Water body information sheet for water body 10080 in Clyde

General details

Water body name:	Nethan Water
Water body Identifier code:	10080
Length:	27.06 km
Water body category:	River
River basin district:	Scotland
Area advisory group:	Clyde
Catchment:	River Clyde
Associated protected areas:	Upper Nethan Valley Woods - SSSI River Clyde - FRESHWATER FISH (EXISTING) Clyde Valley Woods - SPECIAL AREA OF CONSERVATION
Associated groundwater:	Lesmahagow
Responsible body:	SEPA South Lanarkshire
Heavily modified:	No
Artificial:	No
Typology:	Mid-altitude Small Siliceous
National Grid Reference:	NS 81517 39014
Latitude:	55.63021
Longitude:	-3.88343

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	Moderate	Moderate	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**
Morphological Alterations	Impounding - weir / dam	Fish passage	Good by 2015	
	Removal of barriers or provision of mechanisms to enable fish migration	Agreed	SEPA	31/03/2010
Point Source Pollution	Sewage disposal	Ammonia	Good by 2015	
	Change timing or frequency of discharge	Agreed	Scottish Water	31/03/2015
Diffuse Source Pollution	Livestock farming	Phosphorus	Moderate by 2015	Implementation of the measure by an earlier deadline would impose disproportionate burdens
	Non-urban land management measures	Projected	Farmer(s)	31/12/2026
Diffuse Source Pollution		UK Specific pollutants (Annex 8)	Not yet set	
Alien Species		North American signal crayfish - Pacifastacus leniusculus	Not yet set	
Diffuse Source Pollution		Unknown Organics	Not yet set	

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.

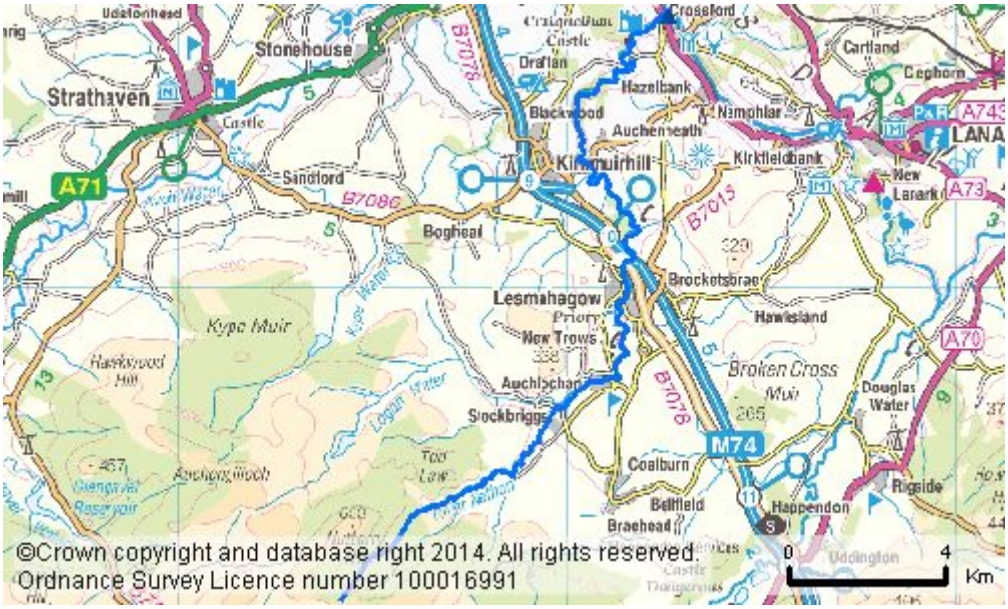
Complete classification for this water body in 2012

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

Parameter	Status	Confidence of Class
Macro-invertebrates (NTAXA)	Good	Medium
Alien species	High	Low
Fish	Poor	Medium
Fish ecology	Poor	Medium
Fish barrier	High	Medium
Specific pollutants	Pass	High
Arsenic	Pass	High
Iron	Pass	Low
Copper	Pass	High
Zinc	Pass	High
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	Moderate	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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