

Published by: European Environment Agency,
Copenhagen, 1994

ISBN: 87-90198-01-8
ISSN: 0909-9468

Price: 150 DKK (excluding VAT)

For sale at:
European Environment Agency,
Kongens Nytorv 6
DK-1050 Copenhagen K, Denmark
Tel: + 45 33 14 50 75
Fax: + 45 33 14 65 99

or

Miljøbutikken, Information & Books
Læderstræde 1
DK-1201 Copenhagen K, Denmark
Tel: + 45 33 93 92 92
Fax: + 45 33 92 76 90



Editors

Peter Kristensen and Hans Ole Hansen

European Rivers and Lakes

Assessment of their Environmental State

European Environment Agency
EEA Environmental Monographs 1

G 12932

Table of contents

Preface 5

Acknowledgements 7

Extended summary 9

- 1 Introduction, data, and information sources 17**
 - Usage of European inland surface waters 17
 - Assessment of the environmental state of European inland surface waters 18
- 2 Characteristics of European rivers, lakes, and reservoirs 23**
 - European rivers 24
 - European lakes and reservoirs 30
- 3 Water quality of European rivers and lakes 35**
 - Ecology of rivers and lakes 35
 - Environmental problems in rivers and lakes 36
 - Regulation of European rivers 39
 - Organic pollution of rivers 44
 - Nutrients in European rivers and lakes 50
 - Acidification of surface waters 65
 - Heavy metals, organic micropollutants, radioactivity, and other hazards 69
- 4 Ecology of rivers and lakes 35**
 - Plants, fish, birds, and mammals in European freshwater habitats 75
 - Aquatic macrophytes in European fresh waters 76
 - Freshwater fish 85
 - Birds and mammals associated with European fresh waters 90
- 5 Current situation and the way forward 103**

Appendix 107

Glossary 110

References 112