

# RBMP Water body information sheet for water body 10548 in Solway

## General details

Water body name:	Dargall Lane
Water body Identifier code:	10548
Length:	3.51 km
Water body category:	River
Baseline:	Y
River basin district:	Solway Tweed
Area advisory group:	Solway
Catchment:	River Dee (Solway)
Associated protected areas:	Merrick Kells - SPECIAL AREA OF CONSERVATION River Cree - FRESHWATER FISH (EXISTING) River Dee (Galloway) - FRESHWATER FISH (EXISTING)
Associated groundwater:	New Galloway bedrock and localised sand and gravel aquifers
Responsible body:	SEPA Dumfries & Galloway
Heavily modified:	No
Artificial:	No
Typology:	Mid-altitude Small Siliceous
National Grid Reference:	NX 44909 78316
Latitude:	55.075
Longitude:	-4.43073

## Current status of this water body

We have classified this water body as having an overall status of Poor with Low confidence in 2008 with overall ecological status of Poor 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	Poor	Poor	Poor	Moderate

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	Production of non-renewable electricity (eg: by coal, gas, nuclear or pumped hydro)	pH	Moderate by 2015	Ecological recovery time
Morphological Alterations	Production of renewable electricity (NB nuclear and pumped hydro are not renewable forms of electricity generation) Impounding - weir / dam	Fish passage	Poor by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens

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Pressure	As a Result of	Assessment Parameter	Objective	Reasons for Failure
	Measure	Funding	Owner	Effective date
	Removal of barriers or provision of mechanisms to enable fish migration	Neither Agreed nor Projected	Scottish Power	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

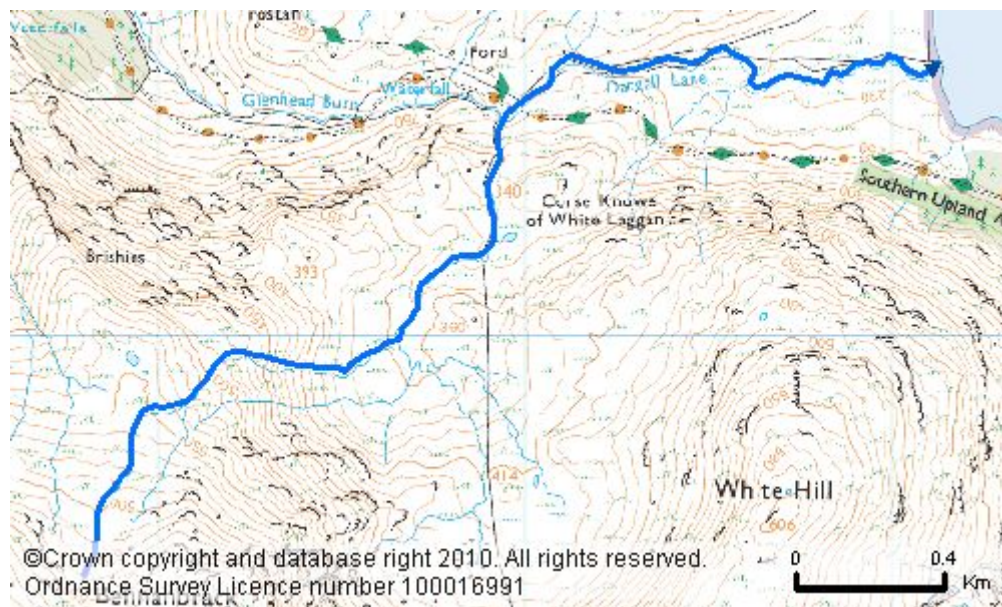
Parameter	Status	Confidence of Class
OVERALL STATUS	POOR	LOW
Pre-HMWB status	Poor	Low
Overall chemistry	Pass	High
Priority substances	Pass	High
Cadmium	Pass	High
Lead	Pass	High
Nickel	Pass	High
Overall ecology	Poor	Low
Physico-Chem	Good	High
Temperature	High	Low
Soluble reactive phosphorus	Good	Medium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

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<b>Parameter</b>	<b>Status</b>	<b>Confidence of Class</b>
Alien species	High	Low
Fish	Poor	Low
Fish ecology	High	Low
Fish barrier	Poor	Low
Specific pollutants	Pass	High
Arsenic	Pass	High
Copper	Pass	High
Zinc	Pass	High
Ammonium	Pass	High
Chromium	Pass	High
Hydromorphology	High	Medium
Morphology	High	Medium
Hydrology	High	Medium
Hydrology (impoundment)	High	Medium
Hydrology (abstraction)	High	Medium
Regulatory ammonium	High	High
Water quality	Moderate	
Morphological pressures	Poor	

## 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](http://www.sepa.org.uk/water/river_basin_planning.aspx)



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