

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

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

VERTICAL DATUM: I.G.L.D. 1985
REFERENCE BENCHMARKS:
BM. NAME ELEVATION DESCRIPTION
BAR_POINT_GAUGE 173.5_m CHS_GAUGE
AMHERSTBURG_GAUGE 173.87_m 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

SURVEY DATE(S) : 2016/05/09 TO 2016/05/31

notes

WSP
WSP Canada Inc.
600 Cochrane Drive, Suite 200
Markham, ONTARIO
L3R 5K3
T: 905-475-7270
www.wspgroup.com

* 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

project title
titre du projet

LOWER DETROIT RIVER
NAVIGATIONAL DREDGING
2016

drawing title
titre du dessin

LOCATION PLAN
COORDINATE TABLE

designed by
conçu par

A. ROPER

drawn by
dessiné par

R. JACQUES

reviewed by
examiné par

R. CARIGLIA

approved by
approuvé par

A. ROPER

project date
date du projet

2016-09-23

project no.
no. du projet

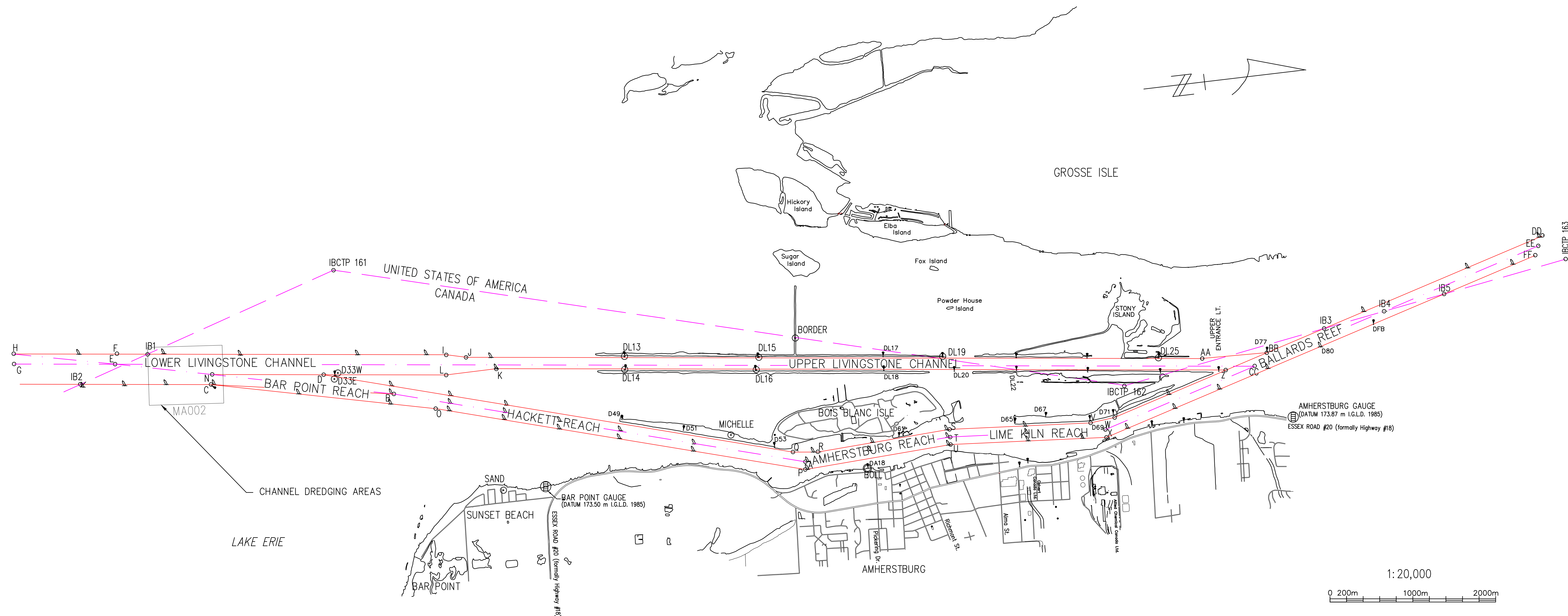
R.082378.001

drawing no.
dessiné no.

MA001

sheet no.
feuille

1_OF_4



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

DREDGING AREA NOTES	
AREA NOTE: DREDGING AREA is subdivided into AREAS 'A5' 'A6' and 'A7'. The Project Depth is 9.0m.	

DRAWING INDEX	
No.	DRAWING TITLE
MA001	LOCATION PLAN, COORDINATE TABLE
MA002	LAYOUT PLAN - DREDGING AREAS
MA003	LAYOUT PLAN - PTE MOUILLE DISPOSAL FACILITY
MA004	POINTE MOUILLE SOUNDINGS

COORDINATE TABLE					
CHANNEL POINT	UTM NAD 83 COORDINATE VALUE		CHANNEL POINT/ CONTROL POINT	UTM NAD 83 COORDINATE VALUE	
	NORTHING	EASTING		NORTHING	EASTING
A	4661936.787	325071.409	AA	4666823.494	324414.930
B	4657108.183	323653.840	BB	4667630.357	324440.813
C	4654929.261	323271.069	CC	4667458.408	324585.920
D	4656286.252	323317.244	DD	4671110.774	323442.890
E	4653820.194	322887.179	EE	4671039.888	323558.367
F	4653841.626	322766.989	FF	4670969.002	323673.835
G	4652600.707	322735.260	IB1	4654207.663	322812.589
H	4652593.623	322611.394	IB2	4653362.799	323075.910
I	4651787.637	323258.567	IB3	4668345.238	324235.552
J	4658025.828	323318.954	IB4	4669090.475	324117.356
K	4658371.810	323500.269	IB5	4669835.822	323998.983
L	4657757.495	323500.526	IBCTP 161	4656562.840	322078.543
N	4654951.514	323150.968	IBCTP 162	4665881.292	324627.023
O	4657604.464	323894.831	IBCTP 163	4671388.603	323752.378
P	4661925.819	323163.483	SAND	4658296.924	324911.826
Q	4661801.533	324936.407	DL03	4652098.860	322679.224
R	4662099.967	324971.949	MICHELLE	4661108.231	324691.690
S	4663704.809	324894.111	BORDER	4661994.956	323568.258
T	4663703.541	324985.717	DL14	4659904.983	323702.041
U	4663702.274	325077.322	D33E	4656421.710	323345.573
V	4665409.255	325024.105	D33W	4656421.557	323341.166
W	4665569.446	325128.023	DL13	4659924.537	323546.038
X	4665578.889	325220.444	DL15	4661499.902	323742.170
Y	4665705.317	324993.857	DL16	4661481.288	323897.301
Z	4667113.563	324589.282	DL19	4663732.510	324012.440
			DL25	4666319.366	324348.019
			BOLL	4662667.326	325239.127

NOTE: IBCTP 161 - denotes International Boundary Turning Point
IB2 - denotes intersection of International boundary
with channel limit
HS006 - denotes Hydrographic Survey sheet number

* STATION BOLL WAS ESTABLISHED IN 2010 USING GPS
PRECISE POINT POSITIONING

