

# DIN EN 14757:2015-08 (E)

## Water quality - Sampling of fish with multi-mesh gillnets

---

<b>Contents</b>		<b>Page</b>
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

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