# Generation of new layer of FHI catchments based on CEH Integrated Hydrological Units

## Contents

# 1. Introduction

This document records the GIS processing performed to generate a new set of river catchments that were:

1. Based on the existing FHI river catchments
2. Are underpinned by hydrologically defined boundaries to enable future potential sub-catchment zoning
3. Offer complete coverage of England, Scotland and Wales.

To achieve these aims the river catchments were underpinned using the Centre for Ecology and Hydrology 'Integrated Hydrological Units of the United Kingdom' [1] (see Figure 1). This dataset was derived in 2014 and consists of 4 nested layers: Hydrometric Areas, Groups, Sections and Catchments. The National River Flow Archive (NRFA) gauging station numbers are based on this system, consisting of the regional identifier and hydrometric area number, followed by 3 further digits.
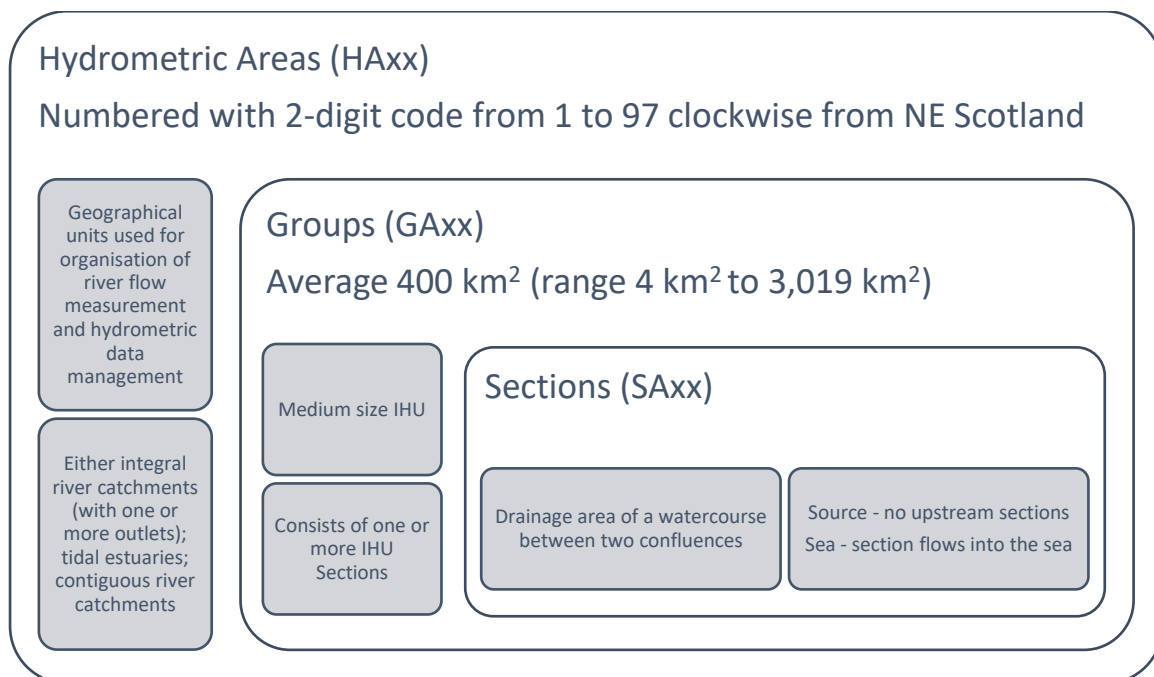
## Hydrometric Areas (HAxx)

### Numbered with 2-digit code from 1 to 97 clockwise from NE Scotland

Geographical units used for organisation of river flow measurement and hydrometric data management

Either integral river catchments (with one or more outlets); tidal estuaries; contiguous river catchments

## Groups (GAxx)

### Average 400 km$^2$ (range 4 km$^2$ to 3,019 km$^2$)

Medium size IHU

Consists of one or more IHU Sections

## Sections (SAxx)

Drainage area of a watercourse between two confluences

Source - no upstream sections
Sea - section flows into the sea

*Figure 1. Diagram showing the nested structure of the Integrated Hydrological Units of the UK showing the Hydrometric Areas, Groups and Sections.*

For the purposes of generating the new catchment layer, the Sections layer was used because there are no areas of overlap within the feature set. This layer underpins the new FHI catchment layer (hereafter called the ***IHU FHI Sections*** layer) and each section has been associated with:

1. The existing FHI catchment it is contained within (if applicable)
2. Scottish catchments defined by Scottish Environmental Protection Agency
3. New catchments to ensure complete coverage of England, Scotland and Wales
4. The devolved region it is in (England, Scotland, Wales)
5. The Water Framework Directive (WFD) River Basin Management Area the section is within
6. The WFD Waterbody that the section is within (if applicable)

Furthermore, new sections were generated to ensure coverage across the complete WFD River Basin Management area. This required the generation of new sections to cover:

1. Coastal areas outside of the IHU layer
2. Sections covering the river channel up to the Normal Tidal Limits

In addition, the area of overlap of each section within the devolved administrations was calculated to cover those sections that cross boundaries and a region identifier linked to the section.

In summary, the IHU FHI Sections layer consists of non-overlapping sections that cover the whole of England, Scotland and Wales with each section given a unique river catchment name and identification number associated with it. Using these sections the river catchment boundaries were derived to ensure complete coverage across the whole of Great Britain. Catchments boundaries were based on the current FHI and SEPA catchment boundaries, and where overlap occurs (in border catchments) the existing FHI catchment boundaries took precedence to allow compatibility with the existing database. A map of the catchment boundaries for Great Britain derived from the sections layer is presented in Figure 2 below.
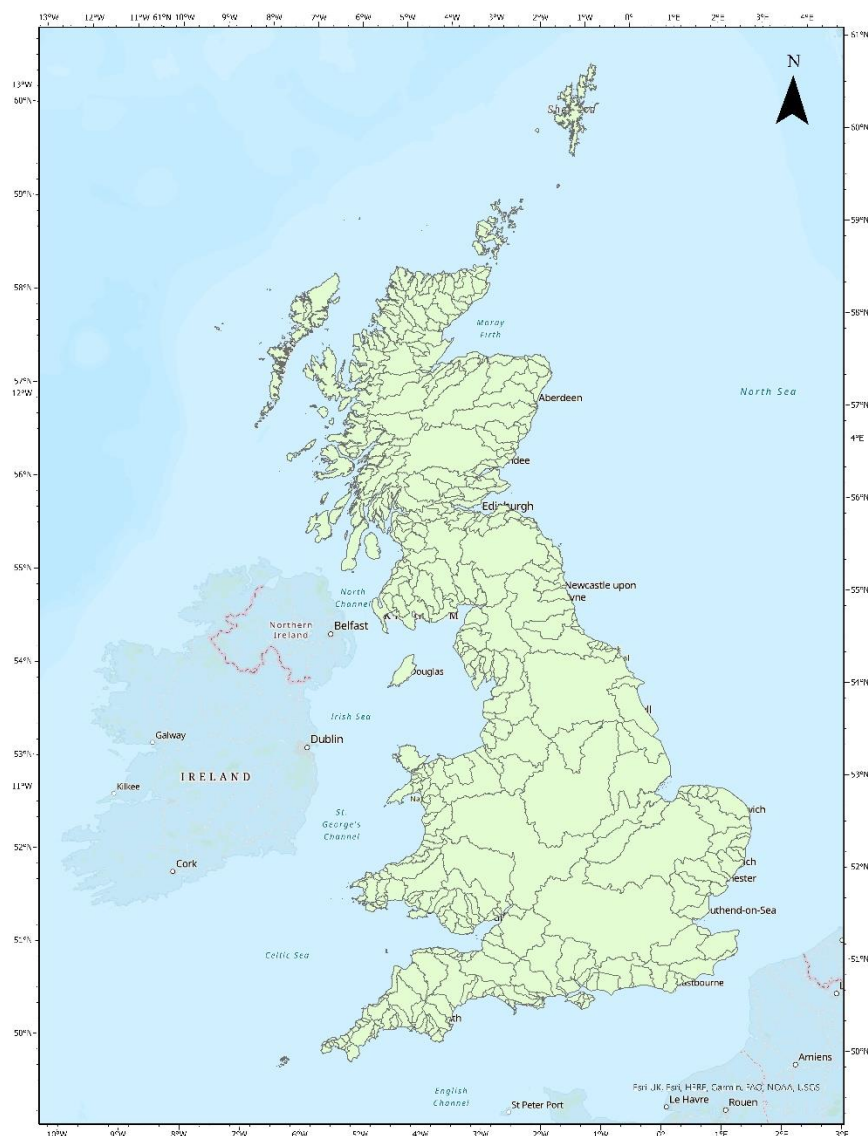


*Figure 2. Map showing the coverage of the catchment boundaries in Great Britain.*

## 2. Outline of the Processing

A summary of the processing steps taken to generate the IHUSections_FHI_WFD_GB_BNG shapefile is shown in Figure 3 and the data sources used in the processing is shown in Table 1 below.

| Dataset | Comment |
|---|---|
| FHI_catchments.shp | A shapefile of the existing FHI catchments. |
| IHU_Sections.shp | The CEH IHU Sections layer downloaded from https://catalogue.ceh.ac.uk/documents/269e70f7 -caf1-488d-910a-25f8a69ab535 on August 2023 |
| English_region_region.shp | A shapefile from the OS Boundary Line feature set containing the English administrative regions. Downloaded on Sept 2023 from https://www.ordnancesurvey.co.uk/products/bou ndary-line |
| scotland_and_wales_region.shp | A shapefile from the OS Boundary Line feature set containing the Scottish and Welsh administrative regions. Downloaded on Sept 2023 from https://www.ordnancesurvey.co.uk/products/bou ndary-line |
| WFD_River_Water_Body_Catchments_Cycle _2.shp | A shapefile of the English waterbodies from Cycle 2 of the Water Framework Directive. Downloaded on Jan 2021 from https://www.data.gov.uk/dataset/298258ee-c4a0-4505-a3b5-0e6585ecfdb2/wfd-river-waterbody-catchments-cycle-2. |
| WFD_RWB_Wales.gdb | Welsh Water Framework Directive geodatabase containing the WDFRCWBC2 feature class for cycle 2. Downloaded March 2023. |
| SEPA_CATCHMENTS_BNG.shp | A shapefile of the SEPA catchment layer downloaded from xx on Sept 2023. |
| SEPA_SUB_BASIN_DISTRICTS_BNG.shp | A shapefile of the Scottish Water Framework Directive river basin districts. |

*Table 1. List of the datasets used to construct the IHU FHI Sections layer.*

**IHU Sections**

- Original dataset

**IHU FHI EW Sections**

- All IHU sections intersecting with FHI catchments are labelled

**IHU FHI EW Sections**

- IHU Sections checked to ensure consistency with FHI catchment boundaries

**IHU FHI EW Sections**

- England and Wales IHU Sections not in an FHI catchment attributed to new catchments

**IHU FHI EW Sections**

- New sections created for the river channels

**IHU FHI WFD EW Sections**

- New sections created for coastal regions covered by the WFD but not by the IHU Sections

**IHU FHI WFD EW Region Sections**

- For each section the area in England and/or Wales was calculated along with the administrative region.

**IHU FHI WFD GB Sections**

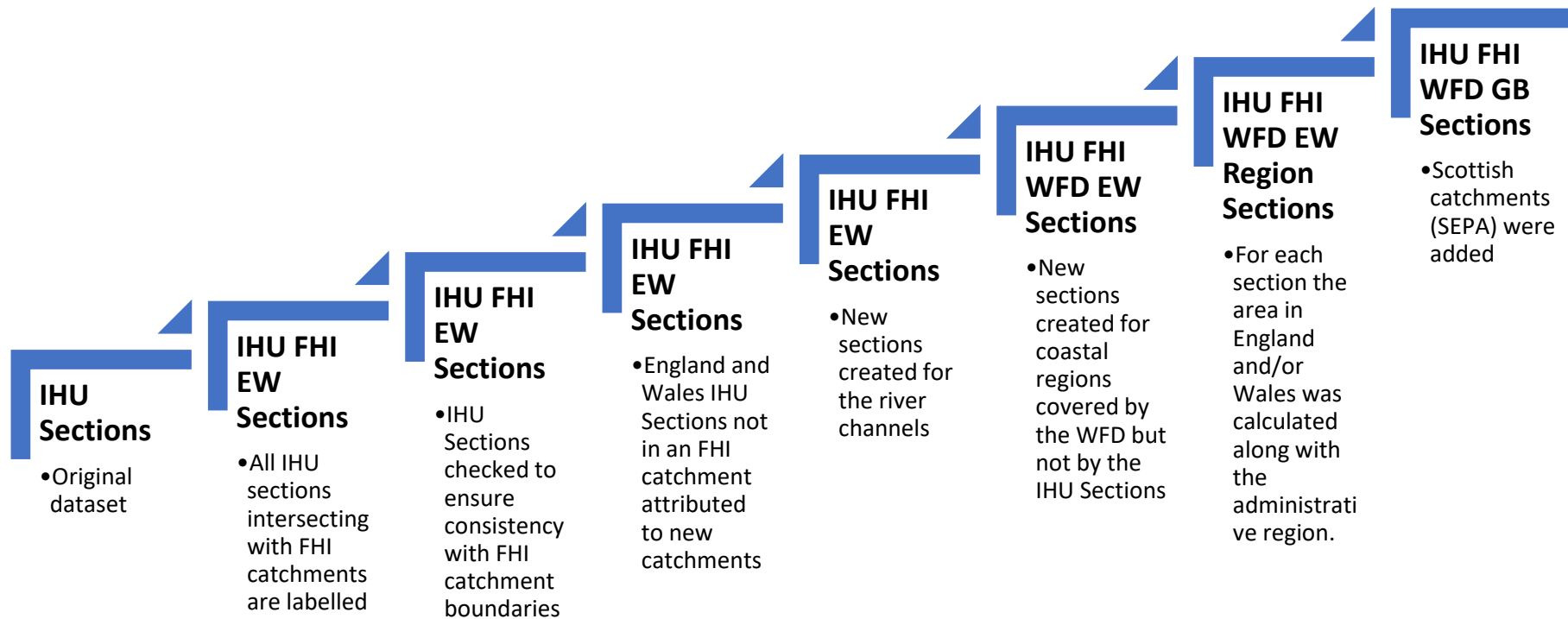- Scottish catchments (SEPA) were added

*Figure 3. Overview of the spatial data processing steps to generate the final data layer.*

## 2.1. Detail of Processing Steps

In this section the geoprocessing used to generate the final data layer is presented. This involves attributing each section from the CEH IHU section data layer to a catchment (either from the FHI catchments, SEPA catchments, or a new catchment), to an administrative region, and to a WFD river basin district. All geoprocessing was performed in ArcGIS Pro (2.9.0) with all datasets imported as feature classes into a geodatabase prior to processing.

1. Data sets (see Table 1) were imported into the default geodatabase.
2. IHU sections were spatially joined to the FHI catchments
3. Sections were checked for their overlap with the FHI catchments and adjusted accordingly:
   a. The majority overlap was used as the FHI catchment
   b. Sections to sea were included where applicable
   c. Sections were also included where the IHU HA and Group were the same and the section was not currently in any catchment
4. New catchments were generated to complete the coverage in England and Wales and these are listed in Appendix A.
5. Sections outside of the FHI boundary of England and Wales were also named (see Appendix A)
6. A data layer was generated by dissolving based on the catchment to create a series of polygons that represent each catchment.
7. Each catchment of the dissolved new catchment layer was checked and river inlets were "filled" in by editing the coastal boundary. This created a new data layer.
8. The Erase Function was used to clip out all of the "new" sections that represent river (up to the NTL) and coastal sections.
9. The new "NTL and Coastal" sections were labelled and were merged with the IHU sections layer to create a layer of IHU sections that were either:
   a. Original IHU sections associated with an FHI catchment
   b. Original IHU sections that were associated with a new catchment for England and Wales
   c. A new section that included the river NTL or coastal regions that was labelled with the associated catchment.
   d. Original IHU sections outside of England and Wales that were labelled accordingly.
10. To ensure coverage of the England and Wales waterbody catchments the complete IHUs from step 9 were used in the Erase tool to clip out the area of overlap with the WFD waterbodies layer. This created a series of mainly coastal polygons. These were manually checked and edited to ensure polygons were separately associated with individual catchments.
11. The area of each section was calculated in the new field.
12. The data layer in 9 was spatially joined to the England regions from the OS Boundary Line layer and each section that intersected England was labelled with the English region and English region ID.
13. A dissolved English Regions polygon was produced to represent England.
14. Using the "Cross Tabulation" function the complete IHU section layer was cross tabulated with the England polygon to determine the area of overlap of each section (how much of each section was in England)

15. The cross tabulation table was joined to the feature class layer and the area of overlap and the percentage of overlap of each section in England was derived.
16. Steps 11-14 was repeated for regions in Wales
17. The complete IHU sections were spatially joined to the England and Wales WFD waterbodies layer and the waterbody with the highest degree of overlap was used to label each section with its corresponding WFD waterbody.
18. Sections which were not labelled with processed as follows:
    a. Sections in the Isle of Man were labelled with "Isle of Man" as the waterbody
    b. Sections that were in the "Esk (Border)" and "Tweed" catchments but present in Scotland were labelled "Border Sections"
    c. Sections off in the Humber were associated with the nearest waterbody
    d. All remaining catchments were associated with the closest waterbody by using a spatial join between these sections and the waterbodies layer (1km search distance). The distance to the nearest waterbody is included in the fields.
19. For Scotland the SEPA river catchments were downloaded (Environmental data | Scottish Environment Protection Agency (SEPA))
20. A spatial join was made between the SEPA catchments and the Sections data layer. Note that only the SEPA CATCHMENT code was joined as there are no associated catchment names.
21. Scottish catchment names were generated using the river name for the largest section within the defined catchment boundary. Where there was no name available a suitable name was chosen. A list of the names can be found in Appendix B.
22. The catchments that are outside of catchment polygons and refer to the grid squares had the Scotland Catchment set to NULL
23. Sections were checked and those with any overlap but were NULL were set to the nearest catchment. Note this included some small islands.
24. The "Scottish" catchment sections were selected and dissolved to create a polygon layer of each catchment.  This was copied.
25. The dissolved layer was manually edited to "fill in" rivers and some coastal regions.
26. Using the erase tool the sections were cut from the layer in 24 to create a series of sections which represent river courses up to the NTL, plus some coastal catchments.  These were labelled "UNNAMED (River or Coastal)"
27. The Scottish sections were selected using rbd_id is NULL and catchmen_1 is not equal to Isle of Man and these had the rbd_id set to 1 and rbd_name to Scotland

## 2.2. Checks performed on the IHUSections_FHI_WFD_GB_BNG feature class

Checks were performed on the 'IHUSections_FHI_WFD_GB_BNG' feature class to ensure that there were no overlapping polygons, extraneous vertices or unnamed or unattributed polygons. The checks are outlined below:

1. A dissolve was done on the FHI catchment ID with "Create Mutlipart features" ticked.  This created the catchments boundaries which were checked and any errors corrected.
2. A dissolve was done on the FHI catchment ID with "Create Mutlipart features" unticked. This created the catchments boundaries around all isolated sections. These were checked and any errors corrected.
3. A dissolve was done on the Scottish catchment ID with "Create Mutlipart features" ticked. This created the catchments boundaries which were checked and any errors corrected.
4. The final layer was erased from the IHU sections to check that all sections are covered by the layer. Passing this test resulted in an empty output
5. Using the "Count Overlapping Features" the data layer was assessed for overlapping polygons. All overlapping polygons were removed.
6. Test 4 was repeated to ensure an empty output and all sections are present.
7. The test was repeated for the E&W water bodies and sections were modified to encompass all the area. Note only very minor changes were needed.
8. All the tests were repeated to ensure there were no overlapping polygons and complete coverage was present.

## 3. Final Feature Layers

The final feature layers produced were:

### 3.1. Feature Layers with Sections:

The fields in the attribute table are provided in Table 2.

1. ***IHUSections_FHI_WFD_GB_BNG***
   - A feature class polygon layer (CRS EPSG 27700) with all IHU Sections attributed to a FHI catchment, water framework river basin district, WFD waterbody (England and Wales), WFD Subcatchments (Scotland) and a regional district for England, Wales and Scotland. This layer also includes polygon features in England, Scotland and Wales that cover the river channel up to the NTL. For England and Wales, polygon features are also present to cover areas within the Water Framework Directive Waterbodies feature layer but not covered by the IHU sections.
2. ***IHUSections_FHI_WFD_GB_WGS***
   - As (1) but projected to WGS84 (ESPG 4326)

### 3.2. Feature Layers with Catchment boundaries:

These layers are dissolved layers built from the sections layers described above. The fields in the attribute table are provided in Table 3.

3. ***IHUCatchments_FHI_WFD_EW_BNG***
   - The feature class layer (1) dissolved for each FHI catchment (EPSG 27700)
4. ***IHUCatchments_FHI_WFD_EW_WGS***
   - The feature class layer (3) projected to WGS84 (ESPG 4326)
5. ***IHUCatchments_FHI_WFD_SC_BNG***
   - The feature class layer (1) dissolved for each Scottish FHI catchment (EPSG 27700)
6. ***IHUCatchments_FHI_WFD_SC_WGS***
   - The feature class layer (5) projected to WGS84 (ESPG 4326)
7. ***IHUCatchments_FHI_WFD_GB_BNG***
   - The feature class layer (1) dissolved for each GBFHI catchment (EPSG 27700)
8. ***IHUCatchments_FHI_WFD_ESW_WGS***
   - The feature class layer (7) projected to WGS84 (ESPG 4326)

### 3.3. Feature Layer Delivery

The final feature layers were delivered as a geopackage (GeoPackage 1.3) and for the catchment boundaries as shapefiles. Note that the sections feature layer is too large to be output as a shapefile (> 2.0 GB).

# 4. Attribute Table Field List - Sections

This table details the properties of each of the fields within the attribute table of the IHU sections layers:

- *IHUSections_FHI_WFD_GB_BNG*
- *IHUSections_FHI_WFD_GB_WGS*

To adhere with shapefile constraints the field names are limited to 10 characters.

| Field Name | Data Type | Field Length | Comments |
|---|---|---|---|
| **FHI Information** | | | |
| **Catchment_** | Text | 5 | This corresponds to the original catchment ID number used in the FHI layer. In this shapefile new catchments for England and Wales have been created and sections located outside of the these have been given identifiers. See catchment list for details. |
| **Catchmen_1** | Text | 50 | This is the FHI name of the catchment (see list) |
| **S_Catchmt** | Text | 255 | The Scottish catchment that the section is present in. Note the catchments are taken from the SEPA Catchment list () |
| **S_CatName** | Text | 255 | The name of the catchment that section is in. The names are taken from the RIVER of the largest section within the catchment. Where this is UNNAMED then a catchment name has been manually derived from mapping. |
| **ESW_CatID** | Text | 255 | A unique identifier for the catchment for Great Britain. The catchment ID is taken from the Catchment_ID and for those sections not labelled, the ID is taken from the S_Catchmt. To ensure unique numbering the ID is padded to 5 digits and the Scottish catchment IDs start from 10000. |
| **ESW_CNAM** | Text | 255 | The name of the catchment in Great Britain. This is taken from the Catchmen_1 and if no name present then the S_CatName is used. |
| **Sect_Area** | Double | | The calculated area of the section in km2 |
| **Location** | | | |
| **LocEng** | Short | 1 | 0 – The section is not located in England 1 - The section is located in England Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
| **LocScot** | Short | 1 | 0 – The section is not located in Scotland 1 - The section is located in Scotland Note that the regional boundaries are from the OS Boundary Line |

| | | | (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
|---|---|---|---|
| **LocWales** | Short | 1 | 0 – The section is not located in Wales<br>1 - The section is located in Wales<br><br>Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
| **LocOther** | Short | 1 | 0 – The section is located in either England, Scotland or Wales<br>1 - The section is located outside of England, Scotland or Wales<br><br>Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
| **Integrated Hydrological Units – Sections – information.** | | | |
| **HA_NUM** | Long | | The IHU Hydrological Area number that the section is member of. Sections are taken from the CEH Integrated Hydrological Units data layer (https://catalogue.ceh.ac.uk/documents/10d419c8-8f65-4b85-a78a-3d6e0485fa1f) |
| **S_ID** | Text | 14 | The IHU section ID number. |
| **S_NAME** | Text | 254 | The section ID name.<br>UNNAMED if no name present.<br>Note for derived sections produced in addition to the CEH IHU Sections these are marked "River and Coastal". |
| **RIVER** | Text | 254 | The river the section is associated with.<br>UNNAMED if no name present.<br>Note for derived sections produced in addition to the CEH IHU Sections these are marked "UNNAMED". |
| **RIVER_US** | Text | 254 | The river upstream of the section.<br>UNNAMED if no name present.<br>Note for derived sections produced in addition to the CEH IHU Sections these are marked "Source". |
| **RIVER_DS** | Text | 254 | The river downstream of the section.<br>UNNAMED if no name present.<br>Note for derived sections produced in addition to the CEH IHU Sections these are marked "Sea". |
| **G_ID** | Text | 10 | The IHU group ID that the section is a member of. |
| **S_DS_ID** | Text | 14 | The ID number of the downstream section. |
| **HA_ID** | Text | 5 | The IHU HA ID number that the section is a member of. |
| **Water Framework Directive river basin districts and waterbodies.** | | | |
| **ESW_RBD_ID** | Double | | The ID number of the river basin district that the section is a member of. |
| **ESW_RBD_NM** | Text | 100 | The name of the river basin district in England and Wales. |
| **EW_WB_ID** | Double | 30 | The WFD Waterbody ID number with the largest amount of overlap with the section. |

| | | | Note that this is for the WFD Waterbodies for England and Wales Cycle 2 (https://www.data.gov.uk/dataset/298258ee-c4a0-4505-a3b5-0e6585ecfdb2/wfd-river-waterbody-catchments-cycle-2). |
|---|---|---|---|
| **EW_WB_NAME** | Text | 100 | The name of the WFD Waterbody with the largest amount of overlap with the section. Note that this is for the WFD Waterbodies for England and Wales Cycle 2 (https://www.data.gov.uk/dataset/298258ee-c4a0-4505-a3b5-0e6585ecfdb2/wfd-river-waterbody-catchments-cycle-2). |
| **EW_WB_CAT** | | 100 | The type of catchment of the WFD Waterbody with the largest amount of overlap with the section. Note that this is for the WFD Waterbodies for England and Wales Cycle 2 (https://www.data.gov.uk/dataset/298258ee-c4a0-4505-a3b5-0e6585ecfdb2/wfd-river-waterbody-catchments-cycle-2). |
| **S_WB_ID** | Double | 10 | The SEPA WFD sub-catchment ID number that the majority of the section overlaps. |
| **S_WB_NM** | Text | 240 | The SEPA WFD sub-catchment name that the majority of the section overlaps. REF |
| **W_WFD_ID** | Text | 30 | The Welsh WFD waterbody ID with the largest amount of overlap with the section. Note this is the field "EA_WB_ID" from the WFD Waterbodies for England and Wales Cycle 2 (https://www.data.gov.uk/dataset/298258ee-c4a0-4505-a3b5-0e6585ecfdb2/wfd-river-waterbody-catchments-cycle-2). |
| **W_WFD_OC** | Text | 150 | The Welsh WFD operational catchment with the largest amount of overlap with the section. Note this is the field "OPCATNAME" from the WFD Waterbodies for England and Wales Cycle 2 (https://www.data.gov.uk/dataset/298258ee-c4a0-4505-a3b5-0e6585ecfdb2/wfd-river-waterbody-catchments-cycle-2). |
| **W_WFD_MC** | Text | 150 | The Welsh WFD management catchment with the largest amount of overlap with the section. Note this is the field "MANCATNAME" from the WFD Waterbodies for England and Wales Cycle 2 (https://www.data.gov.uk/dataset/298258ee-c4a0-4505-a3b5-0e6585ecfdb2/wfd-river-waterbody-catchments-cycle-2). |
| **Location Information** | | | |
| **RegEng** | Text | 255 | The English region the section is located in. NULL is not located in England. Note that the regional boundaries are from the OS Boundary Line |

| | | | (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
|---|---|---|---|
| **RegEngID** | Double | | The ID number of the English region. |
| **POVEng** | Double | | The percentage of the total area of the section located in England. Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
| **RegSct** | Text | 255 | The Scottish region the section is located in. NULL is not located in England. Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
| **RegSctID** | Double | | The ID number of the Scottish region. |
| **POVSct** | Double | | The percentage of the total area of the section located in Scotland. Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
| **RegWls** | Text | 255 | The Welsh region the section is located in. NULL is not located in England. Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |
| **RegWlsID** | Double | | The ID number of the Welsh region. |
| **POVWls** | Double | | The percentage of the total area of the section located in Wales. Note that the regional boundaries are from the OS Boundary Line (https://www.ordnancesurvey.co.uk/products/boundary-line#technical) |

*Table 2. Field properties for data in the attribute table of the sections data layers.*

## 5.  Attribute Table Field List - Catchments

This table details the properties of each of the fields within the attribute table of the IHU catchment layers:

- *IHUCatchments_FHI_WFD_EW_BNG*
- *IHUCatchments_FHI_WFD_EW_WGS*
- *IHUCatchments_FHI_WFD_SC_BNG*
- *IHUCatchments_FHI_WFD_SC_WGS*
- *IHUCatchments_FHI_WFD_GB_BNG*
- *IHUCatchments_FHI_WFD_GB_WGS*

| Field Name | Data Type | Field Length | Comments |
|---|---|---|---|
| **Catchment_** | Text | 5 (EW)<br>255 (SC)<br>255 (GB) | This corresponds to:<br>• FHI catchment ID for IHUCatchments_FHI_WFD_EW<br>• Scottish catchment ID for IHUCatchments_FHI_WFD_SC<br>• GB catchment ID for IHUCatchments_FHI_WFD_GB |
| **Catchmen_1** | Text | 50 (EW)<br>255 (SC)<br>255 (GB) | This corresponds to:<br>• FHI catchment NAME for IHUCatchments_FHI_WFD_EW<br>• Scottish catchment NAME for IHUCatchments_FHI_WFD_SC<br>• GB catchment NAME for IHUCatchments_FHI_WFD_GB |
| **COUNT_S_ID** | Long | | The number of sections that make up the catchment. |

*Table 3. Field properties for data in the attribute table of the catchment boundary data layers.*

## References

1.  Kral, F.; Fry, M.; Dixon, H. (2015). **Integrated Hydrological Units of the United Kingdom: Catchments**. NERC Environmental Information Data Centre. (Dataset). https://doi.org/10.5285/10d419c8-8f65-4b85-a78a-3d6e0485fa1f

# Appendix A

## A.1. England and Wales Catchment List

This is a list of the catchment identifier numbers (Catchment_ field in the attribute table) and the corresponding catchment name (Catchmen_1 field in the attribute table) for the FHI catchments for England and Wales.

### A.1.1. Existing FHI Catchments:

| Catchment ID | Catchment name |
|---|---|
| 0010 | Esk (Border) |
| 0020 | Eden |
| 0030 | Ellen |
| 0040 | Derwent |
| 0050 | Ehen |
| 0060 | Calder |
| 0070 | Irt |
| 0080 | Duddon |
| 0085 | Burlington |
| 0090 | Crake |
| 0100 | Leven |
| 0105 | Winster |
| 0110 | Kent |
| 0120 | Keer |
| 0130 | Lune |
| 0140 | Wyre |
| 0150 | Ribble |
| 0160 | Douglas |
| 0164 | Three Pools Waterway |
| 0166 | Alt |
| 0170 | Mersey |
| 0180 | Weaver |
| 0190 | Dee |
| 0200 | Clwyd |
| 0210 | Conwy |
| 0220 | Ogwen |
| 0230 | Seiont |
| 0235 | Taicochion Area |
| 0240 | Gwyfrai |
| 0250 | Llyfni |
| 0260 | Dwyfor |
| 0270 | Glaslyn |
| 0280 | Dwyryd |
| 0285 | Artro |
| 0290 | Mawddach |
| 0300 | Dysynni |
| 0310 | Dyri (Dovey) |

| 0320 | Rheidol |
|------|---------|
| 0330 | Ystwyth |
| 0340 | Aeron |
| 0350 | Teifi |
| 0352 | Nyfer |
| 0355 | Alun |
| 0360 | Western Cleddau |
| 0370 | Eastern Cleddau |
| 0375 | Castle Stream |
| 0380 | Taf |
| 0390 | Tywi |
| 0400 | Gwendraeth Fach |
| 0410 | Gwendraeth Fawr |
| 0420 | Loughor |
| 0429 | University of Swansea |
| 0430 | Tawe |
| 0440 | Neath |
| 0450 | Afan |
| 0455 | Afon Cynffig & Eglwys Nunydd Reservoir |
| 0460 | Ogmore |
| 0470 | Ely |
| 0480 | Taff |
| 0490 | Rhymney |
| 0500 | Ebbw |
| 0510 | Usk |
| 0513 | Caldicott Level |
| 0515 | Castroggy Brook |
| 0520 | Wye |
| 0525 | Lyd |
| 0530 | Severn |
| 0540 | Avon (Little) |
| 0550 | Avon (Bristol) |
| 0554 | Congresbury Yeo |
| 0556 | Axe (Somerset) |
| 0560 | Brue |
| 0570 | Parrett |
| 0571 | Stogursey Brook |
| 0574 | Washford |
| 0576 | Avill |
| 0580 | Lyn |
| 0585 | Heddon |
| 0590 | Taw |
| 0600 | Torridge |
| 0604 | Valency |

| 0606 | Rocky Valley |
| --- | --- |
| 0610 | Camel |
| 0612 | Porth Stream and Reservoir |
| 0614 | River Gannet |
| 0616 | Perranporth Stream |
| 0618 | Red River (North Cornwall) |
| 0620 | Hayle |
| 0622 | St. Just |
| 0624 | Newlyn & Heamoor |
| 0625 | Trevaylor Stream |
| 0626 | Red River (South Cornwall) |
| 0628 | Cober |
| 0630 | Kennal |
| 0635 | Caerhayes Stream |
| 0639 | Par |
| 0640 | Fowey |
| 0645 | East Looe |
| 0650 | Lynher |
| 0660 | Tamar |
| 0670 | Tavy |
| 0675 | Mayflower International Marina |
| 0680 | Plym |
| 0690 | Yealm |
| 0700 | Erme |
| 0710 | Avon (Devon) |
| 0712 | Kingsbridge |
| 0715 | Slapton Ley & Gara |
| 0720 | Dart |
| 0722 | Zeneca - ICI Brixham Laboratory |
| 0730 | Teign |
| 0735 | Dawlish |
| 0740 | Exe |
| 0750 | Otter |
| 0755 | Branscombe |
| 0760 | Axe (Devon) |
| 0761 | Lim |
| 0763 | Winniford |
| 0765 | Brit |
| 0766 | Bride |
| 0767 | Wey |
| 0769 | Corfe |
| 0770 | Frome |
| 0780 | Piddle |
| 0790 | Stour (Dorset) |

| 0800 | Avon (Hampshire) |
|------|------------------|
| 0804 | Avon Water |
| 0805 | Lymington |
| 0810 | Test |
| 0820 | Itchen |
| 0825 | Hamble |
| 0830 | Meon |
| 0834 | Wallington |
| 0836 | Chichester Harbour |
| 0840 | Arun |
| 0845 | Ferring Area |
| 0850 | Adur |
| 0860 | Ouse (Sussex) |
| 0864 | Cuckmere |
| 0866 | Wallers Haven |
| 0868 | Crowhurst |
| 0870 | Rother |
| 0880 | Stour (Kent) |
| 0890 | Medway |
| 0900 | Thames |
| 0905 | Crouch |
| 0910 | Chelmer |
| 0915 | Colne |
| 0920 | Stour (Suffolk) |
| 0930 | Orwell |
| 0940 | Deben |
| 0942 | Alde |
| 0944 | Minsmere River |
| 0949 | Kessingland Hundred |
| 0950 | Waveney |
| 0960 | Yare |
| 0970 | Bure |
| 0975 | Glaven |
| 0980 | Great Ouse |
| 0990 | Nene |
| 1000 | Welland |
| 1010 | Witham |
| 1020 | Great Eau |
| 1025 | Ancholme |
| 1030 | Trent |
| 1040 | Don |
| 1050 | Ouse (Yorkshire) |
| 1060 | Hull |
| 1065 | Gypsey Race |

| 1070 | Esk (Yorkshire) |
|------|-----------------|
| 1080 | Tees |
| 1090 | Wear |
| 1100 | Tyne |
| 1110 | Blyth |
| 1120 | Wansbeck |
| 1130 | Coquet |
| 1140 | Aln |
| 1150 | Tweed |
| 1180 | Medina |
| 1185 | Blackbridge Brook |
| 1190 | Yar |
| 1195 | Grange Chine |

## A.1.2. New Catchments in England and Wales

These are the new catchments for England and Wales to ensure full coverage.

| Catchment ID | Catchment name |
|--------------|----------------|
| 2000 | Wampool River |
| 2001 | Flimby |
| 2002 | Whitehaven and Distington |
| 2003 | Whitbeck |
| 2004 | Furness |
| 2005 | Grange |
| 2006 | Morecambe |
| 2007 | Lytham |
| 2008 | Liverpool |
| 2009 | Ellesmere Port |
| 2010 | Colwyn Bay |
| 2011 | Penmaenmawr |
| 2012 | Menai |
| 2013 | Anglesey |
| 2014 | Groeslon |
| 2015 | Lleyn Peninsula |
| 2016 | Pentrefelin |
| 2017 | Ysgethin |
| 2018 | Gwril |
| 2019 | Dyffryn Gwyn |
| 2020 | Llanrhystud |
| 2021 | Ffynnonddewi |
| 2022 | Ceibwr |
| 2023 | Fishguard |
| 2024 | St. Brides Bay |
| 2025 | Milford Haven South |
| 2026 | Pembroke |

| 2027 | Carew |
| 2028 | Cresswell |
| 2029 | Ritec |
| 2030 | Caldey Island |
| 2031 | Burry Port |
| 2032 | Gower |
| 2033 | Barry |
| 2034 | Mounton Brook |
| 2035 | Doniford |
| 2036 | Pill |
| 2037 | Porlock |
| 2038 | Lee |
| 2039 | Ilfracombe |
| 2040 | Lundy |
| 2041 | Bude |
| 2042 | Treligga |
| 2043 | Menalhyl |
| 2044 | Holywell |
| 2045 | Portreath |
| 2046 | St. Ives |
| 2047 | Lamorna |
| 2048 | Breage |
| 2049 | Helford |
| 2050 | Portloe |
| 2051 | St. Austell |
| 2052 | Pol |
| 2053 | Seaton |
| 2054 | Torpoint |
| 2055 | Kingston |
| 2056 | Tor Bay |
| 2057 | Sid |
| 2058 | Axemouth Coast |
| 2059 | Char |
| 2060 | Abbotsbury and Fleet |
| 2061 | Portland |
| 2062 | South Dorset Coast |
| 2063 | Brownsea Island |
| 2064 | Sherford |
| 2065 | Poole Harbour |
| 2066 | Western Isle of Wight |
| 2067 | Southern Isle of Wight |
| 2068 | Ryde |
| 2069 | Cowes |
| 2070 | Sheerness |

| 2071 | Broad Fleet |
|------|-------------|
| 2072 | Holland Brook |
| 2073 | Blyth (Suffolk) |
| 2074 | Stiffkey |
| 2075 | Burn |
| 2076 | North Norfolk |
| 2077 | Heacham Harbour |
| 2078 | The Ingol |
| 2079 | Robin Hoods Bay |
| 2080 | East Row Beck |
| 2081 | Mickleby Beck |
| 2082 | Roxby Beck |
| 2083 | Kilton Beck |
| 2084 | Skelton Beck |
| 2085 | Crimdon Beck |
| 2086 | Castle Eden Burn |
| 2087 | Seaham |
| 2088 | Lyne |
| 2089 | Bamburgh |

## A.1.3. Other Catchments

These are other areas that have been assigned a catchment name to ensure coverage. These include areas outside of England and Wales and also large inland water bodies.

| Catchment ID | Catchment name |
|--------------|----------------|
| 9000 | Scotland |
| 9001 | Isle of Man |
| 9002 | Isles of Scilly |
| 9005 | Poole Harbour Water |

# Appendix B

## B.1. Scottish Catchment List

This is a list of the catchment identifier number (S_Catchmt in the attribute table) and the corresponding catchment name (S_CatNAME field in the attribute table) for the Scottish catchments taken from the SEPA catchment layer. Note that the names were derived from the name of the majority section within the catchment, or another suitable name, as there were no catchment names supplied.

### B.1.1. Scottish catchments

| Catchment ID | Catchment name |
| --- | --- |
| 1 | Burn of Lyth |
| 10 | Shin |
| 100 | Endrick Water |
| 101 | Ruel |
| 102 | Cur |
| 103 | Loch Fyne Coastal |
| 104 | Conie Water |
| 105 | Argyll & Bute |
| 106 | Add |
| 107 | Kinglass |
| 108 | Awe |
| 1083 | Vaila |
| 109 | Etive |
| 11 | Cassley |
| 110 | Loch Linne (South) |
| 111 | Blackwater Reservoir |
| 112 | River Lochy |
| 113 | Mucomir Cut |
| 1135 | Papa Stour |
| 114 | Scaddle |
| 115 | Loch Shiel |
| 116 | Allt Beitheach |
| 117 | Glenfinnan |
| 118 | Elchaig |
| 119 | Morar |
| 12 | Oykel |
| 120 | Ling |
| 121 | Loch Dughaill (River Carron) |
| 122 | Loch Torridon |
| 123 | Ewe |
| 124 | Ullapool & Highlands West Coast |
| 1246 | Vementry |
| 125 | Gruinard |

| 126 | Abhainn Cuileig |
|-----|-----------------|
| 1266 | Papa Little |
| 1268 | Muckle Row |
| 127 | Ledmore |
| 128 | Inver |
| 129 | Laxford |
| 13 | Carron |
| 130 | Dionard |
| 131 | Loch Hope |
| 132 | Loch Loyal |
| 133 | Naver |
| 134 | Strathy |
| 135 | Trantlebeg Burn |
| 136 | Thurso Coast |
| 137 | Forss Water |
| 138 | Thurso |
| 139 | Loch Langavat |
| 14 | Cromarty Firth |
| 140 | Loch of Harray & Loch of Stennes |
| 141 | Deadwater Burn |
| 1478 | Da Burn o Ham |
| 1496 | Vaadal |
| 15 | Averon |
| 1540 | North Ronaldsay |
| 1541 | Papa Westray |
| 1543 | Westray |
| 1557 | Sanday (Orkney) |
| 1569 | Eday |
| 1571 | Faray |
| 1579 | Rousay |
| 1582 | Eglisay |
| 1585 | Wyre (Orkney) |
| 1589 | Stronsay |
| 1596 | Orkney Main Island Coast |
| 16 | Loch Glass |
| 1610 | Graemsay |
| 1620 | Bay of Firth Islands |
| 1621 | Gairsay |
| 1627 | Shapinsay |
| 1632 | Auskerry |
| 1638 | Lamb Holm |
| 1639 | Glimps Holm |
| 1640 | South Ronaldsay |
| 1645 | Flotta |

| 1649 | Fara |
|------|------|
| 1650 | Longhope & Switha |
| 1651 | Hoy |
| 1654 | Swona |
| 1657 | Muckle Skerry |
| 1660 | Stroma Island |
| 17 | Orrin |
| 18 | Moniack Burn |
| 1833 | Isle of May |
| 1841 | Inchkeith |
| 1846 | Inchcolm |
| 1854 | Cramond Island |
| 1862 | Bass Rock |
| 19 | Loch Mullardoch & Monar & River Affric |
| 1904 | Little Cumbrae |
| 1907 | Great Cumbrae |
| 1921 | Bute |
| 1922 | Midpark |
| 1947 | Castleton Island |
| 1954 | Isle of Arran |
| 1958 | Holy Isle |
| 1971 | Davaar Island |
| 1975 | Sanda Island |
| 1981 | Cara Island |
| 1983 | Isle of Gighe |
| 2 | Wick |
| 20 | Moray Firth (South) |
| 2092 | Eilean da Mheinn |
| 21 | Garry |
| 211 | Unst |
| 2137 | Islay |
| 22 | Kinloss |
| 23 | Nairn |
| 2303 | Corran |
| 236 | Balta |
| 239 | Huney |
| 2396 | Falkirk |
| 24 | Muckle Burn |
| 2424 | Oronsay |
| 2438 | Scarba |
| 244 | Uyea |
| 2456 | Lunga and Slate Islands |
| 2492 | Luing |
| 25 | Findhorn |

| 2517 | Isle of Shuna |
|------|---------------|
| 2530 | Torsa Island |
| 2534 | Balvicar |
| 2551 | Easdale Island |
| 2560 | Isle of Kerrera |
| 2562 | Ardantrive Bay Island |
| 2591 | Eriska |
| 2599 | Shuna Island |
| 26 | Lossie |
| 2600 | Eilean Balnagowan |
| 2619 | Loch Eil Beach |
| 2637 | Lismore |
| 2642 | Lismore North Islands |
| 2663 | Lussa |
| 27 | Spey Coast and Valley Ridges |
| 2752 | Tinkers Hole |
| 28 | Spey |
| 2805 | Iona |
| 29 | Burn of Boyne |
| 2919 | Eilean Casach |
| 2922 | Ulva |
| 2982 | Little Colonsay |
| 2986 | Staffa |
| 3 | Burn of Houstry |
| 30 | Deveron |
| 3030 | Calve Island |
| 3032 | Eilean na Beithe |
| 3054 | Skerryvore |
| 3055 | Abhainn a' Bheidhe |
| 31 | Water of Cruden |
| 3134 | Isle of Coll |
| 32 | South Ugie Water |
| 322 | Yell |
| 33 | Ythan |
| 3301 | Isle of Muck |
| 3309 | Allt a' Cham Loin |
| 3315 | Kinloch |
| 3329 | Isle of Canna |
| 3339 | Sanday |
| 34 | River Don Coastal |
| 3427 | Eilean Shona |
| 345 | Hascosay |
| 35 | Don |
| 36 | Den Burn |

| 3659 | Skye |
|------|------|
| 3668 | Ornsay |
| 37 | Dee |
| 3723 | Soay |
| 3739 | Wiay |
| 38 | Cowie Water |
| 3853 | Rona  (Portree) |
| 3897 | Raasay |
| 3898 | Eilean Fladday |
| 39 | Bervie Water |
| 3924 | Allt Liath |
| 3930 | Pabay |
| 4 | Langwell Water |
| 40 | North Esk |
| 4047 | Crowlin Islands |
| 4074 | Isle of Horrisdale |
| 4076 | Coolas Bad a Chrotha Beach |
| 41 | South Esk |
| 4104 | Isle of Ewe |
| 4149 | Priest Island |
| 4160 | Summer Isles |
| 42 | Lunan Water Source |
| 43 | Dundee & Coast |
| 44 | Fithie Burn |
| 45 | Bandirran Burn |
| 452 | Houbie |
| 46 | Tummel |
| 4636 | Lewis & South Harris |
| 47 | Farg |
| 4718 | Eilean Chaluim Chille |
| 4748 | Eilean Liubhaird |
| 4774 | Eilean Shiophoirt |
| 4781 | Scalpay |
| 48 | Earn |
| 4811 | Sgeotasaigh |
| 4863 | Loch an t-Saile |
| 49 | Motray Water |
| 4952 | Taransay |
| 5 | Brora Coast |
| 50 | Eden |
| 5014 | Scarp |
| 5038 | Eilean Mhealasta |
| 51 | Bluther Burn |
| 5118 | Pabaigh Mor |

| 5136 | Bhacasaigh |
|------|-----------|
| 5144 | Fuaigh Mor |
| 5151 | Flodaigh Lewis |
| 5154 | Cliatasaigh |
| 5172 | Loch Rog Small Island |
| 5173 | Eilean nam Feannag |
| 5174 | Linngeam |
| 5176 | Loch Barraglom Small Island |
| 52 | Kinross |
| 5222 | Little Bernera |
| 5240 | Great Bernera |
| 53 | Bannock Burn |
| 5324 | Rona & Sule Skerry |
| 536 | Shetland |
| 5375 | St. Kilda |
| 54 | Devon |
| 5401 | Pabbay |
| 5408 | Ensay |
| 5411 | Killegray |
| 55 | Allan Water |
| 5524 | Hermetray |
| 5549 | Loch Bhrusda (Berneray) |
| 5562 | North Uist |
| 5563 | Loch Carabhat |
| 5564 | Benbecula |
| 56 | Forth |
| 566 | Lamba |
| 5689 | Ceallasaigh |
| 57 | Firth of Forth (South) |
| 571 | Little Roe |
| 58 | Bonny water |
| 5803 | Flodday |
| 59 | Avon |
| 5917 | Flodaigh Beag |
| 5922 | Flodaigh Mor |
| 5949 | Ronay |
| 5978 | Loch Nighe |
| 6 | Allt na h-Aireimh |
| 60 | Braid Burn |
| 6053 | Flodaigh |
| 61 | Gogar Burn |
| 611 | West Linga |
| 613 | Walsay |
| 6178 | Cherarabhaigh |

| 6183 | Wiay (Outer Hebrides) |
|------|------------------------|
| 62 | Water of Leith |
| 63 | Esk |
| 638 | Bruray |
| 6392 | Eilean Leathann |
| 64 | Peffer Burn |
| 6411 | Baleshare |
| 6465 | Kirkbost |
| 65 | Tyne |
| 6527 | Boreray |
| 6543 | Monach Islands (West) |
| 6553 | Monach Islands (East) |
| 6582 | Haskeir |
| 6584 | South Uist |
| 66 | Allerdeanmill Burn |
| 67 | Eye Water |
| 6732 | Gasaigh |
| 6756 | Eileanan Iasgaich |
| 6794 | Eriskay |
| 68 | Whiteadder Water |
| 6824 | Fiaraidh |
| 6825 | Fuday |
| 6826 | Barra |
| 6832 | Mullach a Charnain |
| 6834 | Beinn a Charnain |
| 69 | Teviot |
| 6904 | Vatersay |
| 6913 | Sandray |
| 6926 | Pabaigh |
| 6942 | Mingulay |
| 6948 | Berneray |
| 7 | Brora |
| 70 | Kirtle Water |
| 71 | Hether Burn |
| 72 | River Annan (Coastal) |
| 73 | Water of Milk |
| 74 | Bogrie Lane |
| 75 | Park Burn |
| 7529 | Petteril |
| 7543 | Wiza Beck |
| 76 | Pennyland Burn |
| 77 | Urr water |
| 771 | Bressay |
| 772 | Isle of Noss |

| 78 | Urr Water |
| 79 | Loch Ken or Dee |
| 8 | Abhainn an t-Sratha Charnaig |
| 80 | Dowalton Burn |
| 81 | Penkiln Burn |
| 816 | Mousa |
| 82 | Tarf Water |
| 83 | Cross Water of Luce |
| 84 | Turnberry & Girvan Coastal |
| 85 | Stinchar |
| 86 | Water of Girvan |
| 87 | Doon |
| 877 | Colsay |
| 88 | Pow Burn |
| 89 | Water of Coyle |
| 9 | Dornoch Firth |
| 90 | Irvine |
| 91 | Garnock Water |
| 92 | Kip Water |
| 925 | East Burra |
| 926 | West Burra |
| 93 | Molendinar Burn |
| 94 | Gryffe |
| 944 | Trondra |
| 95 | Calder |
| 96 | Levern Water |
| 967 | Oxna |
| 97 | Duneaton Water |
| 98 | Kelvin |
| 981 | Hildasay |
| 99 | Geilston Burn |

# Appendix C
## C.1. Great Britain Catchment List
This is a list of the catchment identifier numbers (ESW_CatID in the attribute table) and the corresponding catchment name (ESW_CNAM field in the attribute table) for the complete catchment list for England, Scotland and Wales.

### C.1.1. England, Scotland, and Wales Catchments

| Catchment ID | Catchment name |
|---|---|
| 00010 | Esk (Border) |
| 00020 | Eden |
| 00030 | Ellen |
| 00040 | Derwent |
| 00050 | Ehen |
| 00060 | Calder |
| 00070 | Irt |
| 00080 | Duddon |
| 00085 | Burlington |
| 00090 | Crake |
| 00100 | Leven |
| 00105 | Winster |
| 00110 | Kent |
| 00120 | Keer |
| 00130 | Lune |
| 00140 | Wyre |
| 00150 | Ribble |
| 00160 | Douglas |
| 00164 | Three Pools Waterway |
| 00166 | Alt |
| 00170 | Mersey |
| 00180 | Weaver |
| 00190 | Dee |
| 00200 | Clwyd |
| 00210 | Conwy |
| 00220 | Ogwen |
| 00230 | Seiont |
| 00235 | Taicochion Area |
| 00240 | Gwyfrai |
| 00250 | Llyfni |
| 00260 | Dwyfor |
| 00270 | Glaslyn |
| 00280 | Dwyryd |
| 00285 | Artro |
| 00290 | Mawddach |

| 00300 | Dysynni |
| 00310 | Dyri (Dovey) |
| 00320 | Rheidol |
| 00330 | Ystwyth |
| 00340 | Aeron |
| 00350 | Teifi |
| 00352 | Nyfer |
| 00355 | Alun |
| 00360 | Western Cleddau |
| 00370 | Eastern Cleddau |
| 00375 | Castle Stream |
| 00380 | Taf |
| 00390 | Tywi |
| 00400 | Gwendraeth Fach |
| 00410 | Gwendraeth Fawr |
| 00420 | Loughor |
| 00429 | University of Swansea |
| 00430 | Tawe |
| 00440 | Neath |
| 00450 | Afan |
| 00455 | Afon Cynffig & Eglwys Nunydd Reservoir |
| 00460 | Ogmore |
| 00470 | Ely |
| 00480 | Taff |
| 00490 | Rhymney |
| 00500 | Ebbw |
| 00510 | Usk |
| 00513 | Caldicott Level |
| 00515 | Castroggy Brook |
| 00520 | Wye |
| 00525 | Lyd |
| 00530 | Severn |
| 00540 | Avon (Little) |
| 00550 | Avon (Bristol) |
| 00554 | Congresbury Yeo |
| 00556 | Axe (Somerset) |
| 00560 | Brue |
| 00570 | Parrett |
| 00571 | Stogursey Brook |
| 00574 | Washford |
| 00576 | Avill |
| 00580 | Lyn |
| 00585 | Heddon |
| 00590 | Taw |

| 00600 | Torridge |
|-------|----------|
| 00604 | Valency |
| 00606 | Rocky Valley |
| 00610 | Camel |
| 00612 | Porth Stream and Reservoir |
| 00614 | River Gannet |
| 00616 | Perranporth Stream |
| 00618 | Red River (North Cornwall) |
| 00620 | Hayle |
| 00622 | St. Just |
| 00624 | Newlyn & Heamoor |
| 00625 | Trevaylor Stream |
| 00626 | Red River (South Cornwall) |
| 00628 | Cober |
| 00630 | Kennal |
| 00635 | Caerhayes Stream |
| 00639 | Par |
| 00640 | Fowey |
| 00645 | East Looe |
| 00650 | Lynher |
| 00660 | Tamar |
| 00670 | Tavy |
| 00675 | Mayflower International Marina |
| 00680 | Plym |
| 00690 | Yealm |
| 00700 | Erme |
| 00710 | Avon (Devon) |
| 00712 | Kingsbridge |
| 00715 | Slapton Ley & Gara |
| 00720 | Dart |
| 00722 | Zeneca - ICI Brixham Laboratory |
| 00730 | Teign |
| 00735 | Dawlish |
| 00740 | Exe |
| 00750 | Otter |
| 00755 | Branscombe |
| 00760 | Axe (Devon) |
| 00761 | Lim |
| 00763 | Winniford |
| 00765 | Brit |
| 00766 | Bride |
| 00767 | Wey |
| 00769 | Corfe |
| 00770 | Frome |

| 00780 | Piddle |
|-------|--------|
| 00790 | Stour (Dorset) |
| 00800 | Avon (Hampshire) |
| 00804 | Avon Water |
| 00805 | Lymington |
| 00810 | Test |
| 00820 | Itchen |
| 00825 | Hamble |
| 00830 | Meon |
| 00834 | Wallington |
| 00836 | Chichester Harbour |
| 00840 | Arun |
| 00845 | Ferring Area |
| 00850 | Adur |
| 00860 | Ouse (Sussex) |
| 00864 | Cuckmere |
| 00866 | Wallers Haven |
| 00868 | Crowhurst |
| 00870 | Rother |
| 00880 | Stour (Kent) |
| 00890 | Medway |
| 00900 | Thames |
| 00905 | Crouch |
| 00910 | Chelmer |
| 00915 | Colne |
| 00920 | Stour (Suffolk) |
| 00930 | Orwell |
| 00940 | Deben |
| 00942 | Alde |
| 00944 | Minsmere River |
| 00949 | Kessingland Hundred |
| 00950 | Waveney |
| 00960 | Yare |
| 00970 | Bure |
| 00975 | Glaven |
| 00980 | Great Ouse |
| 00990 | Nene |
| 01000 | Welland |
| 01010 | Witham |
| 01020 | Great Eau |
| 01025 | Ancholme |
| 01030 | Trent |
| 01040 | Don |
| 01050 | Ouse (Yorkshire) |

| 01060 | Hull |
|-------|------|
| 01065 | Gypsey Race |
| 01070 | Esk (Yorkshire) |
| 01080 | Tees |
| 01090 | Wear |
| 01100 | Tyne |
| 01110 | Blyth |
| 01120 | Wansbeck |
| 01130 | Coquet |
| 01140 | Aln |
| 01150 | Tweed |
| 01180 | Medina |
| 01185 | Blackbridge Brook |
| 01190 | Yar |
| 01195 | Grange Chine |
| 02000 | Wampool River |
| 02001 | Flimby |
| 02002 | Whitehaven and Distington |
| 02003 | Whitbeck |
| 02004 | Furness |
| 02005 | Grange |
| 02006 | Morecambe |
| 02007 | Lytham |
| 02008 | Liverpool |
| 02009 | Ellesmere Port |
| 02010 | Colwyn Bay |
| 02011 | Penmaenmawr |
| 02012 | Menai |
| 02013 | Anglesey |
| 02014 | Groeslon |
| 02015 | Lleyn Peninsula |
| 02016 | Pentrefelin |
| 02017 | Ysgethin |
| 02018 | Gwril |
| 02019 | Dyffryn Gwyn |
| 02020 | Llanrhystud |
| 02021 | Ffynnonddewi |
| 02022 | Ceibwr |
| 02023 | Fishguard |
| 02024 | St. Brides Bay |
| 02025 | Milford Haven South |
| 02026 | Pembroke |
| 02027 | Carew |
| 02028 | Cresswell |

| 02029 | Ritec |
| 02030 | Caldey Island |
| 02031 | Burry Port |
| 02032 | Gower |
| 02033 | Barry |
| 02034 | Mounton Brook |
| 02035 | Doniford |
| 02036 | Pill |
| 02037 | Porlock |
| 02038 | Lee |
| 02039 | Ilfracombe |
| 02040 | Lundy |
| 02041 | Bude |
| 02042 | Treligga |
| 02043 | Menalhyl |
| 02044 | Holywell |
| 02045 | Portreath |
| 02046 | St. Ives |
| 02047 | Lamorna |
| 02048 | Breage |
| 02049 | Helford |
| 02050 | Portloe |
| 02051 | St. Austell |
| 02052 | Pol |
| 02053 | Seaton |
| 02054 | Torpoint |
| 02055 | Kingston |
| 02056 | Tor Bay |
| 02057 | Sid |
| 02058 | Axemouth Coast |
| 02059 | Char |
| 02060 | Abbotsbury and Fleet |
| 02061 | Portland |
| 02062 | South Dorset Coast |
| 02063 | Brownsea Island |
| 02064 | Sherford |
| 02065 | Poole Harbour |
| 02066 | Western Isle of Wight |
| 02067 | Southern Isle of Wight |
| 02068 | Ryde |
| 02069 | Cowes |
| 02070 | Sheerness |
| 02071 | Broad Fleet |
| 02072 | Holland Brook |

| 02073 | Blyth (Suffolk) |
|-------|-----------------|
| 02074 | Stiffkey |
| 02075 | Burn |
| 02076 | North Norfolk |
| 02077 | Heacham Harbour |
| 02078 | The Ingol |
| 02079 | Robin Hoods Bay |
| 02080 | East Row Beck |
| 02081 | Mickleby Beck |
| 02082 | Roxby Beck |
| 02083 | Kilton Beck |
| 02084 | Skelton Beck |
| 02085 | Crimdon Beck |
| 02086 | Castle Eden Burn |
| 02087 | Seaham |
| 02088 | Lyne |
| 02089 | Bamburgh |
| 10001 | Burn of Lyth |
| 10002 | Wick |
| 10003 | Burn of Houstry |
| 10004 | Langwell Water |
| 10005 | Brora Coast |
| 10006 | Allt na h-Aireimh |
| 10007 | Brora |
| 10008 | Abhainn an t-Sratha Charnaig |
| 10009 | Dornoch Firth |
| 10010 | Shin |
| 10011 | Cassley |
| 10012 | Oykel |
| 10013 | Carron |
| 10014 | Cromarty Firth |
| 10015 | Averon |
| 10016 | Loch Glass |
| 10017 | Orrin |
| 10018 | Moniack Burn |
| 10019 | Loch Mullardoch & Monar & River Affric |
| 10020 | Moray Firth (South) |
| 10021 | Garry |
| 10022 | Kinloss |
| 10023 | Nairn |
| 10024 | Muckle Burn |
| 10025 | Findhorn |
| 10026 | Lossie |
| 10027 | Spey Coast and Valley Ridges |

| 10028 | Spey |
|-------|------|
| 10029 | Burn of Boyne |
| 10030 | Deveron |
| 10031 | Water of Cruden |
| 10032 | South Ugie Water |
| 10033 | Ythan |
| 10034 | River Don Coastal |
| 10035 | Don |
| 10036 | Den Burn |
| 10037 | Dee |
| 10038 | Cowie Water |
| 10039 | Bervie Water |
| 10040 | North Esk |
| 10041 | South Esk |
| 10042 | Lunan Water Source |
| 10043 | Dundee & Coast |
| 10044 | Fithie Burn |
| 10045 | Bandirran Burn |
| 10046 | Tummel |
| 10047 | Farg |
| 10048 | Earn |
| 10049 | Motray Water |
| 10050 | Eden |
| 10051 | Bluther Burn |
| 10052 | Kinross |
| 10053 | Bannock Burn |
| 10054 | Devon |
| 10055 | Allan Water |
| 10056 | Forth |
| 10057 | Firth of Forth (South) |
| 10058 | Bonny water |
| 10059 | Avon |
| 10060 | Braid Burn |
| 10061 | Gogar Burn |
| 10062 | Water of Leith |
| 10063 | Esk |
| 10064 | Peffer Burn |
| 10065 | Tyne |
| 10066 | Allerdeanmill Burn |
| 10067 | Eye Water |
| 10070 | Kirtle Water |
| 10071 | Hether Burn |
| 10072 | River Annan (Coastal) |
| 10073 | Water of Milk |

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|---|---|
| 10074 | Bogrie Lane |
| 10075 | Park Burn |
| 10076 | Pennyland Burn |
| 10077 | Urr water |
| 10078 | Urr Water |
| 10079 | Loch Ken or Dee |
| 10080 | Dowalton Burn |
| 10081 | Penkiln Burn |
| 10082 | Tarf Water |
| 10083 | Cross Water of Luce |
| 10084 | Turnberry & Girvan Coastal |
| 10085 | Stinchar |
| 10086 | Water of Girvan |
| 10087 | Doon |
| 10088 | Pow Burn |
| 10089 | Water of Coyle |
| 10090 | Irvine |
| 10091 | Garnock Water |
| 10092 | Kip Water |
| 10093 | Molendinar Burn |
| 10094 | Gryffe |
| 10095 | Calder |
| 10096 | Levern Water |
| 10097 | Duneaton Water |
| 10098 | Kelvin |
| 10099 | Geilston Burn |
| 10100 | Endrick Water |
| 10101 | Ruel |
| 10102 | Cur |
| 10103 | Loch Fyne Coastal |
| 10104 | Conie Water |
| 10105 | Argyll & Bute |
| 10106 | Add |
| 10107 | Kinglass |
| 10108 | Awe |
| 10109 | Etive |
| 10110 | Loch Linne (South) |
| 10111 | Blackwater Reservoir |
| 10112 | River Lochy |
| 10113 | Mucomir Cut |
| 10114 | Scaddle |
| 10115 | Loch Shiel |
| 10116 | Allt Beitheach |
| 10117 | Glenfinnan |

| 10118 | Elchaig |
|-------|---------|
| 10119 | Morar |
| 10120 | Ling |
| 10121 | Loch Dughaill (River Carron) |
| 10122 | Loch Torridon |
| 10123 | Ewe |
| 10124 | Ullapool & Highlands West Coast |
| 10125 | Gruinard |
| 10126 | Abhainn Cuileig |
| 10127 | Ledmore |
| 10128 | Inver |
| 10129 | Laxford |
| 10130 | Dionard |
| 10131 | Loch Hope |
| 10132 | Loch Loyal |
| 10133 | Naver |
| 10134 | Strathy |
| 10135 | Trantlebeg Burn |
| 10136 | Thurso Coast |
| 10137 | Forss Water |
| 10138 | Thurso |
| 10139 | Loch Langavat |
| 10140 | Loch of Harray & Loch of Stennes |
| 10211 | Unst |
| 10236 | Balta |
| 10239 | Huney |
| 10244 | Uyea |
| 10322 | Yell |
| 10345 | Hascosay |
| 10452 | Houbie |
| 10536 | Shetland |
| 10566 | Lamba |
| 10571 | Little Roe |
| 10611 | West Linga |
| 10613 | Walsay |
| 10638 | Bruray |
| 10771 | Bressay |
| 10772 | Isle of Noss |
| 10816 | Mousa |
| 10877 | Colsay |
| 10925 | East Burra |
| 10926 | West Burra |
| 10944 | Trondra |
| 10967 | Oxna |

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|---|---|
| 10981 | Hildasay |
| 11083 | Vaila |
| 11135 | Papa Stour |
| 11246 | Vementry |
| 11266 | Papa Little |
| 11268 | Muckle Row |
| 11478 | Da Burn o Ham |
| 11496 | Vaadal |
| 11540 | North Ronaldsay |
| 11541 | Papa Westray |
| 11543 | Westray |
| 11557 | Sanday (Orkney) |
| 11569 | Eday |
| 11571 | Faray |
| 11579 | Rousay |
| 11582 | Eglisay |
| 11585 | Wyre (Orkney) |
| 11589 | Stronsay |
| 11596 | Orkney Main Island Coast |
| 11610 | Graemsay |
| 11620 | Bay of Firth Islands |
| 11621 | Gairsay |
| 11627 | Shapinsay |
| 11632 | Auskerry |
| 11638 | Lamb Holm |
| 11639 | Glimps Holm |
| 11640 | South Ronaldsay |
| 11645 | Flotta |
| 11649 | Fara |
| 11650 | Longhope & Switha |
| 11651 | Hoy |
| 11654 | Swona |
| 11657 | Muckle Skerry |
| 11660 | Stroma Island |
| 11833 | Isle of May |
| 11841 | Inchkeith |
| 11846 | Inchcolm |
| 11854 | Cramond Island |
| 11862 | Bass Rock |
| 11904 | Little Cumbrae |
| 11907 | Great Cumbrae |
| 11921 | Bute |
| 11922 | Midpark |
| 11947 | Castleton Island |

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|---|---|
| 11954 | Isle of Arran |
| 11958 | Holy Isle |
| 11971 | Davaar Island |
| 11975 | Sanda Island |
| 11981 | Cara Island |
| 11983 | Isle of Gighe |
| 12092 | Eilean da Mheinn |
| 12137 | Islay |
| 12303 | Corran |
| 12396 | Falkirk |
| 12424 | Oronsay |
| 12438 | Scarba |
| 12456 | Lunga and Slate Islands |
| 12492 | Luing |
| 12517 | Isle of Shuna |
| 12530 | Torsa Island |
| 12534 | Balvicar |
| 12551 | Easdale Island |
| 12560 | Isle of Kerrera |
| 12562 | Ardantrive Bay Island |
| 12591 | Eriska |
| 12599 | Shuna Island |
| 12600 | Eilean Balnagowan |
| 12619 | Loch Eil Beach |
| 12637 | Lismore |
| 12642 | Lismore North Islands |
| 12663 | Lussa |
| 12752 | Tinkers Hole |
| 12805 | Iona |
| 12919 | Eilean Casach |
| 12922 | Ulva |
| 12982 | Little Colonsay |
| 12986 | Staffa |
| 13030 | Calve Island |
| 13032 | Eilean na Beithe |
| 13054 | Skerryvore |
| 13055 | Abhainn a' Bheidhe |
| 13134 | Isle of Coll |
| 13301 | Isle of Muck |
| 13309 | Allt a' Cham Loin |
| 13315 | Kinloch |
| 13329 | Isle of Canna |
| 13339 | Sanday |
| 13427 | Eilean Shona |

| 13659 | Skye |
|-------|------|
| 13668 | Ornsay |
| 13723 | Soay |
| 13739 | Wiay |
| 13853 | Rona  (Portree) |
| 13897 | Raasay |
| 13898 | Eilean Fladday |
| 13924 | Allt Liath |
| 13930 | Pabay |
| 14047 | Crowlin Islands |
| 14074 | Isle of Horrisdale |
| 14076 | Coolas Bad a Chrotha Beach |
| 14104 | Isle of Ewe |
| 14149 | Priest Island |
| 14160 | Summer Isles |
| 14636 | Lewis & South Harris |
| 14718 | Eilean Chaluim Chille |
| 14748 | Eilean Liubhaird |
| 14774 | Eilean Shiophoirt |
| 14781 | Scalpay |
| 14811 | Sgeotasaigh |
| 14863 | Loch an t-Saile |
| 14952 | Taransay |
| 15014 | Scarp |
| 15038 | Eilean Mhealasta |
| 15118 | Pabaigh Mor |
| 15136 | Bhacasaigh |
| 15144 | Fuaigh Mor |
| 15151 | Flodaigh Lewis |
| 15154 | Cliatasaigh |
| 15172 | Loch Rog Small Island |
| 15173 | Eilean nam Feannag |
| 15174 | Linngeam |
| 15176 | Loch Barraglom Small Island |
| 15222 | Little Bernera |
| 15240 | Great Bernera |
| 15324 | Rona & Sule Skerry |
| 15375 | St. Kilda |
| 15401 | Pabbay |
| 15408 | Ensay |
| 15411 | Killegray |
| 15524 | Hermetray |
| 15549 | Loch Bhrusda (Berneray) |
| 15562 | North Uist |

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|---|---|
| 15563 | Loch Carabhat |
| 15564 | Benbecula |
| 15689 | Ceallasaigh |
| 15803 | Flodday |
| 15917 | Flodaigh Beag |
| 15922 | Flodaigh Mor |
| 15949 | Ronay |
| 15978 | Loch Nighe |
| 16053 | Flodaigh |
| 16178 | Cherarabhaigh |
| 16183 | Wiay (Outer Hebrides) |
| 16392 | Eilean Leathann |
| 16411 | Baleshare |
| 16465 | Kirkbost |
| 16527 | Boreray |
| 16543 | Monach Islands (West) |
| 16553 | Monach Islands (East) |
| 16582 | Haskeir |
| 16584 | South Uist |
| 16732 | Gasaigh |
| 16756 | Eileanan Iasgaich |
| 16794 | Eriskay |
| 16824 | Fiaraidh |
| 16825 | Fuday |
| 16826 | Barra |
| 16832 | Mullach a Charnain |
| 16834 | Beinn a Charnain |
| 16904 | Vatersay |
| 16913 | Sandray |
| 16926 | Pabaigh |
| 16942 | Mingulay |
| 16948 | Berneray |

## C.1.2. Other Catchments

These are other areas that have been assigned a catchment name to ensure coverage. These include areas outside of England and Wales and also large inland water bodies.

| Catchment ID | Catchment name |
|---|---|
| 09001 | Isle of Man |
| 09002 | Isles of Scilly |
| 09005 | Poole Harbour Water |