

E 73-10270

Paper W 16

## REMOTE SENSING OF TURBIDITY PLUMES IN LAKE ONTARIO

Edward J. Pluhowski, *U. S. Geological Survey, Water Resources Division, Arlington, Virginia*

### ABSTRACT

Preliminary analyses of Landsat-1 imagery demonstrate the utility of the satellite to monitor turbidity plumes generated by the Welland Canal, and the Genesee and Oswego rivers. Although visible in high altitude photographs, the Niagara River plume is not readily identifiable from satellite imagery.