

Water body information sheet for water body 5701 in Tay

General details

| | |
|-----------------------------|--|
| Water body name: | River North Esk (Water of Effock to Cruick Water Confluences) |
| Water body Identifier code: | 5701 |
| Length: | 28.79 km |
| Water body category: | River |
| River basin district: | Scotland |
| Area advisory group: | Tay |
| Catchment: | River North Esk (Tayside) |
| Associated protected areas: | River North Esk - FRESHWATER FISH (EXISTING) Gannochy Gorge - SSSI Strathmore / Fife - NITRATE VULNERABLE ZONE |
| Associated groundwater: | Upper North Esk Valley |
| Responsible body: | SEPA Angus & Dundee |
| Heavily modified: | No |
| Artificial: | No |
| Typology: | Mid-altitude Medium Siliceous |
| National Grid Reference: | NO 56700 76785 |
| Latitude: | 56.88041 |
| Longitude: | -2.71212 |

Current status of this water body

Classification results are updated annually, as part of SEPA's commitment to monitor and assess the condition of the environment.

Once the classification is agreed, as part of river basin management planning, the pressures and measures for every water body are reviewed to ensure that they reflect this improved understanding of the environment. Objectives are reviewed as part of the six yearly planning cycle and any proposed changes to objectives will be presented in the draft river basin plans http://sepa.org.uk/water/river_basin_planning.aspx.

This worksheet was produced using the most up to date classification results but the measures, pressures and objectives shown may not yet align to these classification results. Please contact rbmp@sepa.org.uk if you require further information on this water body.

We have classified this water body as having an overall status of High with High confidence in 2012 with overall ecological status of High and overall chemical status of Pass.

The overall classification of status is made up of many different tiers of classification data. A complete set of classification data for 2012 is shown at the end of this document.

Targets for the future status of this water body

We have set environmental objectives for this water body over future river basin planning cycles in order that sustainable improvements to its status can be made over time, or alternatively that no deterioration in status occurs, unless caused by a new activity providing significant specified benefits to society or the wider environment.

For this water body we have set the overall environmental objectives for the first, second and third River Basin Management Planning (RBMP) cycles as:

| | | | | |
|--------|------|------|------|------|
| Year | 2012 | 2015 | 2021 | 2027 |
| Status | High | High | High | High |
| Year | 2012 | 2015 | 2021 | 2027 |
| Status | High | Pass | Pass | Pass |

Pressures and measures on this water body

We have established an ongoing programme of monitoring in order to identify pressures on our water bodies.

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There are currently no pressures identified on this water body; we must ensure that no deterioration from good status occurs, unless caused by a new activity providing significant specified benefits to society or the wider environment

Future work

Additional work to identify pressures and to develop and implement measures to mitigate their impacts will continue over subsequent river basin cycles.

Complete classification for this water body in 2012

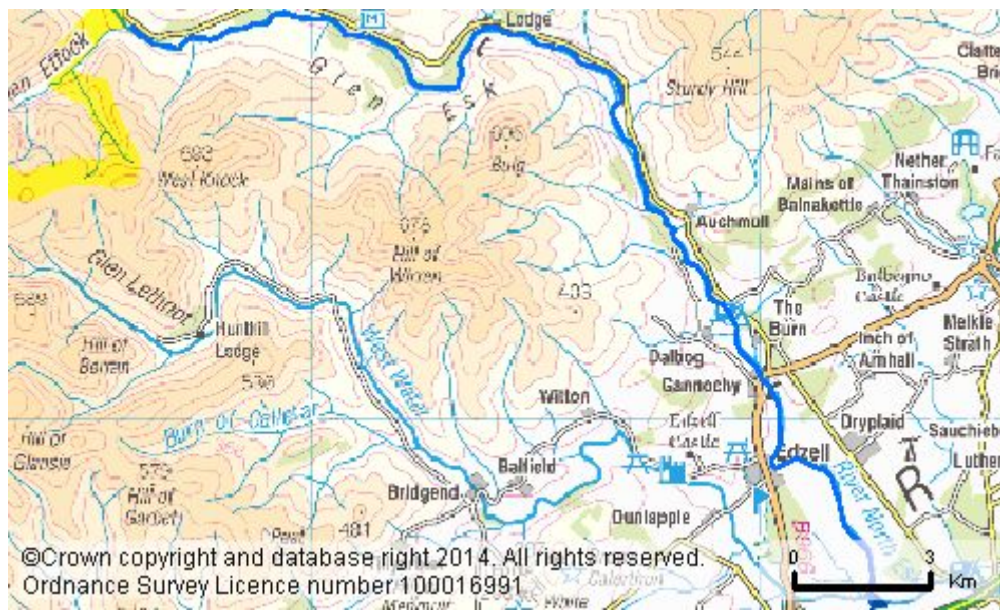
| Parameter | Status | Confidence of Class |
|-----------------------------|--------|---------------------|
| OVERALL STATUS | HIGH | HIGH |
| Pre-HMWB status | High | High |
| Overall chemistry | Pass | Low |
| Priority substances | Pass | Low |
| Cadmium | Pass | Low |
| Lead | Pass | Low |
| Nickel | Pass | Low |
| Overall ecology | High | High |
| Physico-Chem | High | High |
| Temperature | High | High |
| Soluble reactive phosphorus | High | High |
| pH | High | High |
| Dissolved Oxygen | High | High |
| Biological elements | High | High |
| Phytobenthos | High | High |
| Macrophytes | High | High |
| Benthic invertebrates | High | High |
| Macro-invertebrates (acid) | High | Low |
| Macro-invertebrates (RiCT) | High | High |
| Macro-invertebrates (ASPT) | High | High |

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| Parameter | Status | Confidence of Class |
|-----------------------------|---------------|----------------------------|
| Macro-invertebrates (NTAXA) | High | High |
| Alien species | High | Low |
| Fish | High | Medium |
| Fish ecology | High | Low |
| Fish barrier | High | Medium |
| Specific pollutants | Pass | High |
| Arsenic | Pass | Low |
| Iron | Pass | Low |
| Copper | Pass | Low |
| Zinc | Pass | Low |
| Ammonium | Pass | High |
| Chromium | Pass | Low |
| Hydromorphology | High | Medium |
| Morphology | High | Medium |
| Hydrology | High | Medium |
| Hydrology (impoundment) | High | Medium |
| Hydrology (abstraction) | High | Medium |
| Regulatory BOD | High | High |
| Regulatory ammonium | High | High |
| Water quality | High | High |
| Morphological pressures | High | Medium |

Location of this water body

You can find the geographical location of this water body by searching on water body ID in the interactive maps at www.sepa.org.uk/water/river_basin_planning.aspx



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