

SURFICIAL MATERIALS

Shilts et al (1980), Geological Survey of Canada

Objective

To identify areas of similar composition from which response to acid precipitation loadings can be predicted.

Criteria

- (1) Origin of surficial deposits
- (2) Presence/absence of calcareous materials
- (3) Bedrock material (carbonates)

Sensitivity Class Definitions

<u>Sensitivity</u>	<u>Description</u>
low	(a) areas underlain by carbonate bedrock; all surficial deposits likely to be calcareous.
indeterminate or intermediate	(b) areas formerly submerged beneath postglacial seas; high probability of occurrence of cal- careous, fine-grained marine sediments. (c) areas formerly submerged beneath postglacial lakes; high probability of occurrence of calcareous, fine-grained lake sediments.
	(d) areas of calcareous drift, glacially trans- ported from major carbonate outcrops.
high	(e) areas where surficial deposits are likely to be non-calcareous.

Map Products

Small scale (1:15,000,000) map produced for eastern Canada; east of Manitoba and South of 52°N.

Evaluation

This map was not intended for use as a data base (R. Dilabio, pers. comm.) and it is unfair to evaluate map without a formal description.