



MINISTRY OF AGRICULTURE

ISBN 80-7084-538-4

in co-operation with

© Consult Prague 2006

ISBN 80-903482-2-X

Production and layout concept:

RNDr. Jan Němec

Technical co-operation:

Mgr. Lenka Michajlova-Němcová

Graphs and schemes: Ing. Michal Vrabec
and Martin Škarda (p. 28,76)

Layout: Jan Kubeš

C&COM, s. r. o.

Print: Finidr, Český Těšín



MINISTERSTVO ZEMĚDĚLSTVÍ
ČESKÉ REPUBLIKY

1 WATER WEALTH

1.1	No water no life	8
1.2	Water cycle	14
1.3	Water in atmosphere	21
1.4	Water courses	25
1.5	Subsurface water	31
1.6	Lakes and morasses	36
1.7	Water ecosystems	40

2 USE OF WATER

2.1	Water balance	44
2.2	Withdrawal and disposal of water	49
2.3	Waterworks and sewerage	51
2.4	Water and industry	59
2.5	Water and agriculture	62
2.6	Water transport	66
2.7	Water energy	70
2.8	Natural healing resources	74
2.9	Water and recreation	80

3 HARMFUL EFFECTS OF WATER

3.1	Floods	82
3.2	Drought	90
3.3	Water erosion	93
3.4	Health risks and accidental pollution of water	96
3.5	Temperature changes in surface water	100

4 WATER ENVIRONMENT MODIFICATION

4.1	Watercourse training	102
4.2	River system revitalisation	107
4.3	Ponds	110
4.4	Dams	117
4.5	Protection of water resources	123
4.6	Climate change	128

5 WATER MANAGEMENT

5.1	Water legislation	132
5.2	State administration in water management	137
5.3	Administration of watercourses	138



Kingdom of ice on the Kamenice

5.4 The Labe River Basin Board state enterprise	140
5.5 The Vltava River Basin Board state enterprise	158
5.6 The Ohře River Basin Board state enterprise	176
5.7 The Morava River Basin Board state enterprise	192
5.8 The Odra River Basin Board state enterprise	210
5.9 Administration of forest streams	226
5.10 Administration of streams in agricultural land	232
5.11 Planning in water management	236

6 INTERNATIONAL CONTEXT

6.1 Water knows no boundaries	238
-------------------------------	-----

7 INFORMATION

7.1 Basic information	246
7.2 Glossary	248
7.3 Register	252
7.4 Editor's note	254
7.5 Bibliography	254

Explanation of abbreviations in text

APNL	Agency for Protection of Nature and the Landscape of the Czech Republic
BOD	biochemical oxygen demand
BOD ₅	five-day biochemical oxygen demand
CEI	Czech Environmental Inspectorate
CHMI	Czech Hydrometeorological Institute
CHOPAV	Protected Area of Natural Water Accumulation
COD	chemical oxygen demand
CSO	Czech Statistical Office
DLD	daily load diagram
EEC	European Economic Community
EG	electrical main grid
HPP	hydropower plant
ICPD	International Commission for the Protection of the Danube
ICPE	International Commission for the Protection of the Elbe
ICPO	International Commission for the Protection of the Odra
LČR	Forests of the Czech Republic, state enterprise
LPA	Landscape Protected Area
MA	Ministry of Agriculture

More abbreviations see on the page 253