

RBMP Water body information sheet for water body 100242 in Tay

General details

Water body name:	Loch Freuchie
Water body Identifier code:	100242
Area:	1.39 km ²
Water body category:	Lake
Baseline:	Y
River basin district:	Scotland
Area advisory group:	Tay
Catchment:	River Tay
Associated protected areas:	
Associated groundwater:	Upper Tay bedrock and localised sand and gravel aquifers
Responsible body:	SEPA Perth
Heavily modified:	No
Artificial:	No
Typology:	Mid-altitude Large Medium alkalinity Deep
National Grid Reference:	NN 86433 37731
Latitude:	56.51785
Longitude:	-3.84735

Current status of this water body

We have classified this water body as having an overall status of Good with High confidence in 2008 with overall ecological status of Good 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.

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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	Good	Good	Good	Good

The current status of the water body meets the requirements of the Water Framework Directive, thus 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.

Pressures and measures on this water body

No pressures exist 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 2008

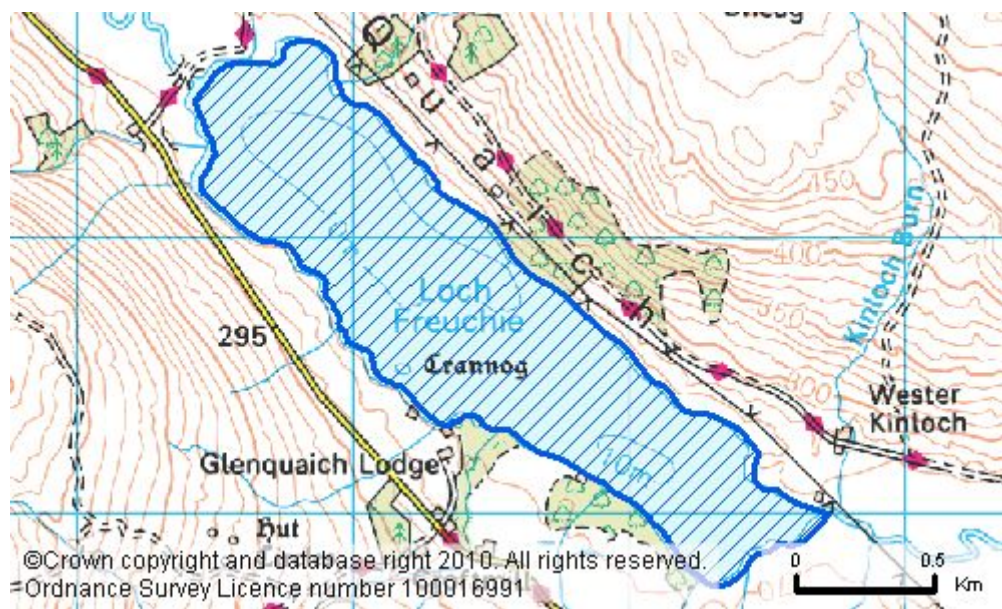
Parameter	Status	Confidence of Class
OVERALL STATUS	GOOD	HIGH
Pre-HMWB status	Good	High
Overall chemistry	Pass	Low
Priority substances	Pass	Low
Lead	Pass	Low
Overall ecology	Good	High
Physico-Chem	High	Medium
Dissolved Oxygen	High	Medium
Total Phosphorus	High	Low
Salinity	High	Low
Acid Neutralising Capacity	High	Low
Biological elements	Good	High
Phytobenthos	High	Low
Macrophytes	Good	High

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Parameter	Status	Confidence of Class
Benthic invertebrates	High	Low
Macro-invertebrates (acid)	High	Low
Macro-invertebrates (CPET)	High	Low
Alien species	Good	Medium
Fish barrier	High	Low
Phytoplankton	High	Medium
Chlorophyll a	High	Low
Cyanobacteria	High	Medium
Specific pollutants	Pass	Low
Ammonium	Pass	Low
Hydromorphology	High	Medium
Morphology	High	Medium
Hydrology	High	Medium
Water quality	High	
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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