

### 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	5	5 in SSSI unit 1 (headwater); 10 in units 2 & 3;
Low-moderate flows	10	10 in SSSI unit 1 (headwater); 15 in units 2 & 3;
Moderate-high flows	10	15 in SSSI unit 1 (headwater); 20 in units 2 & 3;
High flows	10	15 in SSSI unit 1 (headwater); 10 in units 2 & 3;

**Soluble Reactive Phosphorus** ('orthophosphate' expressed as P)

As annual and growing season means (µg/L)	20	30 in Unit 1; 45 in unit 2; 40 in unit 3. (N.B. CSMG target for units 2-3 is 30 ug/l)
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**Acidification**

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

**Organic Pollution**

Un-ionised ammonia (mg/L as 95%ile)	0.021	0.021
Total ammonia (mg/L as 90%ile)	0.250	0.25
Mean Biological Oxygen Demand (mg/L)	1.500	1.5
Dissolved Oxygen (% saturation as 10%ile)	85	85

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

### **Natural England**

**Comment:** P & flow compliance will use a combination of gauged and modelled data across whole river. Detail of monitoring methods and compliance criteria still need agreeing.

**Agreed by:** Rachel Crabbe, Des Sussex

**Date:** 29 May 2014

### **Environment Agency**

**Comment:** Degree of tolerance around flow target compliance needs agreeing (to reflect inherent uncertainties). Feasibility of long term P targets will be reviewed once results of P stripping trials are available in 2017.

**Agreed by:** Graham Scholey, Paul Davidson

**Date:** 29 May 2014

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