

CONTENTS

Introduction	7
The Ecosystem Services of Urban Rivers	11
Water in the Czech Republic	13
Administration of watercourses in the Czech Republic	15
Ecosystem services of rivers in cities – the state of the art	17
Functions of water courses within ecosystem services of catchment areas	25
Landscape-forming functions of water courses	25
Ecological function of water courses	31
Hydrological-water management functions of water courses – flood protection landscaping of water courses	35
Energetic and transportation functions of water courses	39
Watercourses as a part of urban area of cities	45
Economic view on watercourses in cities	50
Perception on watercourses by city inhabitants and visitors in the Czech Republic	55
Recreation significance, use and a method of evaluation of recreation effect of watercourse landscaping in cities	59
A method of evaluation of recreation effect of watercourse landscaping	63
Characteristics and evaluation of selected watercourses in cities in Czech Republic	67
Prague – Capital city	69
Southern Bohemia Region	75

Southern Moravia Region	95
Karlovarský region	109
Vysočina region	123
Královehradecký region	135
Liberecký region	147
Moravskoslezský region	159
Olomoucký region	173
Pardubický region	187
Plzeňský region	201
Central Bohemia region	217
Ústecký region	231
Zlínský region	243
Recreation potential of rivers in Czech cities – overview of knowledge from field research	255
Recreation significance of watercourses in Oslo (Norway)	259
Summary in German, Spanish and Russian language	279
Kurzfassungen der fachkapiere – Flüsse in den städten	280
Abstractos de los capítulos especializados	
Los ríos en las ciudades	316
Резюме глав научной работы – Реки в городах	354
References	393
Index	398