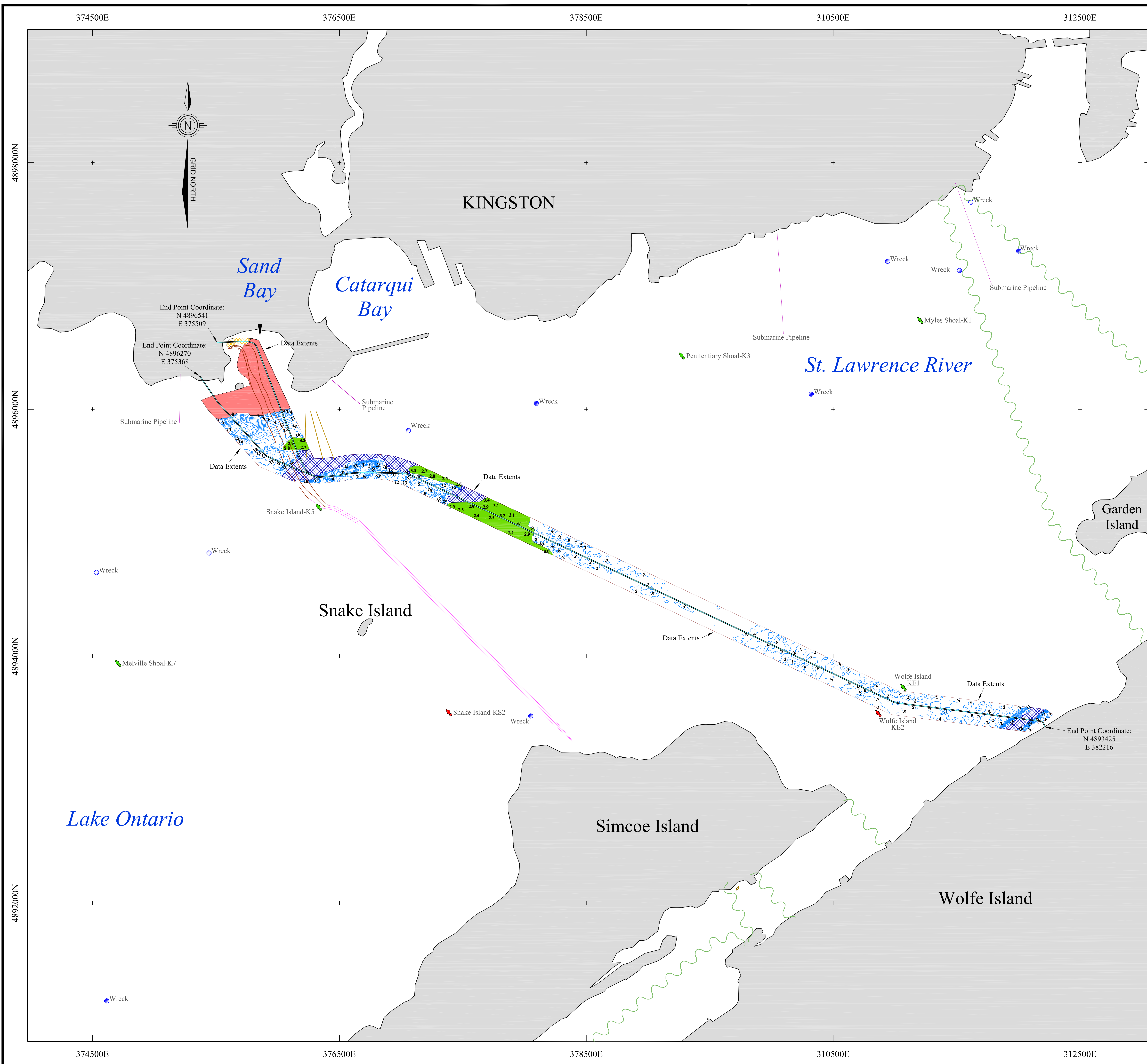




- LEGEND**
-  Proposed Cable Route
 -  Cable Route Survey Data Extent
 -  As-Found Location of Hydro One Submarine Power Cable
 -  Interpolated Location of Hydro One Submarine Power Cable
 -  As-Planned Location of Hydro One Submarine Power Cable
 -  As-Found Submarine Intake Pipes
 -  Chart Location of Submarine Pipeline (CHS Chart 2017)
 -  Chart Location of Submarine Cable (CHS Chart 2017)
 -  Wreck (known Shipwreck)
 -  Port-Hand Navigational Marker
 -  Starboard-Hand Navigational Marker
 -  UTM Graticule

SUB-BOTTOM GEOLOGY LEGEND

- Thickness of Unconsolidated Sediments – The depth from loabed to this isopach represents the thickness of unconsolidated sediments. Displayed as blue isopachs of 1 metre intervals (Depth below Loabed).
-  Bedrock at loabed.
- 3.1** Location and Depth of Gas – Multiple areas of shallow gas are present in the sub-bottom data masking the underlying geology. It is presumed that the gas is biogenic in origin as a result of decaying organic material.
-  Till less than 0.5 metres thick, over top of Bedrock.
- Unconsolidated sediment thickness is greater than 10m below loabed. In those areas, unconsolidated sediments extend past the maximum resolvable depth of the sub-bottom profiler. Therefore, the maximum depth of unconsolidated sediments in these areas are unknown.

FIELD SURVEY

The survey was conducted by Canadian Seabed Research Ltd. between June 29 and May 21, 2007.

Party Chief: Blaine Cor

SURVEY VESSEL AND EQUIPMENT

Vessel:	"Seastar"
Positioning System:	Differential GPS
Survey Navigation Software:	Hypack Max
Echo Sounder:	Edom CV3 (33 & 200 kHz)
Side Scan Sonar:	Klein 595 (500 kHz)
Sub-bottom Profiler:	Klein 3.5 kHz
Digital Acquisition System:	CODA DA-100

BASEMAP

Projection: Universal Transverse Mercator (Zone 18)
Meridian of Origin: 75° West of Greenwich
Latitude of Origin: Equator
False Co-ords of Origin: 500,000m East
Nil m North
Horizontal Datum: North American Datum of 1983 (NAD83)
Vertical Datum: Chart Datum (74.2 metres above I.G.L.D. 1985)
Scale: 1:10,000
Units: Metres

SUB-BOTTOM PROFILE DATA

The shallow sub-surface geological interpretation was based on sub-bottom profiler data digitally collected with a Coda DA-100 Acquisition System. Depths below seabed were determined using a seismic velocity of 1600m/s.

The digital data was processed within Coda GeoSurvey software and the stratigraphic horizons were interpreted. The horizons were exported as XYZ ASCII text files. The ASCII data files were imported into Surfer, a surface modelling package, to create 10 metre by 10 metre grid cells based on a kriging interpolation algorithm. Isopachs were generated at 1 metre intervals based on the grid data.

NAVIGATION HAZARDS

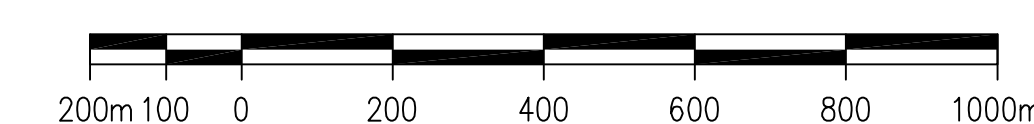
The positions for the navigation buoy were obtained from the Fisheries and Oceans Canada, Notice to Mariners, Inland Waters – List of lights, Buoy and Fog Signals January 2006 (www.natmar.gc.ca). Navigation hazards such as shipwreck positions, submarine cables and pipelines were digitized from Canadian Hydrographic Service Chart 217, April 29, 2005 and U.S. Department of Commerce, National Oceanic and Atmospheric Administration Chart 1202, 31st ed. October, 2005. Additional submarine pipelines, submarine cables and wrecks may exist within the area and not indicated the chart.

COASTLINE

The Shoreline was obtained from a NOAA Website (<http://nauticalcharts.noaa.gov/mcd/Raster/Index.htm>) and should be considered approximate.

Note: This chart is not for navigational purposes

Scale (metres)
1 : 10000



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ENGINEERING & ENVIRONMENTAL GEOPHYSICS

Wolfe Island Cable Route Survey
Kingston, Ontario
Thickness of Unconsolidated Sediments
Enclosure 3

REV	DATE	REMARKS	INTERPRETED BY	COMPILED BY	CHECKED BY
0	June 15, 2007	Draft	AC	AC	GG
1	July 09, 2007	Final	AC	AC	GG
SCALE: 1:10000			PROJECTION: UTM Zone 18		
CSR PROJECT #: 0716			FILE: 0716E03 Sed Iso.dwg		

SCALE: 1:10000	PROJECTION: UTM Zone 1
SR PROJECT #: 0716	FILE: 0716E03_Sed Iso.dwg