# Moving towards common standards monitoring guidance targets for SAC rivers

## 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.

## GB104028046560 River Mease from Hooborough Brook to Trent (river) — Humber River Basin District

| | CSMG Target | Interim Progress Goal (quantitative target or descriptive measure) by 2021 |
|---|---|---|
| **Flows** (% deviations from daily naturalised flow) | | |
| Low flows | 10 | 10; Measures needed to obtain this target are identified in the SIP |
| Low-moderate flows | 15 | 15; Measures needed to obtain this target are indentified in the SIP |
| Moderate-high flows | 20 | 20; Measures needed to obtain this target are identified in the SIP |
| High flows | 10 | 10; Measures needed to obtain this target are identified in the SIP |
| **Soluble Reactive Phosphorus** ('orthophosphate' expressed as P) | | |
| As annual and growing season means (µg/L) | 50 | 78; new GES standard used for interim goal with CSMG as the finaltarget actions are included in the SIP |
| **Acidification** | | |
| pH | | ** |
| Acid Nuetralising Capacity (ANC) | | ** |
| **Organic Pollution** | | |
| Un-ionised ammonia (mg/L as 95%ile) | 0.030 | 0.03; CSMG target adopted |
| Total ammonia (mg/L as 90%ile) | 0.250 | 0.25; CSMG target adopted |
| Mean Biological Oxygen Demand (mg/L) | 1.500 | 1.5; CSMG target adopted |
| Dissolved Oxygen (% saturation as 10%ile) | 85 | 85; CSMG target adopted |

| | CSMG Target | Interim Progress Goal (quantitative target or descriptive measure) by 2021 |
|---|---|---|
| **Flows** (% deviations from daily naturalised flow) | | |
| Low flows | 10 | 10; measures to achieve flow target are identified in the SIP |
| Low-moderate flows | 15 | 15; measures to achieve flow target are identified in the SIP |
| Moderate-high flows | 20 | 20; measures to achieve flow target are identified in the SIP |
| High flows | 10 | 10; measures to achieve flow target are identified in the SIP |
| **Soluble Reactive Phosphorus** ('orthophosphate' expressed as P) | | |
| As annual and growing season means (µg/L) | 50 | 73; new GES ug/l as goal and CSMG as final target, measures are identified in the SIP |
| **Acidification** | | |
| pH | | ** |
| Acid Nuetralising Capacity (ANC) | | ** |
| **Organic Pollution** | | |
| Un-ionised ammonia (mg/L as 95%ile) | 0.030 | 0.03; CSMG agreed as the target |
| Total ammonia (mg/L as 90%ile) | 0.250 | 0.25; CSMG agreed as the target |
| Mean Biological Oxygen Demand (mg/L) | 1.500 | 1.5; CSMG agreed as the target |
| Dissolved Oxygen (% saturation as 10%ile) | 85 | 85; CSMG agreed as the target |

| | CSMG Target | Interim Progress Goal (quantitative target or descriptive measure) by 2021 |
|---|---|---|
| **Flows** (% deviations from daily naturalised flow) | | |
| Low flows | 5 | 5; measures to achieve flow target are identified in the SIP |
| Low-moderate flows | 10 | 10; measures to achieve flow target are identified in the SIP |
| Moderate-high flows | 15 | 15; measures to achieve flow target are identified in the SIP |
| High flows | 15 | 15; measures to achieve flow target are identified in the SIP |
| **Soluble Reactive Phosphorus** ('orthophosphate' expressed as P) | | |
| As annual and growing season means (µg/L) | 40 | 73; New GES as interim goal, measures to achieve CSMG are included in the SIP |
| **Acidification** | | |
| pH | | ** |
| Acid Nuetralising Capacity (ANC) | | ** |
| **Organic Pollution** | | |
| Un-ionised ammonia (mg/L as 95%ile) | 0.030 | 0.03; CSMG agreed as the target |
| Total ammonia (mg/L as 90%ile) | 0.250 | 0.25; CSMG agreed as the target |
| Mean Biological Oxygen Demand (mg/L) | 1.500 | 1.5; CSMG agreed as the target |
| Dissolved Oxygen (% saturation as 10%ile) | 85 | 85; CSMG agreed as the target |

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

**Natural England**

**Comment:** Agreed on 09/04/2014 with Joe Adams. Text updated on 30/07/14

**Agreed by:** Sadie Hobson

**Date:** 14 May 2014

**Environment Agency**

**Comment:**

**Agreed by:**

**Date:**