

## Appendix A: Vancouver Lake Research Plan - version 1 - Timeframes for tasks

Year	2010				2011				2012				2013				2014				Beyond	
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
<b>Task</b>																						
<b>Water Dynamics</b>																						
1.1 Physical Bathymetry																					COMPLETED	
1.2 1-D Model																					COMPLETED	
1.3 2-D model																					COMPLETED	
1.4 Identify and Acquire Water Balance Data																						
<b>Nutrients</b>																						
2.1 Analyze Existing Nutrient Data																						
2.2 Conduct Nutrient Budget Study																						
2.3 Data Analysis and reporting																						
<b>Sediment</b>																						
3.1 Analyze Existing Sedimentation Data																						
3.2 a Install and monitor sediment traps																						
3.2 b Collect surface sediment																						
3.2 c Estimate tributary inputs																						
3.3 a Collect Data for Physical Mechanisms																						
3.3 b Collect Data for Chemical Mechanisms																						
3.3 c Collect Data for Biological Mechanisms																						
3.4 Investigate Lake Sediment History																						
<b>Food Web Interactions</b>																						
4.1 Study Planktonic Assemblages																						
4.2 Determine Rate Processes																						
4.3 Broader Food Web Study																						
<b>Toxic Contaminants</b>																						
5.1 Technical review and summary report on existing toxics data and studies. Identify any data gaps.																						
5.2 If data gaps are identified, then determine necessary supplemental studies.																						
<b>Fish, Wildlife and Habitat</b>																						
6.1 Analyze Existing Data.																						
6.2 a Aquatic Species Survey																						
6.2 b Aquatic Habitat Survey																						
6.2 c Terrestrial Species Survey																						
6.2 d Waterfowl population surveys																						
6.3 Fish Community Study																						
6.4 Salmonid Genetic Study																						
<b>Lake Ecology Model</b>																						
7.1 Select Lake Water Quality Model																						
7.2 Develop Lake Hydrodynamic Component																						
7.3 Develop Lake Water Quality Model																						
7.4 Evaluate Management Options																						
<b>LEGEND</b>																						
																	Critical for Cyanobacteria Management					
																	Useful for Cyanobacteria Management					
																	Useful General Lake Knowledge					