



Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

Fisheries and Oceans Canada
Pêches et Océans Canada

Key plan

Legend

- INTERNATIONAL BOUNDARY
- CHANNEL LIMIT
- CHANNEL CENTERLINE
- SAMPLE POINT
- OUNDING DEPTH BELOW CHART DATUM
- DRY SOUNDING
- HORIZONTAL CONTROL POINT CHS
- HORIZONTAL CONTROL POINT OTHER AGENCY
- HORIZONTAL CONTROL POINT FMS
- DREDGE LIMIT CONTROL POINT
- BUOY
- NAVIGATION LIGHT
- CHS GAUGE STATION

Scale

1:1000

Map info

GEODETIC DATUM : WGS_84
MAP PROJECTION : UTM
ZONE : 17

REFERENCE STATIONS:

PT. NAME	EASTING	NORTHING	DESCRIPTION
BOLL	325238.530	4662668.273	BASE_ST_(Backup)

Use of NOS CORS stations, virtual base stations, a network of at least 5 stations used simultaneously.

VERTICAL DATUM: IGLD_1985

REFERENCE BENCHMARKS:

BM NAME	ELEVATION	DESCRIPTION
BAR_POINT_GAUGE	1735.3m	CHS_GAUGE
AMHERSTBURG_GAUGE	1738.7m	CHS_GAUGE

WATER LEVEL REDUCTION: WEIGHTED AVERAGE BETWEEN GAUGES

ALL SOUNDINGS ARE IN METRES AND REFERENCED TO IGLD85 USING A SLOPED DATUM BETWEEN LAKE ERIE, ELEV. 173.5m AND AMHERSTBURG ELEV. 173.87m

MATRIX SOUNDING FILE(S): LIV_1-7_16_MIN & BARPOINT_ALL_16_MIN

Notes

* THE SOUNDING INFORMATION REPRESENTS RESULTS OF THE SURVEY MADE ON THE DATE(S) SPECIFIED AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME

titre du projet

LOWER DETROIT RIVER
NAVIGATIONAL DREDGING
2016

titre du dessin

LAYOUT PLAN
DREDGING AREAS

designed by
A. ROPER

drawn by
R. JACQUES

reviewed by
R. CARIGLIA

approved by
A. ROPER

project date
2016-09-23

project no.
R.082378.001

drawing no.
MA002

sheet no.
2_OF_4

WSP Canada Inc.
600 Cochrane Drive, Suite 200
Markham, ONTARIO
L3R 9K3
T: 905-727-7270
www.wspgroup.com

LICENSED PROFESSIONAL ENGINEER
A. D. ROPER
1002201138
22/9/16
PROVINCE OF ONTARIO

DREDGING AREA COORDINATE TABLE			
SCENARIO	POINT	EASTING	NORTHING
A	A1	323161.4	4654160.7
	A2	323101.8	4654168.0
	A3	323204.6	4654508.0
	A4	323145.1	4654515.3
B	A1	323161.4	4654160.7
	A2	323101.8	4654168.0
	A5	323217.0	4654607.2
	A6	323157.4	4654614.5
C	A1	323161.4	4654160.7
	A2	323101.8	4654168.0
	A7	323229.4	4654706.4
	A8	323169.8	4654713.8

SURVEY NOTES:
SURVEY PARTY CHIEF: J. BARTLETT
SURVEY VESSEL: CS. BOOMASTER
SURVEY DATE(S): 2016/05/09 to 2016/05/31

SOUNDER TYPE: KONGSBERG EM2040C
SOUNDER SETTING: N/A
DEPTH GATE USED: N/A

POSITIONING SYSTEM USED: APPLIXANT POSMV_320
LAND SURVEY POSITION BY: N/A

OFFICE PROCESSOR: R. BATTISTA
DATE OF PROCESSING: 2016/05/09 to 2016/05/31

MODE OF PLOTTING: AVERAGE OF INSTANTANEOUS DEPTHS
MATRIX CELL WIDTH X LENGTH: 4x4

* THE SOUNDING INFORMATION REPRESENTS RESULTS OF THE SURVEY MADE ON THE DATE(S) SPECIFIED AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME