

Map Product

Terrestrial sensitivity map was produced at 1:2,500,000 on the Ecodistrict data base for Ontario. Original data base for Ontario. Original data was at scales from 1:250,000 to 1:10,000,000. Compilation scale was 1:1,000,000. A compatible data base is currently being established for the rest of eastern Canada with completion expected by spring 1981.

Evaluation:

This is the only approach to date which considers various combinations of a number of single factors incorporating them into one overall sensitivity rating (ESC). Interpretation of the ESC is possible in terms of forest productivity and aquatic inputs as defined. It is this quality that identifies the Ecodistrict Terrain Sensitivity scheme as the only one which defines potential effects of acid inputs to specific sensitivities, i.e. forest productivity sensitivity and aquatic inputs sensitivity.

The classes derived are still general and interpretations subjective. Further analysis will require the understanding of difference in buffering potential between petrography and depth (e.g. deep, low base sand vs. shallow, limy clay). This will, in part, require more accurate soil chemical information from the Canadian Shield areas to compare with the above petrography classes.