

DIN EN 14757:2015-08 (E)

Water quality - Sampling of fish with multi-mesh gillnets

Contents		Page
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 Principle		6
5 Equipment		6
5.1 Benthic gillnets		6
5.2 Pelagic gillnets		7
6 Sampling design and procedure		7
6.1 Sampling design		7
6.2 Planning		8
6.3 Sampling period		8
6.4 Sampling		9
6.5 Safety instructions		9
7 Time series sampling		9
7.1 Sampling effort		9
7.2 Depth stratification of benthic gillnets		10
7.3 Sampling of the pelagic habitat		12
8 Inventory sampling		12
8.1 Sampling effort		12
8.2 Depth stratification of benthic gillnets		12
9 Data handling and reporting		13
9.1 Fish data		13
9.2 Supplementary data		14
9.3 Databases and quality control		15
10 Dealing with gillnet selectivity		16
11 Estimation of sampling variance		16
11.1 Within-lake variation		16
11.2 Within-lake and between-year variation		17
11.3 Between-lake variation		17
12 Applications and further analyses		17
13 Limitations and supplementary sampling		18
14 Alternative sampling		18
Annex A (informative) Distribution of benthic multi-mesh gillnets at different depth strata in lakes with different area and maximum depth		19

Annex B (informative) Sampling fish for age and growth analysis	21
B.1 General	21
B.2 Selection of individuals	21
B.3 Choice of hard structure for age and growth analysis	22
B.3.1 General requirements	22
B.3.2 Otoliths	22
B.3.3 Scales	23
B.3.4 Operculum bones	23
B.3.5 Cleithrum and metapterygoid	23
Annex C (informative) Example of forms for registration of fish and supplementary data	24
Bibliography	27