

ANNEX V

1. SURFACE WATER STATUS

1.3. Monitoring of ecological status and chemical status for surface waters

[^{F1}1.3.6. *Standards for monitoring of quality elements*

Methods used for the monitoring of type parameters shall conform to the international standards listed below in so far as they cover monitoring, or to such other national or international standards which will ensure the provision of data of an equivalent scientific quality and comparability.

Standards for sampling of biological quality elements

Generic methods for use with the specific methods given in the standards relating to the following biological quality elements:

| | |
|--------------------|---|
| EN ISO 5667-3:2012 | Water quality — Sampling — Part 3: Preservation and handling of samples |
|--------------------|---|

Standards for phytoplankton

| | |
|----------------|--|
| EN 15204:2006 | Water quality — Guidance standard on the enumeration of phytoplankton using inverted microscopy (Utermöhl technique) |
| EN 15972:2011 | Water quality — Guidance on quantitative and qualitative investigations of marine phytoplankton |
| ISO 10260:1992 | Water quality — Measurement of biochemical parameters — Spectrometric determination of the chlorophyll-a concentration |

Standards for macrophyte and phytobenthos

| | |
|---------------|--|
| EN 15460:2007 | Water quality — Guidance standard for the surveying of macrophytes in lakes |
| EN 14184:2014 | Water quality — Guidance for the surveying of aquatic macrophytes in running waters |
| EN 15708:2009 | Water quality — Guidance standard for the surveying, sampling and laboratory analysis of phytobenthos in shallow running water |
| EN 13946:2014 | Water quality — Guidance for the routine sampling and preparation of benthic diatoms from rivers and lakes |
| EN 14407:2014 | Water quality — Guidance for the identification and enumeration of benthic diatom samples from rivers and lakes |

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

Standards for benthic invertebrate

| | |
|-------------------|--|
| EN ISO 10870:2012 | Water quality — Guidelines for the selection of sampling methods and devices for benthic macroinvertebrates in fresh waters |
| EN 15196:2006 | Water quality — Guidance on sampling and processing of the pupal exuviae of Chironomidae (order Diptera) for ecological assessment |
| EN 16150:2012 | Water quality — Guidance on pro rata multi-habitat sampling of benthic macro-invertebrates from wadeable rivers |
| EN ISO 19493:2007 | Water quality — Guidance on marine biological surveys of hard-substrate communities |
| EN ISO 16665:2013 | Water quality — Guidelines for quantitative sampling and sample processing of marine soft-bottom macro-fauna |

Standards for fish

| | |
|---------------|--|
| EN 14962:2006 | Water quality — Guidance on the scope and selection of fish sampling methods |
| EN 14011:2003 | Water quality — Sampling of fish with electricity |
| EN 15910:2014 | Water quality — Guidance on the estimation of fish abundance with mobile hydroacoustic methods |
| EN 14757:2005 | Water quality — Sampling of fish with multi-mesh gillnets |

Standards for hydromorphological parameters

| | |
|---------------|---|
| EN 14614:2004 | Water quality — Guidance standard for assessing the hydromorphological features of rivers |
| EN 16039:2011 | Water quality — Guidance standard on assessing the hydromorphological features of lakes |

Standards for physico-chemical parameters

Any relevant CEN/ISO standards]

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

Textual Amendments

- F1** Substituted by [Commission Directive 2014/101/EU of 30 October 2014 amending Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for Community action in the field of water policy \(Text with EEA relevance\).](#)