (HMS). Scoring system used to assess the degree of modification associated with a river. Scores are attributed to surveys based on the presence and extent of artificial modifications. | **Y** | **Y** | **Y** |
| HMS Class | HMS class descriptions. The following are indicators of the extent to which the habitat has been modified   |  |  |  | | --- | --- | --- | | HM Class | HM class description | HM Score | | 1 | Pristine/semi-natural | 0-16 | | 2 | Predominantly unmodified | 17-199 | | 3 | Obviously modified | 200-499 | | 4 | Significantly modified | 500-1399 | | 5 | Severely modified | 1400+ | | **Y** | **Y** | **Y** |
| HQA | Habitat Quality Assessment (HQA). Scoring system is a broad measure of the diversity of natural habitats of a site. The HQA scores are determined by the presence and extent of habitat features of known wildlife interests that have been recorded during the RHS survey.   |  |  | | --- | --- | | HQA Class | Description | | 1 | Excellent | | 2 | Good | | 3 | Moderate | | 4 | Poor | | 5 | Extremely poor |   The HQA score for a site is the total of all the component HQA scores. | **Y** | **Y** | **Y** |
| HQA Adjusted | Statistical adjustment to bring surveys carried out in 1994 in line with other survey years. | **Y** | **Y** | **Y** |
| HMS Sub Scores | HMS sub scores for: Bank and bed reinforcement – bank and bed resectioning - berms and embankment - bridges – poaching – ford - outfalls/deflectors | **Y** | **Y** | **Y** |
| HQA Sub Score | HQA sub scores for: Flow types – channel substrates – channel features - bank features - bank vegetation – in stream channel vegetation – land-use – trees and associated features – special features. | **Y** | **Y** | **Y** |
| Hqa Adj Sub Score | HQA adjusted sub scores: for flow types - in stream channel vegetation | **Y** | **Y** | **Y** |

### Spatial Data Transformers (AfA449)

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| --- |
| **Description**  A collection of custom data transformers, including spatial data, that allow users to extract, transform and load data using FME® software.  Transformers are part of the Feature Manipulation Engine (FME®) applications. The FME transformers are distributed via the FME store (link [here](http://www.safe.com/support/support-resources/fme-store/)).  FME® is a registered trade mark owned by Safe Software inc.  **Issues to Note**  The AfA is for the logic embedded (programming) in the transformer and does not include data. The AfA does not cover 3rd party embedded logic. The AfA will be updated periodically as more transformers are created.  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Software  **Metadata link**  Not applicable  **Update frequency**  One-off  **Supply frequency**  One-off  **Third Party Prior Rights**  None  **Data Contact / Supply**  **Format Supplied**  FMX  **Special Conditions**  None  **Information Warning**  None  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| XYToNGRConvertor | Transforms an attribute containing a National Grid Reference with two extra attributes containing eastings and northings. | **Y** | **Y** | **Y** |

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# REMOTE SURVEY

### 10cm - 50cm Colour (CR) Digital Aerial Photography (AfA141)

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| **Description**  Digital aerial photography is an airborne mapping technique, which measures reflected light in the red, green, blue and near infra-red spectrum. Images of the ground are captured at resolutions between 10cm and 50cm, and ortho-rectified using LIDAR and GPS to a high spatial accuracy.  The Environment Agency’s airborne data archive contains digital photography from airborne surveys carried out by the Environment Agency during flood response work by a specialist remote sensing team. Aerial photography (true colour and/or Infra-red) is available for those areas where flights have been commissioned for flood response work.  The photography is available at resolutions varying between 10cm to 50cm and can be supplied as a digital image in JPEG format (or GEOTIFF on request). Photography is available as true colour (CR) imagery and / or near infra-red (NIR) imagery depending upon what is collected during the flood response. Flood outlines derived from the photography is also available, where it has been requested and interpreted post flood response event.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={7CB9540C-D1F0-4BA0-82E4-278F565B1109}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b7CB9540C-D1F0-4BA0-82E4-278F565B1109%7d)  **Update frequency**  None  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Geomatics Group  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| FILENAME | Environment Agency file name (incl. unique #) | **Y** | **Y** | **Y** |
| TILENAME | Ordnance Survey tile name | **Y** | **Y** | **Y** |
| DATE\_FLOWN | Date flown as single date (e.g. 7th Jan 2003) or date range (e.g. Dec 06 – Jan 07) | **Y** | **Y** | **Y** |
| PERCENTAGE\_CO | Percentage of the tile covered by Aerial Photography data (0 – 100%) | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in centimetres (e.g. 10, 25, 50) | **Y** | **Y** | **Y** |
| **Raster Attribution** | | | | |
| Band 1 | Red 0 - 255 | **Y** | **Y** | **Y** |
| Band 2 | Green 0 -255 | **Y** | **Y** | **Y** |
| Band 3 | Blue 0 - 255 | **Y** | **Y** | **Y** |

### 10cm - 50cm Near Infrared (NIR) Digital Aerial Photography (AfA142)

|  |
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| **Description**  Digital aerial photography is an airborne mapping technique, which measures reflected light in the red, green, blue and near infra-red spectrum. Images of the ground are captured at resolutions between 10cm and 50cm, and ortho-rectified using LIDAR and GPS to a high spatial accuracy.  The Environment Agency’s airborne data archive contains digital photography from airborne surveys carried out by the Environment Agency during flood response work by a specialist remote sensing team. Aerial photography (true colour and/or Infra-red) is available for those areas where flights have been commissioned for flood response work.  The photography is available at resolutions varying between 10cm to 50cm and can be supplied as a digital image in JPEG format (or GEOTIFF on request). Photography is available as true colour (CR) imagery and / or near infra-red (NIR) imagery depending upon what is collected during the flood response. Flood outlines derived from the photography is also available, where it has been requested and interpreted post flood response event.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={6CC38632-DB2B-4107-95EB-91880B3D4B33}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b6CC38632-DB2B-4107-95EB-91880B3D4B33%7d)  **Update frequency**  None  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Geomatics Group  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| FILENAME | Environment Agency file name (incl. unique #) | **Y** | **Y** | **Y** |
| TILENAME | Ordnance Survey tile name | **Y** | **Y** | **Y** |
| DATE\_FLOWN | Date flown as single date (e.g. 7th Jan 2003) or date range (e.g. Dec 06 – Jan 07) | **Y** | **Y** | **Y** |
| PERCENTAGE\_CO | Percentage of the tile covered by Aerial Photography data (0 – 100%) | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in centimetres (e.g. 10, 25, 50) | **Y** | **Y** | **Y** |
| **Raster Attribution** | | | | |
| Band 1 | Red 0 - 255 | **Y** | **Y** | **Y** |
| Band 2 | Green 0 -255 | **Y** | **Y** | **Y** |
| Band 3 | Blue 0 - 255 | **Y** | **Y** | **Y** |

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### CASI and LIDAR Habitat Map (AfA439)

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| **Description**  A habitat map derived from airborne data, specifically CASI (Compact Airborne Spectrographic Imager) and LIDAR (Light Detection and Ranging) data.  The habitat map is a polygon shapefile showing site relevant habitat classes. Geographical coverage is incomplete because of limits in data available. It includes those areas where the Environment Agency, Natural England and the Regional Coastal Monitoring Programme have carried out sufficient aerial and ground surveys in England.  The habitat map is derived from CASI multispectral data, LIDAR elevation data and other GIS products. The classification uses ground data from sites collected near to the time of CASI capture. We use ground data to identify the characteristics of the different habitats in the CASI and LIDAR data. These characteristics are then used to classify the remaining areas into one of the different habitats.  Habitat maps generated by Geomatics are often derived using multiple data sources (e.g. CASI, LIDAR and OS-base mapping data), which may or may not have been captured coincidentally. In instances where datasets are not coincidentally captured there may be some errors brought about by seasonal, developmental or anthropological change in the habitat.  The collection of ground data used in the classification has some limitations. It has not been collected at the same time as CASI or LIDAR capture; it is normally within a couple of months of CASI capture. Some variations between the CASI data and situation on site at the time of ground data collection are possible. A good spatial coverage of ground data around the site is recommended, although not always practically achievable. For a class to be mapped on site there must have been samples collected for it on site. If the class is not seen on site or samples are not collected for a class, it cannot be mapped.    No quantitative accuracy assessment has been carried out on the habitat map, although the classification was trained using ground data and the final habitat map has been critically evaluated using Aerial Photography captured simultaneously with the CASI data by the processors and independently by habitat specialists.  Please note that this content contains Ordnance Survey data © Crown copyright and database right [2014] and you must ensure that a similar attribution statement is contained in any sub-licences of the Information that you grant, together with a requirement that any further sub-licences do the same.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={70424B68-3699-4F9D-998C-527D941476FA}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b70424B68-3699-4F9D-998C-527D941476FA%7d)  **Update frequency**  Ad hoc  **Supply frequency**  One-off  **Third Party Prior Rights**  **Data Contact / Supply**  Geomatics  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Feature Identifier | **Y** | **Y** | **Y** |
| SHAPE | Geometry = Polygon | **Y** | **Y** | **Y** |
| Site | The class the feature is a part of | **Y** | **Y** | **Y** |
| CASI\_Date | The date of the CASI capture (DD/MM/YYYY). | **Y** | **Y** | **Y** |
| LIDAR\_Date | The date of the LIDAR capture (DD/MM/YYYY). | **Y** | **Y** | **Y** |
| Analysis\_YR | The financial year that the classification was carried out in. | **Y** | **Y** | **Y** |
| Version | The version number states whether an update to the maps has been carried out. | **Y** | **Y** | **Y** |
| Class\_name | Habitat class name e.g. embryo dune, shingle | **Y** | **Y** | **Y** |
| 2nd Class | Provides a second habitat class name, where appropriate e.g. Seasonal Water | **Y** | **Y** | **Y** |
| Area | Area in m² | **Y** | **Y** | **Y** |

### CASI Multispectral Imagery (AfA461)

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| **Description**  The Compact Airborne Spectrographic Imager (CASI) is an airborne imaging system used to provide imagery in visible and near infra-red (NIR) wavelengths of the electromagnetic spectrum. This is done by detecting and measuring reflected radiation in the 400 nm (blue) – 1000 nm (NIR) range. Within this range data are acquired in discrete wavelength ranges known as bands.  This CASI data archive includes imagery from airborne surveys carried out by the Environment Agency for mapping purposes, generally to map intertidal and terrestrial habitats. Digital imagery is available for those areas where flights have been commissioned for survey work.  Image data can be supplied in a variety of formats that are geo-referenced and directly compatible for input into a Geographical Information System including geoTIFF, geoJPEG (limited to 3 bands only) and ERDAS Imagine .img. Image data  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Geomatics  **Format Supplied**  geoTIFF, geoJPEG (limited to 3 bands only) and ERDAS Imagine .img Image data  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| FILENAME | Environment Agency file name (incl. unique number (yr/mm/date/time)) | **Y** | **Y** | **Y** |
| DATE\_FLOWN | Date flown as single date (e.g. 7th Jan 2003) or date range (e.g. Dec 06 – Jan 07) | **Y** | **Y** | **Y** |
| TIME\_FLOWN | Time flown in Coordinated Universal Time (UTC) | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in metres (e.g. 1, 4) | **Y** | **Y** | **Y** |
| MODE | Description of bands used | **Y** | **Y** | **Y** |
| PROJECTION | OSGB36 | **Y** | **Y** | **Y** |
| **Raster Attribution** | | | | |
| Band 1 to n total number of bands | Radiance (amount of VNIR light detected by the sensor) | **Y** | **Y** | **Y** |

### Coastal Topographic Surveys (AfA463)

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| **Description**  Coastal topographic survey data are height transects in coastal areas.  A surveyor using a GNSS (Global Navigation Satellite System) staff will make observations of elevation and usually substrate type at recorded coordinates. This is usually carried out along a fixed transect line, but can be along a grid or, when the staff is mounted to an ATV (All terrain vehicle), a high volume of ‘spot height’ measurements through the survey area.  The outputs of this survey are the easting and northing coordinates of each location where a measurement was taken and the elevation in metres above Ordnance Datum (Newlyn). The transect survey data will also contain a chainage position of where along the transects the measurement was taken and a two letter substrate code.  The output data is ASCII text files. The transect surveys contain header information and conform to an EA standard format detailed in the National Survey Specification.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  N/A  **Update frequency**  Twice per annum  **Supply frequency**  Twice per annum  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Geomatics  **Format Supplied**  ASCII Text  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FILENAME | Unique Transect ID | **Y** | **Y** | **Y** |
| CHAINAGE | Distance along transect of the survey point (metres) | **Y** | **Y** | **Y** |
| FID | Survey point reference | **Y** | **Y** | **Y** |
| EASTING | X-Coordinate of the survey point | **Y** | **Y** | **Y** |
| NORTHING | Y-Coordinate of the survey point | **Y** | **Y** | **Y** |
| LEVEL | Elevation of survey point (metres above Ordnance Datum Newlyn) | **Y** | **Y** | **Y** |
| CODE | Substrate code for survey point | **Y** | **Y** | **Y** |

### Directional Waverider Buoy Data (AfA464)

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| **Description**  The Environment Agency has many offshore wave buoys and these measure specific attributes of waves that pass through the buoys and they records data every 30 minutes.  The Environment Agency currently uses a Directional Waverider buoy, as this is the national standard, however historic datasets and future outputs may come from different types of buoy instruments.  The buoys float on the water surface and log data every 30 minutes. Each logged data point is a time-averaged measurement of the waves that have passed through the buoy during the preceding 30 minutes. From measurements of the buoys movement, a spectrum of different wave frequencies is recorded. The buoy also measures or calculates some additional observations or statistical wave parameters including:   * significant wave height * wave period * wave direction * directional spread * sea surface temperature.   We compile and quality check these wave parameters and the output is available as excel spreadsheets. The more detailed wave spectra data is also available in text file format as it contains additional information, particularly the different amounts of energy that is measured in different frequencies of waves.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  N/A  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Geomatics  **Format Supplied**  N/A  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Year | Date | **Y** | **Y** | **Y** |
| Month | Date | **Y** | **Y** | **Y** |
| Day | Date | **Y** | **Y** | **Y** |
| Hour | Date | **Y** | **Y** | **Y** |
| Minute | Date | **Y** | **Y** | **Y** |
| Second | Date | **Y** | **Y** | **Y** |
| Julian Day | Date | **Y** | **Y** | **Y** |
| MS Date | Microsoft date (Native Microsoft numeric date format e.g. 41463.97917) | **Y** | **Y** | **Y** |
| Date | Date | **Y** | **Y** | **Y** |
| Time | Date/time | **Y** | **Y** | **Y** |
| Tp | Peak wave period in seconds | **Y** | **Y** | **Y** |
| Dirp | Main wave direction in degrees | **Y** | **Y** | **Y** |
| Sprp | Wave spread in degrees | **Y** | **Y** | **Y** |
| Tz | Mean wave period in seconds | **Y** | **Y** | **Y** |
| Hm0 | Significant wave height in metres (can be centimetres) | **Y** | **Y** | **Y** |
| Tsea | Sea surface temperature in degrees | **Y** | **Y** | **Y** |

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### Dune Slack Likely Locations (AfA440)

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| --- |
| **Description**  This product shows the likely locations and boundaries of dune slacks for sites around England. A dune slack is a depression in coastal dune system.  It is based upon a morphological definition of dune slacks and uses LIDAR Digital Terrain Model (DTM) data and a derived slope model. Each slack has height statistics calculated for it. The data are provided in Polygon Shapefile format.  Dune slack boundaries based upon phytological associations may differ to this product. It is particularly important to remember where sand dunes are covered by large extents of scrub or woodland, as through the use of LIDAR DTM, slacks can be identified under scrub and tree vegetation; however this also gives the product unique advantages in considering vegetation recovery after scrub or tree clearance.  Geographical coverage is incomplete because of limits in data available. It includes those areas where the Environment Agency, Natural England and the Regional Coastal Monitoring Programme have carried out sufficient aerial surveys.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  Ad hoc  **Supply frequency**  One-off  **Third Party Prior Rights**  **Data Contact / Supply**  Geomatics  **Format Supplied**  ESRI Shapefile  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| FID | Feature identifier | **Y** | **Y** | **Y** |
| SHAPE | Geometry = Polygon | **Y** | **Y** | **Y** |
| Site | The class the feature is a part of | **Y** | **Y** | **Y** |
| LIDAR\_Date | The date of the LIDAR capture (DD/MM/YYYY) | **Y** | **Y** | **Y** |
| Analysis\_YR | The financial year that the classification was carried out in | **Y** | **Y** | **Y** |
| Version | The version number states whether an update to the maps has been carried out | **Y** | **Y** | **Y** |
| Class\_name | Defines the feature class as ‘Dune Slack’ | **Y** | **Y** | **Y** |
| MIN | Provides the minimum height value of the slack (mAOD) | **Y** | **Y** | **Y** |
| MAX | Provides the maximum height value of the slack (mAOD) | **Y** | **Y** | **Y** |
| RANGE | Provides the range between minimum and maximum height values of the slack (mAOD) | **Y** | **Y** | **Y** |
| MEAN | Provides the mean height value of the slack (mAOD) | **Y** | **Y** | **Y** |
| Area\_msq | Provides the area of the slack (in m2) | **Y** | **Y** | **Y** |

### Elevation Change Product (AfA438)

|  |
| --- |
| **Description**  The Elevation Change Product shows the change in height of the land over a period of time in England. The change is calculated from LIDAR (Light Detection and Ranging) Digital Surface Models (last return) acquired at different times.  The resulting product shows the net change in elevation over the time period in metres and the length of time the change is calculated over can vary depending on the LIDAR data availability. Geographical coverage is incomplete because of limits in data available. It includes those areas where the Environment Agency, Natural England and the Regional Coastal Monitoring Programme have carried out sufficient aerial surveys.  The LIDAR data used to calculate elevation change is Digital Surface Model (Last Return). This means that surface objects like vegetation, buildings and vehicles are within the dataset. There is the potential for these to move, or grow/ shrink and cause false elevation change within the product. These false changes are minimised by steps taken to identify and exclude them from the final product.  The product is sensitive to changes generally between 0.25 and 0.5m and class ranges/ boundaries should reflect these variations. This sensitivity is dependent upon the age of the data and flight characteristics. Data captured most recently will be of a higher vertical accuracy.  A water mask will also be created to identify areas covered by water in either or both datasets. The water masks can then exclude or be used to map separately areas affected by water. If water is in both datasets then no elevation change would be shown. However, if water is only in 1 of the datasets, then a minimum change product may be created. This would show change which is described as ‘at least this much change’, with actual change likely to be greater than that measured using LIDAR. Areas of water in the baseline year can only show accretion. Areas of water in the recent data will only be able to show erosion.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  Ad hoc  **Supply frequency**  One-off  **Third Party Prior Rights**  **Data Contact / Supply**  Geomatics  **Format Supplied**  GIS-Ready Raster GeoTiff (.TIF)  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Elevation Change | Elevation change between the baseline and recent LIDAR data in metres. | **Y** | **Y** | **Y** |

### LIDAR Composites (AfA458)

|  |
| --- |
| **Description**  Light Detection and Ranging (LIDAR) is an airborne mapping technique, which uses a laser to measure the distance between the aircraft and the ground. Up to 100,000 measurements per second are made of the ground, allowing highly detailed terrain models to be generated at spatial resolutions of between 25cm and 2 metres.  The Environment Agency’s LIDAR data archive contains digital elevation data derived from surveys carried out by the Environment Agency's specialist remote sensing team. Accurate elevation data is available for over 70% of England.  This dataset is derived from a combination of our full dataset which has been merged and re-sampled to give the best possible coverage. Data is available at 2m, 1m, 50cm, and 25cm resolution. The dataset can be supplied as a Digital Surface Model produced from the signal returned to the LIDAR (which includes heights of objects, such as vehicles, buildings and vegetation, as well as the terrain surface) or as a Digital Terrain Model produced by removing objects from the Digital Surface Model.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Geomatics  **Format Supplied**  ESRI ASCII Raster  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| TILENAME | Ordnance Survey tile name | **Y** | **Y** | **Y** |
| DSM | Name of Digital Surface Model (DSM) tile | **Y** | **Y** | **Y** |
| DTM | Name of Digital Terrain Model (DTM) tile | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in metres (e.g. 0.25, 0.5, 1.0, 2.0) | **Y** | **Y** | **Y** |
| AREA\_SQKM | Area (sq km) of the tile covered by LiDAR data | **Y** | **Y** | **Y** |
|  | | | | |
| X-COORDINATE | X-Coordinate of the point | **Y** | **Y** | **Y** |
| Y-COORDINATE | Y-Coordinate of the point | **Y** | **Y** | **Y** |
| HEIGHT | Height of the point | **Y** | **Y** | **Y** |

### LIDAR Tiles (AfA457)

|  |
| --- |
| **Description**  Light Detection and Ranging (LIDAR) is an airborne mapping technique, which uses a laser to measure the distance between the aircraft and the ground. Up to 100,000 measurements per second are made of the ground, allowing highly detailed terrain models to be generated at spatial resolutions of between 25cm and 2 metres.  The Environment Agency’s LIDAR data archive contains digital elevation data derived from surveys carried out by the Environment Agency's specialist remote sensing team. Accurate elevation data is available for over 70% of England.  Data may be available at 2m, 1m, 50cm, and 25cm resolution. Historic data are available for some areas where we have carried out repeat surveys.  These can be supplied as a combined Digital Surface Model produced from the signal returned to the LIDAR (which includes heights of objects, such as vehicles, buildings and vegetation, as well as the terrain surface) and Digital Terrain Model (a "bare earth" model with surface objects filtered out of the DSM by applying bespoke software techniques).  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  N/A  **Data Contact / Supply**  Geomatics  **Format Supplied**  ESRI ASCII Raster  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| TILENAME | Ordnance Survey tile name | **Y** | **Y** | **Y** |
| DSM | Name of Digital Surface Model (DSM) tile | **Y** | **Y** | **Y** |
| DTM | Name of Digital Terrain Model (DTM) tile | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in metres (e.g. 0.25, 0.5, 1.0, 2.0) | **Y** | **Y** | **Y** |
| AREA\_SQKM | Area (sq km) of the tile covered by LiDAR data | **Y** | **Y** | **Y** |
|  | | | | |
| X-COORDINATE | X-Coordinate of the point | **Y** | **Y** | **Y** |
| Y-COORDINATE | Y-Coordinate of the point | **Y** | **Y** | **Y** |
| HEIGHT | Height of the point | **Y** | **Y** | **Y** |

### TABI Thermal Airborne Imagery (AfA153)

|  |
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| **Description**  The thermal airborne imager is a sensor that is used for airborne mapping to distinguish temperature differences as small as one tenth of a degree. This is done by detecting and measuring emitted radiation in the 8 to 12 micron range of the Electromagnetic Spectrum, resulting in an indicative surface temperature map of the land below the aircraft. Images of the ground are captured at resolutions between 1m and 4m.  The Environment Agency’s thermal airborne data archive includes imagery from airborne surveys carried out by the Environment Agency to map the relative heat loss from rooftops, which have been used to inform local authorities where to target climate change mitigation strategies. Digital imagery is available for those areas where flights have been commissioned for survey work.  Image data can be supplied in a variety of image formats that are directly compatible for input in a GIS including geoTIFF, geoJPEG and ERDAS Imagine .img. Image data is supplied as a grey-scale image or colour-coded classification and in flightline image strips.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={02B8DCF2-4C08-4C9B-B744-D713A31F0692}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b02B8DCF2-4C08-4C9B-B744-D713A31F0692%7d)  **Update frequency**  None  **Supply frequency**  One-off  **Third Party Prior Rights**  No  **Data Contact / Supply**  Geomatics Group  **Format Supplied**  N/A  **Special Conditions**  N/A  **Information Warning**  N/A  **Guidance**  None |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| FILENAME | Environment Agency file name (incl. unique # (yr/mm/date/time)) | **Y** | **Y** | **Y** |
| DATE\_FLOWN | Date flown as single date (e.g. 7th Jan 2003) or date range (e.g. Dec 06 – Jan 07) | **Y** | **Y** | **Y** |
| TIME\_FLOWN | Time flown in UTC | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in metres (e.g. 1, 4) | **Y** | **Y** | **Y** |
| MODE | Description of TABI operation mode (Mode 0 : -5 to +45 degrees centigrade) | **Y** | **Y** | **Y** |
| PROJECTION | OSGB36 |  |  |  |
| **Raster Attribution** | | | | |
| Band 1 | Thermal: -5 to +45 degrees centigrade relative | **Y** | **Y** | **Y** |

### 

### LIDAR Derived Vegetation Object Maps – JPEG (AfA246)

|  |
| --- |
| **Description**  **Purpose of LIDAR (LIght Detection And Ranging) derived Vegetation Object Map data set**  The Environment Agency needs to understand where trees contribute to water channel shading, potentially to reduce mean stream temperatures and create cooler refuges for fish on hot summer days. In particular, fisheries are keen to know where channels are exposed to heating and where new tree planting could help reduce this exposure.  **The LIDAR derived Vegetation Object Map (objects>2.5m in height)**  This is a data set for England and Wales (where LIDAR data is available).  The Environment Agency have produced a vegetation objects data layer based on the LIDAR 2m Composite (dated 2010) which indicates the location of vegetation, and the height of vegetation. The dataset was created using an automated routine that screens out all buildings present within the Ordnance Survey Mastermap Topo layer.  The file format is in Georeferenced JPEG, which is a visual representation of the data.    The data is also available as ESRI Binary Grid format which contains the vegetation object heights.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={9F3A9329-841E-4840-BEA9-0CC1B7E149C4}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b9F3A9329-841E-4840-BEA9-0CC1B7E149C4%7d)  **Update frequency**  Annual LIDAR update from National Programme  **Supply frequency**  Currently once only product  **Third Party Prior Rights**  **Data Contact / Supply**  Geomatics team will supply parts or all of the data (e.g. for specific catchments, rather than the whole national data set) on request using file sharing (FTP) system.  **Format Supplied**  Georeferenced JPEG, 5x5km tiles, 2m resolution  **Special Conditions**  None  **Information Warning:**  **Limitations of LIDAR**  The vegetation object maps has been derived from the 2010 LIDAR 2m Composite DSM (Digital Surface Model) and DTM (Digital Terrain Model), with automated filtering out of buildings using OS MasterMap. This product has not been verified by ground truth data, only by visual inspection comparing with aerial photography and OS mapping.  There are a number of assumptions and weaknesses recognised in the production:   * The filtering of the LIDAR data successfully separated the vegetation objects from the terrain * The OS MasterMap data accurately covers all buildings in the UK - and there are no problems with currency overlaying a MasterMap dataset with a vintage of Dec 2009 against a LIDAR dataset composed of data surveyed between 1998 and 2010 * The DSM used is derived from the last return - assumes that even in winter there will be some measurement of trees, and that there will be no difference's between data flown in January or data flown in June, or from different tree species. * There are no problems associated with the different LIDAR instruments used since 1998, the quality of the data they have produced, and their ability to measure trees   Another issue with LIDAR is that these data were initially collected to help flood inundation  mapping and are thus concentrated in low lying areas. As a result many headwaters and areas of  higher ground are not covered. Gaps in the LIDAR coverage mean that the derived maps of  riparian tree cover will be an underestimate of the true extent of riparian trees.  The LIDAR data is largely recorded in winter, when only coniferous tree canopies are present. As  the LIDAR hits the tree it records a ‘first return’ and a ‘last return’. The last return of the  tree, in winter, normally being part way down the trunk. The combined effect of this method of data  collection and the season in which it is collected, means that the height of trees and the extent of  tree canopy is probably underestimated. This means that in addition to the problem of incomplete  LIDAR coverage, taller vegetation is likely to be underestimated.  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Attribute 1 | Colour scale representing height of objects | **Y** | **Y** | **Y** |
| Attribute 2 | Grey scale representing hill shading | **Y** | **Y** | **Y** |

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### LIDAR Derived Vegetation Object Maps – ESRI Binary Grid (AfA253)

|  |
| --- |
| **Description**  **Purpose of LIDAR (LIght Detection And Ranging) derived Vegetation Object Map data set**  The Environment Agency needs to understand where trees contribute to water channel shading, potentially to reduce mean stream temperatures and create cooler refuges for fish on hot summer days. In particular, fisheries are keen to know where channels are exposed to heating and where new tree planting could help reduce this exposure.  **The LIDAR derived Vegetation Object Map (objects>2.5m in height)**  This is a data set for England and Wales (where LIDAR data is available).  The Environment Agency have produced a vegetation objects data layer based on the LIDAR 2m Composite (dated 2010) which indicates the location of vegetation, and the height of vegetation. The dataset was created using an automated routine that screens out all buildings present within the Ordnance Survey Mastermap Topo layer.  The file format is in ESRI Binary Grid format which contains the vegetation object heights.    The data is also available as Georeferenced JPEG, which is a visual representation of the data.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  [http://gis-easimap.ea.gov/eametadataexplorer/details?id={9100C395-CF04-4599-8E76-48D544DD66AB}](http://gis-easimap.ea.gov/eametadataexplorer/details?id=%7b9100C395-CF04-4599-8E76-48D544DD66AB%7d)  **Update frequency**  Annual LIDAR update from National Programme  **Supply frequency**  Currently once only product  **Third Party Prior Rights**  **Data Contact / Supply**  Geomatics team will supply parts or all of the data (e.g. for specific catchments, rather than the whole national data set) on request using file sharing (FTP) system.  **Format Supplied**  ESRI Binary Grid, Georeferenced JPEG] 5x5km tiles, 2m resolution  **Special Conditions**  None  **Information Warning:**  **Limitations of LIDAR**  The vegetation object maps has been derived from the 2010 LIDAR 2m Composite DSM (Digital Surface Model) and DTM (Digital Terrain Model), with automated filtering out of buildings using OS MasterMap. This product has not been verified by ground truth data, only by visual inspection comparing with aerial photography and OS mapping.  There are a number of assumptions and weaknesses recognised in the production:   * The filtering of the LIDAR data successfully separated the vegetation objects from the terrain * The OS MasterMap data accurately covers all buildings in the UK - and there are no problems with currency overlaying a MasterMap dataset with a vintage of Dec 2009 against a LIDAR dataset composed of data surveyed between 1998 and 2010 * The DSM used is derived from the last return - assumes that even in winter there will be some measurement of trees, and that there will be no difference's between data flown in January or data flown in June, or from different tree species. * There are no problems associated with the different LIDAR instruments used since 1998, the quality of the data they have produced, and their ability to measure trees   Another issue with LIDAR is that these data were initially collected to help flood inundation  mapping and are thus concentrated in low lying areas. As a result many headwaters and areas of  higher ground are not covered. Gaps in the LIDAR coverage mean that the derived maps of  riparian tree cover will be an underestimate of the true extent of riparian trees.  The LIDAR data is largely recorded in winter, when only coniferous tree canopies are present. As  the LIDAR hits the tree it records a ‘first return’ and a ‘last return’. The last return of the  tree, in winter, normally being part way down the trunk. The combined effect of this method of data  collection and the season in which it is collected, means that the height of trees and the extent of  tree canopy is probably underestimated. This means that in addition to the problem of incomplete  LIDAR coverage, taller vegetation is likely to be underestimated.  **Guidance**  N/A |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| Vegetation Map | ESRI binary grid | **Y** | **Y** | **Y** |
| Value | Height in metres | **Y** | **Y** | **Y** |

### Multibeam Coastal Bathymetry (AfA459)

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| --- |
| **Description**  This dataset includes bathymetric surveys using multibeam echo sounders. These use sonar pulses to measure the distance between the survey vessel and the seabed or riverbed. The echo sounders used collect data at a resolution of 50cm or better. The resolution varies depending on water depth, vessel speed and bed topography. The echo sounder used produces a high resolution elevation model of the underwater terrain.  The Environment Agency’s Multibeam Coastal Bathymetry survey data archive includes point data from bathymetric surveys carried out by the Environment Agency for a range of applications and locations where surveys have been previously commissioned.  In some cases full coverage is not captured due to original project specification or operational limitations, for example coverage may just be profile lines extending away from the shore, or a lattice of survey lines.  Multibeam echo sounder data is available for coastal areas at a range of resolutions (between 50cm and 5m.) and is supplied as a digital raster file in ASCII format. All data values are elevation relative to Ordnance Survey datum (Newlyn).  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Datashare  Geomatics  **Format Supplied**  ESRII ASCII Raster  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| FILENAME | Environment Agency file name (incl. unique number ) | **Y** | **Y** | **Y** |
| TILENAME | Ordnance Survey tile name | **Y** | **Y** | **Y** |
| DATE\_SURVEYED | Single date (e.g. 7th Jan 2003) or date range (e.g. Dec 06 – Jan 07) | **Y** | **Y** | **Y** |
| PERCENTAGE\_CO | Percentage of the tile covered by MultiBeam data (0 – 100%) | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in metres ( e.g. 0.5, 1, 2, 5) | **Y** | **Y** | **Y** |
| **Raster Attribution** | | | | |
| X-COORDINATE | X-Coordinate of the point | **Y** | **Y** | **Y** |
| Y-COORDINATE | Y-Coordinate of the point | **Y** | **Y** | **Y** |
| ELEVATION | Elevation of the point | **Y** | **Y** | **Y** |

### Multibeam Riverine Bathymetry (AfA460)

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| --- |
| **Description**  This dataset includes bathymetric surveys collected using multibeam echo sounders. These use sonar pulses to measure the distance between the survey vessel and the seabed or riverbed. The echo sounders collect data at a resolution of 50cm or better. The resolution varies depending on water depth, vessel speed and bed topography. The echo sounders used produce a high resolution elevation model of the underwater terrain.  The Environment Agency’s Multibeam Riverine Bathymetric Riverine survey data archive includes point data from bathymetric surveys carried out by the Environment Agency for a range of applications and locations where surveys have been previously commissioned.  In some cases full coverage is not captured due to original project specification or operational limitations, for example coverage may just be profile lines extending away from the shore, or a lattice of survey lines.  Multibeam data is available for riverine areas at resolutions between 50cm and 1m and is supplied as a digital raster file in ASCII format. All data values are elevation, relative to Ordnance Survey datum (Newlyn).  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  EA Open Data  **Metadata link**  TBC  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Datashare  Geomatics  **Format Supplied**  ESRII ASCII Raster  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Tile Attribution** | | | | |
| FILENAME | Environment Agency file name (incl. unique number) | **Y** | **Y** | **Y** |
| TILENAME | Ordnance Survey tile name | **Y** | **Y** | **Y** |
| DATE\_SURVEYED | Single date (e.g. 7th Jan 2003) or date range (e.g. Dec 06 – Jan 07) | **Y** | **Y** | **Y** |
| PERCENTAGE\_CO | Percentage of the tile covered by MultiBeam data (0 – 100%) | **Y** | **Y** | **Y** |
| RESOLUTION | Resolution in metres (e.g. 0.5, 1) | **Y** | **Y** | **Y** |
| **Raster Attribution** | | | | |
| X-COORDINATE | X-Coordinate of the point | **Y** | **Y** | **Y** |
| Y-COORDINATE | Y-Coordinate of the point | **Y** | **Y** | **Y** |
| ELEVATION | Elevation of the point | **Y** | **Y** | **Y** |

### Major River Transect Surveys (AfA032)

|  |
| --- |
| **Description**  Occasional River Surveys, carried out by Acoustic Doppler Current Profiler, typically across estuaries, or major rivers. Parameters measured may include current vectors, sedimentation, temperature, physical profile etc.  For example, Tidal Thames Dry Season survey (September 2004).  This dataset does not include ADCP surveys, usually on minor rivers, where the intention is to capture only total flow.  **Issues to Note**  None  **AfA Category**  AfA (Publication Scheme & IfRR)  **Metadata link**  TBC  **Update frequency**  N/A  **Supply frequency**  N/A  **Third Party Prior Rights**  No  **Data Contact / Supply**  Area teams  **Format Supplied**  Various  **Special Conditions**  None  **Information Warning**  None  **Guidance**  Not Applicable |

| **Attribute Name** | **Attribute Description** | **Responding to Requests** | **FoI Publication Scheme** | **Information Re-use Register** |
| --- | --- | --- | --- | --- |
| **Spring Tide** | | | | |
| CTD Data | Transect 4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| Current Vector Data | Transect 4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| Data Sheets | Transect 1,2,4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| Sediview Data Files | Transect 4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| Sediview Echograms | Transect 4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| Speed Direction Temperature Salinity Data | Transect 1,2 | **Y** | **Y** | **Y** |
| Time Series Data | Transect 4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| Water Level Data | Transect 1,2,4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| Water Quality Data | Transect 1,2,4,5,6,7, 7a(29/09,30/09,01/10), 8,9,10,11,12 | **Y** | **Y** | **Y** |
| **Intermediate Tide** | | | | |
| CTD Data | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| Current Vector Data | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| Data Sheets | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| Sediview Data Files | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| Sediview Echograms | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| Time Series Data | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| Water Level Data | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| Water Quality Data | Transect 7a - 25,26,27,28 Sept | **Y** | **Y** | **Y** |
| **Neap Tide** | | | | |
| CTD Data | Transect 4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |
| Current Vector Data | Transect 4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |
| Data Sheets | Transect 2,4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |
| Sediview Data Files | Transect 4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |
| Sediview Echograms | Transect 4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |
| Speed Direction Temperature Salinity Data | Transect 2 | **Y** | **Y** | **Y** |
| Time Series Data | Transect 4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |
| Water Level Data | Transect 2,4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |
| Water Quality Data | Transect 2,4,6,7,7a(23/09 & 24/09), 8,10,12 | **Y** | **Y** | **Y** |

1. Information for Re-Use Register [↑](#footnote-ref-1)
2. Approved for reactive requests for information only, not for licensing, pro-active use or publication scheme. [↑](#footnote-ref-2)
3. Definition from Making Space for Water - Flooding from other sources (HA4a), 2006, jba Consulting [↑](#footnote-ref-3)
4. Definition from Making Space for Water - Flooding from other sources (HA4a), 2006, jba Consulting [↑](#footnote-ref-4)
5. Source Datasets: Health and Safety Laboratory National Population Database, National Property Dataset 2005 (NPD), Social Flood Vulnerability Index (SFVI)and 2001 Census data [↑](#footnote-ref-5)
6. Source Datasets: NPD, MasterMap, Integrated Pollution Prevention Control) National Dataset, REGIS, Radioactive Substances National Dataset, Water Company Sewage & Water Treatment Plants (subset of the WIMS) [↑](#footnote-ref-6)
7. Source Dataset: CEH LandCover Map 2000 [↑](#footnote-ref-7)
8. Number of buildings includes those from HSL NPD, NPD, MasterMap, IPPC, REGIS and RAS Datasets [↑](#footnote-ref-8)
9. The SFVI is categorised into five bands where category 1 represents very low vulnerability, category 3 average vulnerability and category 5 very high vulnerability. [↑](#footnote-ref-9)
10. Source Dataset: HSL National Population Database [↑](#footnote-ref-10)
11. Source Dataset: National Property Dataset [↑](#footnote-ref-11)
12. Source Dataset: OS MasterMap [↑](#footnote-ref-12)
13. Source Dataset: IPPC (Integrated Pollution Prevention and Control National Dataset) [↑](#footnote-ref-13)
14. Source Dataset: REGIS (Regulation Information System Dataset) [↑](#footnote-ref-14)
15. Source Dataset: RAS (Radioactive Substances National Dataset) [↑](#footnote-ref-15)
16. Source Dataset: Water Company Sewage and Water Treatment Works [↑](#footnote-ref-16)
17. Source Dataset: CEH Land Cover Map 2000 [↑](#footnote-ref-17)
18. The polluting site address field may be left blank if it is the same as the Event Address or a non-pollution offence (e.g. Water Resources, Flood Defence and most Fisheries offences, failure to have a Waste Carriers registration, failure to comply with an Information Notice, Waste Packaging offences, fly tipping). Use of this information in a GIS system/product based on geography will need to be carefully checked as neither field is meant as a definitive indicator of impact or fault. [↑](#footnote-ref-18)
19. <http://www.environment-agency.gov.uk/business/1745440/444663/1772423/?version=1&lang=_e> [↑](#footnote-ref-19)
20. Reference - looked into the possibility of personal and/or criminal information. [↑](#footnote-ref-20)
21. [↑](#footnote-ref-21)
22. <http://www.environment-agency.gov.uk/business/1745440/444663/1772423/?version=1&lang=_e> [↑](#footnote-ref-22)
23. [↑](#footnote-ref-23)