Water body information sheet for water body 5901 in Tay

General details

Water body name:	Lunan Water (Rescobie Loch to Friockheim)
Water body Identifier code:	5901
Length:	7.33 km
Water body category:	River
River basin district:	Scotland
Area advisory group:	Tay
Catchment:	Lunan Water
Associated protected areas:	Lunan Water - FRESHWATER FISH (EXISTING) Rescobie and Balgavies Lochs - SSSI Lunan Water (Rescobie Loch to Friockheim) - UWWTD SENSITIVE AREA (EXISTING) Strathmore / Fife - NITRATE VULNERABLE ZONE Lunan Water (Friockheim to Estuary) - UWWTD SENSITIVE AREA (EXISTING)
Associated groundwater:	Lunan Valley
Responsible body:	SEPA Angus & Dundee
Heavily modified:	No
Artificial:	No
Typology:	Lowland Small Calcareous
National Grid Reference:	NO 55712 50410
Latitude:	56.64339
Longitude:	-2.72375

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 Poor with Medium confidence in 2012 with overall ecological status of Poor 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	Poor	Poor	Good	Good
Year	2012	2015	2021	2027
Status	Poor	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.

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	Arable 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
Abstraction	Arable farming	Change from natural flow conditions	Moderate by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens
	Control Abstraction	Neither Agreed nor Projected	Farmer(s)	31/12/2020
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	Control Abstraction	Neither Agreed nor Projected	Farmer(s)	31/12/2020
Diffuse Source Pollution		Dissolved Oxygen	Good by 2015	
	Reduce Diffuse Source Inputs	Projected	SEPA	31/12/2014
Morphological Alterations	Impounding - weir / dam	Fish passage	Poor by 2015	Implementation of the measure by an earlier deadline would impose

Pressure	As a Result of	Assessment Parameter	Objective	Reasons for Failure
	Measure	Funding	Owner	Effective date
				disproportionate burdens
	Removal of barriers or provision of mechanisms to enable fish migration	Neither Agreed nor Projected	Landowner(s)	31/12/2020

Footnote – These results show current classification 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.

Future work

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

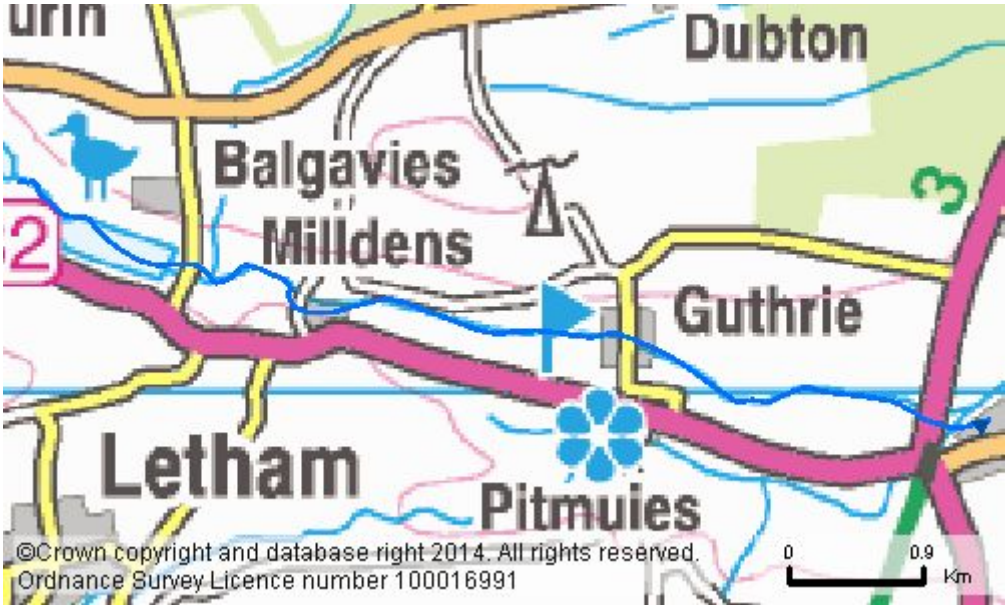
Complete classification for this water body in 2012

Parameter	Status	Confidence of Class
OVERALL STATUS	POOR	MEDIUM
Pre-HMWB status	Poor	Medium
Overall chemistry	Pass	Low
Priority substances	Pass	Low
Overall ecology	Poor	Medium
Physico-Chem	Moderate	Medium
Temperature	Moderate	Medium
Soluble reactive phosphorus	High	High
pH	High	High
Dissolved Oxygen	Good	Medium
Biological elements	Poor	Medium
Phytobenthos	Moderate	Medium

Parameter	Status	Confidence of Class
Macrophytes	Moderate	High
Benthic invertebrates	High	Low
Macro-invertebrates (acid)	High	Low
Macro-invertebrates (RiCT)	High	Low
Macro-invertebrates (ASPT)	High	Low
Macro-invertebrates (NTAXA)	High	Low
Alien species	High	Low
Fish	Poor	Medium
Fish ecology	High	Low
Fish barrier	Poor	Medium
Specific pollutants	Pass	High
Ammonium	Pass	High
Hydromorphology	Poor	Medium
Morphology	Good	Medium
Hydrology	Poor	Medium
Hydrology (impoundment)	Good	Medium
Hydrology (abstraction)	Poor	Medium
Regulatory BOD	High	High
Regulatory ammonium	High	High
Water quality	Moderate	High
Morphological pressures	Poor	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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