## **Table of contents**

Summa	ry	1
Zusamn	nenfassung	3
General introduction		7
Chapter	1: Temporal scales of water level fluctuations in lakes and	17
	their ecological implications	
	Introduction	18
	Materials and methods	19
	Results	20
	Discussion	25
	Conclusions	32
Chapter	2: The relative importance of wind and ship waves in the	35
	littoral zone of a large lake	
	Introduction	36
	Materials and methods	37
	Results and discussion	43
Chapter	3: Wave-induced resuspension in the littoral zone of a large	57
	lake	
	Introduction	58
	Materials and methods	59
	Results	66
	Discussion	73
	Conclusions	75

Chapter 4: Wave-induced variability of the underwater light climate	
in the littoral zone	
Introduction	77
Materials and methods	78
Results and discussion	80
Conclusions	86
Chapter 5: Wave field characteristics and currents in a wave	
mesocosm	
Introduction	87
Materials and methods	88
Results	93
Discussion	96
	00
General discussion and perspectives	99
References	
Acknowledgments	
Curriculum vitae	
List of publications	
Conference and workshop presentations	