

Water quality - Guidance on the scope and selection of fish sampling methods

Water quality - Guidance on the scope and selection of fish sampling methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14962:2006 sisaldab Euroopa standardi EN 14962:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.05.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14962:2006 consists of the English text of the European standard EN 14962:2006.</p> <p>This document is endorsed on 29.05.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala: This document defines methods for sampling fish and procedures for selection of methods in order to evaluate fish populations in rivers, lakes and transitional waters. A selected literature with references in support of this document is given in the bibliography. This document refers to the standards "Water quality - Sampling of fish with electricity" (EN 14011) and "Water quality - Sampling of fish with multi-mesh gillnets" (EN 14757).</p>	<p>Scope: This document defines methods for sampling fish and procedures for selection of methods in order to evaluate fish populations in rivers, lakes and transitional waters. A selected literature with references in support of this document is given in the bibliography. This document refers to the standards "Water quality - Sampling of fish with electricity" (EN 14011) and "Water quality - Sampling of fish with multi-mesh gillnets" (EN 14757).</p>
---	---

ICS 13.060.70

Võtmesõnad:

ICS 13.060.70

English Version

Water quality - Guidance on the scope and selection of fish sampling methods

Qualité de l'eau - Guide sur le domaine d'application et la sélection des méthodes d'échantillonnage de poissons

Wasserbeschaffenheit - Anleitung zur Anwendung und Auswahl von Verfahren zur Probenahme von Fischen

This European Standard was approved by CEN on 16 March 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
Introduction.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Principle.....	6
5 Categories of rivers, lakes and transitional waters.....	6
6 Fish sampling.....	7
7 Selection of sampling methods.....	23
Bibliography.....	24

Foreword

This document (EN 14962:2006) has been prepared by Technical Committee CEN/TC 230 "Water analysis", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2006, and conflicting national standards shall be withdrawn at the latest by October 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This document is developed to select appropriate fish sampling methods for the evaluation of the species composition, abundance and age structure of fish in rivers, lakes and transitional waters.

WARNING — Persons using this document should be familiar with normal laboratory practice. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

IMPORTANT — It is absolutely essential that tests conducted according to this document be carried out by suitably trained staff.

1 Scope

This document defines methods for sampling fish and procedures for selection of methods in order to evaluate fish populations in rivers, lakes and transitional waters. A selected literature with references in support of this document is given in the bibliography. This document refers to the standards "Water quality - Sampling of fish with electricity" (EN 14011) and "Water quality - Sampling of fish with multi-mesh gillnets" (EN 14757).

2 Normative references

Not applicable

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 river

natural body of water flowing continuously or intermittently along a well-defined course into an ocean, sea, lake, inland depression, marsh or other water-course
[ISO 6107-2:1997]

NOTE A body of inland water flowing for the most part on the surface of the land but which may flow underground for part of its course (Directive 2000/60/EC)

3.2 lake

inland body of water of considerable area
[ISO 6107-2:1997]

NOTE A body of standing inland surface water (Directive 2000/60/EC).

3.3 transitional water

body of surface water in the vicinity of river mouths which are partly saline in character as a result of their proximity to coastal waters but which are substantially influenced by freshwater flows (Directive 2000/60/EC)

3.4 water categories

rivers and transitional waters are categorized according to width and maximum depth, and lakes are categorised according to area and the presence or absence of a pelagic or profundal zone

NOTE Other categories may be used in limnological science or other standards.

3.5 fish habitat

place where the fish is to be sampled

3.6 species composition

species list from the target water which may include the relative dominance (number of fish of species A in relation to the total number of fish of all species [$100 \% \cdot N_A/N_{Tot}$])