

Record of decisions

Introduction

Targets for water quality and flows are determined for Natura 2000 sites by Natural England with reference to Common Standards Monitoring Guidance (CSMG). Targets for these elements similarly form the basis for assessments of the ecological status of water bodies under the Water Framework Directive (WFD). Water dependant Natura 2000 sites are defined as protected areas under the WFD.

Where possible a single target should be set for elements that are common to the water body and coincident Natura 2000 protected area. However, where achievement of the targets based on CSMG is not possible in the next river basin planning cycle then interim progress goals have been agreed by Natural England and the Environment Agency. These can be in the form of numerical targets or, if inappropriate to set quantitative targets, descriptive measures that will achieve, by 2021, progress towards the long term targets set using CSMG. Where only the CSMG target is expressed, this is the target for 2021.

This document summarizes the decisions made by Natural England and the Environment Agency on the standards that need to be achieved for elements of environmental quality that support the achievement of objectives for the named Natura 2000 protected area. The draft second river basin management plans will be used to consult the public about the locally proposed measures and targets.

Where it has not been possible to agree specific targets, usually because further technical work is required, these will be indicated by an asterisk. In these cases the proposed CSMG target is included as advice from Natural England but it is subject to further validation throughout the period of the consultation and beyond. Where no interim goal or CSMG targets are specified, it is currently considered that the elements are not relevant, or are insufficiently understood for this river.

	CSMG Target	Interim Progress Goal (quantitative target or descriptive measure) by 2021
Flows (% deviations from daily naturalised flow)		
Low flows	10	20; Considered as an aspirational target outside of RBMP.
Low-moderate flows	15	20; Considered as an aspirational target outside of RBMP.
Moderate-high flows	20	20; Considered as an aspirational target outside of RBMP.
High flows	10	20; Considered as an aspirational target outside of RBMP. 20% by 2021
Soluble Reactive Phosphorus ('orthophosphate' expressed as P)		
As annual and growing season means ($\mu\text{g/L}$)	50	50; Agreed by 2021
Acidification		
pH		N/A
Acid Neutralising Capacity (ANC)		N/A
Organic Pollution		
Un-ionised ammonia (mg/L as 95%ile)	0.025	0.025; Thought achievable by 2021 by not measured directly by EA
Total ammonia (mg/L as 90%ile)	0.250	0.25; Agreed by 2021
Mean Biological Oxygen Demand (mg/L)	1.500	1.5; Agreed by 2021
Dissolved Oxygen (% saturation as 10%ile)	85	70; HES by 2021

CSMG**Target Interim Progress Goal (quantitative target or descriptive measure) by 2021****Flows** (% deviations from daily naturalised flow)

Low flows	10	10; 10% by 2021 over 90% of this waterbody upstream of the Elvington abstraction. Aspirational below.
Low-moderate flows	15	15; 15% by 2021 over 90% of this waterbody upstream of the Elvington abstraction. Aspirational below.
Moderate-high flows	20	20; Agreed by 2021
High flows	10	10; 10% by 2021 over 90% of this waterbody upstream of the Elvington abstraction. Aspirational below.

Soluble Reactive Phosphorus ('orthophosphate' expressed as P)

As annual and growing season means (µg/L)	50	50; Agreed by 2021
---	----	--------------------

Acidification

pH		N/A
Acid Neutralising Capacity (ANC)		N/A

Organic Pollution

Un-ionised ammonia (mg/L as 95%ile)	0.025	0.025; Thought achievable by 2021 by not measured directly by EA
Total ammonia (mg/L as 90%ile)	0.250	0.25; Agreed by 2021
Mean Biological Oxygen Demand (mg/L)	1.500	1.5; Agreed by 2021
Dissolved Oxygen (% saturation as 10%ile)	85	70; HES by 2021

CSMG**Target Interim Progress Goal (quantitative target or descriptive measure) by 2021****Flows** (% deviations from daily naturalised flow)

Low flows	10	10; Agreed by 2021
Low-moderate flows	15	15; Agreed by 2021
Moderate-high flows	20	20; Agreed by 2021
High flows	10	10; Agreed by 2021

Soluble Reactive Phosphorus ('orthophosphate' expressed as P)

As annual and growing season means (µg/L)	50	50; Agreed by 2021
---	----	--------------------

Acidification

pH		N/A
Acid Neutralising Capacity (ANC)		N/A

Organic Pollution

Un-ionised ammonia (mg/L as 95%ile)	0.025	0.025; Thought achievable by 2021 by not measured directly by EA
Total ammonia (mg/L as 90%ile)	0.250	0.25; Agreed by 2021
Mean Biological Oxygen Demand (mg/L)	1.500	1.5; Agreed by 2021
Dissolved Oxygen (% saturation as 10%ile)	85	70; HES by 2021

The targets and goals underpinning the conservation objectives for rivers within River Derwent Natura 2000 site have been jointly agreed between Natural England and the Environment Agency.

Natural England

Comment: Concern from EA over low flow and DO targets in lower waterbodies as there are implications for Yorkshire Water abstraction licence which are unlikely to be resolved in the next two cycles of RBMP. CSM target therefore set as aspirational.

Agreed by: Emma Leighton & Ruth Reaney

Date: 25 March 2014

Environment Agency

Comment:

Agreed by: Julie Dracup

Date: 31 July 2014
