

DIN EN 14184:2014-08 (E)

Water quality - Guidance for the surveying of aquatic macrophytes in running waters

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Terms and definitions	6
3	Principle	7
4	Equipment	8
4.1	General	8
4.2	Deeper waters (optional)	8
5	Survey planning	8
5.1	General	8
5.2	Timing of initial and subsequent surveys	9
5.3	Survey protocols	9
5.4	Selection of reference sites	10
5.5	Selection of river reaches	10
5.6	Selection of representative sites	11
6	Survey procedure	12
6.1	Survey preparation	12
6.2	Survey technique	12
6.3	Field survey	13
6.4	Recording and quantification scales for macrophytes	14
6.5	Aquatic macrophyte identification	16
Annex A (informative)	Principles of interlaboratory comparison for macrophyte surveys in running waters - Occurrence and abundance of macrophyte species	17
A.1	General	17
A.2	General aspects of quality assurance in aquatic macrophyte survey	17
A.3	Site selection	17
A.3.1	General	17
A.3.2	Site parameters	18
A.3.2.1	Flow	18
A.3.2.2	Depth	18
A.3.2.3	Width	18
A.3.2.4	Transparency	19
A.3.3	Survey unit number, length and demarcation	19
A.3.4	Aquatic vegetation characteristics suitable for IC	19
A.4	Independence of participant's results	19
A.5	Field protocol and time limit	20
A.5.1	General aspects	20
A.5.2	Time limit for the field survey	20
A.6	Data collection for the whole group of participants	20
A.7	Reference values for the survey	20
A.7.1	General	20
A.7.2	Reference values for species number, taxonomic correctness and abundance of species	20

A.8	Description of results concerning species detection	21
A.9	Description of results concerning species abundance	22
A.10	Reporting	23
	Bibliography	24