RBMP Water body information sheet for water body 5950 in Tay

General details

Water body name:	Elliot Water/Rottenraw Burn
Water body Identifier code:	5950
Length:	19.54 km
Water body category:	River
Baseline:	Y
River basin district:	Scotland
Area advisory group:	Tay
Catchment:	Dundee Coastal
Associated protected areas:	Elliot Water - FRESHWATER FISH (EXISTING) Strathmore / Fife - NITRATE VULNERABLE ZONE
Associated groundwater:	Carnoustie bedrock and localised sand and gravel aquifers
Responsible body:	SEPA Angus & Dundee
Heavily modified:	No
Artificial:	No
Typology:	Lowland Small Calcareous
National Grid Reference:	NO 54377 42554
Latitude:	56.57269
Longitude:	-2.74413

Current status of this water body

We have classified this water body as having an overall status of Bad with Medium confidence in 2008 with overall ecological status of Bad and overall chemical status of Pass.

This overall classification of status is made up of many different tiers of classification data. A complete set of classification data for 2008 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	2008	2015	2021	2027
Status	Bad	Bad	Poor	Good

We have established an ongoing programme of monitoring in order to identify pressures on our water bodies. The pressures listed below contribute to this water body's failure to meet good ecological status. River basin planning allows us to plan improvements for particular parameters over time. We have collaborated with others to identify measures which will act to protect or improve our water environment in order that all water bodies reach good status over successive RBMP cycles.

Pressures and measures on this water body

The pressures listed below contribute to this water body's failure to meet good ecological status or potential. River basin planning allows us to plan improvements for particular parameters over time. We have collaborated with others to identify measures which will act to protect or improve our water environment in order that all water bodies reach good status over successive RBMP cycles.

The following table shows our collated information on the pressures on this water body, their causes and the measures which could be introduced to mitigate their effects. We have also indicated the current funding status of the measure; with projected measures being potentially funded and agreed measures having funding in place. Finally, we have included information on the potential or actual owner of the measure, the date it will be effective and information on the justification for extending the deadlines or for setting an alternative objective, where appropriate.

Pressure	**As a Result of**	**Assessment Parameter**	**Objective**	**Reasons for Failure**
	Measure	**Funding**	**Owner**	**Effective date**
Diffuse Source Pollution	Mixed farming	Phosphorus	Moderate by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens
	Reduce Diffuse Source Inputs	Projected	Farmer(s)	31/12/2020
Point Source Pollution	Sewage disposal	Phosphorus	Moderate by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens
	Increase treatment	Neither Agreed nor Projected	Scottish Water	31/03/2024

Pressure	As a Result of	Assessment Parameter	Objective	Reasons for Failure
	Measure	**Funding**	**Owner**	**Effective date**
Abstraction	Arable farming	Depletion of base flow from GW body	Bad by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens
	Control Abstraction	Neither Agreed nor Projected	Farmer(s)	31/12/2026

Future work

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

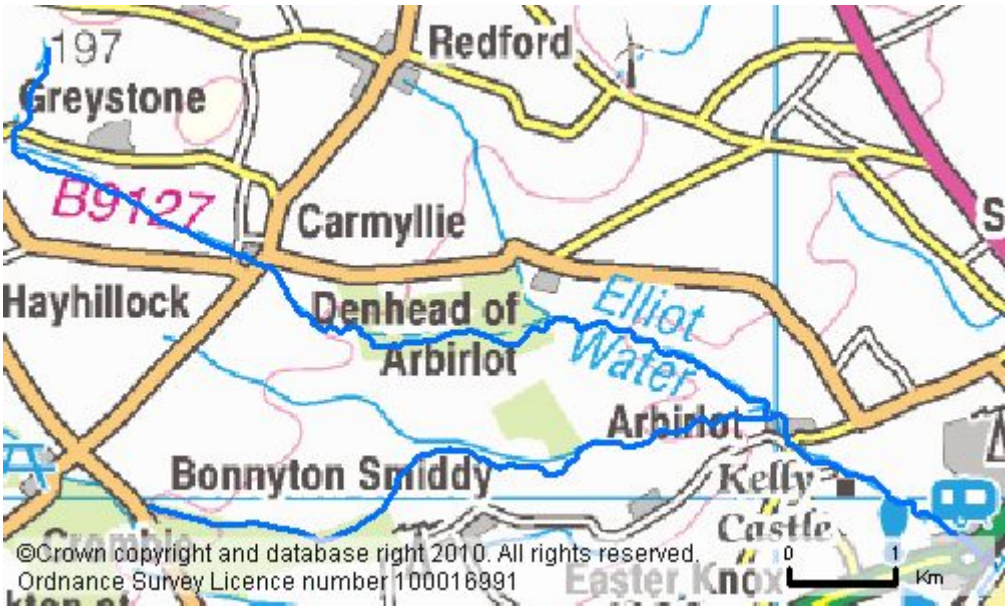
Complete classification for this water body in 2008

Parameter	Status	Confidence of Class
OVERALL STATUS	BAD	MEDIUM
Pre-HMWB status	Bad	Medium
Overall chemistry	Pass	Low
Priority substances	Pass	Low
Overall ecology	Bad	Medium
Physico-Chem	High	High
Temperature	High	High
Soluble reactive phosphorus	High	High
pH	High	High
Dissolved Oxygen	High	High
Biological elements	Moderate	High
Phytobenthos	Moderate	High
Macrophytes	Good	High
Benthic invertebrates	Good	High
Macro-invertebrates (acid)	High	Low
Macro-invertebrates (RiCT)	Good	High
Macro-invertebrates (ASPT)	Good	High
Macro-invertebrates (NTAXA)	High	High

Parameter	Status	Confidence of Class
Alien species	High	Low
Fish	High	Medium
Fish ecology	High	Medium
Fish barrier	High	Low
Specific pollutants	Pass	High
Iron	Pass	Low
Ammonium	Pass	High
Chromium	Pass	Low
Hydromorphology	Bad	Medium
Morphology	Good	Medium
Hydrology	Bad	Medium
Hydrology (impoundment)	Moderate	Medium
Hydrology (abstraction)	Bad	Medium
Regulatory ammonium	High	High
Water quality	Moderate	
Morphological pressures	Good	

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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