

Thunder Bay Dredging

Thunder Bay, Ontario, Canada
Mission Bay Disposal Facility



COMPLETION DATE

October 2001

VALUE OF CONTRACT

\$1,560,000.00

OWNER

Public Works Canada
Dave Lawrence
416-512-5723

CONSULTANT

Public Works Canada
Dave Lawrence
416-512-5723



Project Description

DESCRIPTION

Dredging of Mission Bay Disposal area, approximately 146,000m³ of medium to hard clay, silt, sand and gravel mixture which will be pumped into a pre-constructed contained disposal facility.

EQUIPMENT

The 16 in cutter suction dredge "John Holden" with approximately 5200 ft of 16 in. Ø Pipeline was used to pump material to containment facility

Dredging Method

Since the area to be dredged as well as the disposal site was environmentally sensitive, the owners chose to complete the work with a hydraulic cutter suction dredge. The dredged material was pumped into a confined disposal area with decant weirs & flocculent injections to control the amount of suspended solids going back into the water stream.