LIST OF FIGURES (continued)

Figure <u>Number</u>		Page Number
3-1	Simplified nitrogen cycle showing chemical changes caused by plant and soil processes.	3-4
3-2	Simplified sulphur cycle showing chemical changes caused by plant and soil processes.	3-7
3-3	Logarithm buffer intensity diagram of dilute acidified waters.	3-9
3–4	Relationship of observed stream concentrations of aluminum to the pH of surface water.	3-10
3-5	Per cent of ionic composition of precipitation for the Hubbard Brook Experimental Forest during 1964 to 1977. ΣM^+ is sum of all cations.	3-14
3-6	Summary of alkalinity data from several Canadian lake studies, including sites inside and outside of acidic deposition areas.	
3-7	($Ca^{2+}+Mg^{2+}$ - alkalinity) vs ($S04^{2-}$) for lakes in Canada.	3-24
3-8	Aquatic input sensitivity of eastern Canada.	3-31
3-9	Aquatic input sensitivity of the eastern United States.	3-32
3-10	Ecodistrict criteria evaluation procedure for aquatic input sensitivity for eastern Canada.	3-34
3-11	Mean and range of $S0_4^{2-}$ or, near the coast, excess $S0_4^{2-}$, in lakes and streams of eastern Canada. Sampling dates range from 1973 to 1981.	3-42
3-12	Calcite saturation indices for 297 lakes in central Quebec, 1976 and 1980.	3-47
3-13	Annual changes in the median pH and mean discharge-weighted excess 504^{2-} for the St. Mary's and Medway Rivers, Nova Scotia, and the Isle aux Morts and Rocky Rivers, Newfoundland, 1954-55 or 1955-56 and one 1966-80.	3-52