Water body information sheet for water body 10642 in Solway

General details

Water body name:	River Annan (Threewaterfoot to Annan)
Water body Identifier code:	10642
Length:	54.60 km
Water body category:	River
River basin district:	Solway Tweed
Area advisory group:	Solway
Catchment:	River Annan
Associated protected areas:	River Annan (Threewaterfoot to Annan) - UWWTD SENSITIVE AREA (EXISTING) River Annan - FRESHWATER FISH (EXISTING)
Associated groundwater:	Annan Valley
Responsible body:	SEPA Dumfries & Galloway
Heavily modified:	No
Artificial:	No
Typology:	Mid-altitude Medium Siliceous
National Grid Reference:	NY 10650 80971
Latitude:	55.11506
Longitude:	-3.40233

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 Good with High confidence in 2012 with overall ecological status of Good 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	?	?	?
Status	Good	?	?	?
Year	2012	2015	2021	2027
Status	Good	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		Priority Substances (Annex 10)	Failing to Achieve Good by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens
	Reduce Diffuse Source Inputs	Projected	Farmer(s)	31/12/2026
Abstraction	Aquaculture	Change from natural flow conditions	Not yet set	
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Diffuse Source Pollution		Priority Substances (Annex 10)	Failing to Achieve Good by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens

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

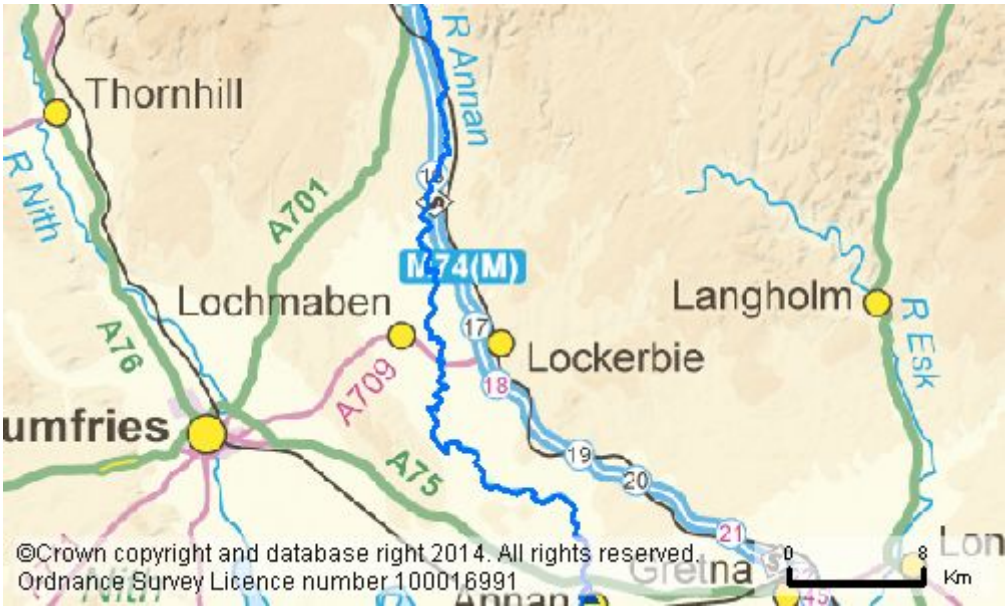
Parameter	Status	Confidence of Class
OVERALL STATUS	GOOD	HIGH
Pre-HMWB status	Good	High
Overall chemistry	Pass	High
Priority substances	Pass	High
Benzo-a-pyrene	Pass	High
Anthracene	Pass	High
Atrazine	Pass	Low
Benzo-(B+K)-Fluoranthene	Pass	High
Cadmium	Pass	High
Chlorpyrifos	Pass	Low
Fluoranthene	Pass	High
Hexachlorobenzene	Pass	High
Lead	Pass	High
Naphthalene	Pass	High
Nickel	Pass	High
pp-DDT	Pass	Low
Simazine	Pass	Low
Trifluralin	Pass	Low
Pentachlorophenol	Pass	Low
1,2 Dichloroethane	Pass	Low
Carbon Tetrachloride	Pass	Low
Chloroform	Pass	Low
Endosulfan	Pass	Low
Total HCH	Pass	Low
Diethylhexylphthalate (DEHP)	Pass	High
Chlorfenvinphos	Pass	Low
Total Drins	Pass	Low
Benzene	Pass	Low

Parameter	Status	Confidence of Class
Dichloromethane	Pass	Low
Tetrachloroethene	Pass	Low
Trichloroethene	Pass	Low
4-NonylPhenol	Pass	High
Octylphenol	Pass	High
Mercury	Pass	Low
Total TCB	Pass	High
Total DDT	Pass	Low
Overall ecology	Good	High
Physico-Chem	Good	Medium
Temperature	Good	Medium
Soluble reactive phosphorus	High	High
pH	High	High
Dissolved Oxygen	High	High
Biological elements	Good	High
Phytobenthos	Good	High
Macrophytes	Good	High
Benthic invertebrates	Good	Medium
Macro-invertebrates (acid)	High	Low
Macro-invertebrates (RiCT)	Good	Medium
Macro-invertebrates (ASPT)	High	High
Macro-invertebrates (NTAXA)	Good	Medium
Alien species	High	Low
Fish	Good	Medium
Fish ecology	High	Medium
Fish barrier	Good	Medium
Specific pollutants	Pass	High
2,4-Dichlorophenol	Pass	Low
Arsenic	Pass	High
Diazinon	Pass	Low
Iron	Pass	Low
Copper	Pass	High
Zinc	Pass	High
Dimethoate	Pass	Low

Parameter	Status	Confidence of Class
Toluene	Pass	Low
Ammonium	Pass	High
Chromium	Pass	High
Hydromorphology	Good	Medium
Morphology	Good	Medium
Hydrology	High	Medium
Hydrology (impoundment)	High	Medium
Hydrology (abstraction)	High	Medium
Regulatory BOD	High	High
Regulatory ammonium	High	High
Water quality	Good	High
Morphological pressures	Good	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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