

NOTES

SURVEY PARTY CHIEF RICHARD HEALEY  
SURVEY VESSEL ALUMINUM BOAT  
SURVEY DATE(S) SEPTEMBER 28, 2016 - JANUARY 10, 2018

SAUNDER TYPE: SINGLE TRANSDUCER  
SAUNDER SETTING MIN/INST VEL. OF SOUND 1460 m/s  
DEPTH GATE USED N/A FREQ. OF TRANS. 210 KHZ

POSITIONING SYSTEM USED DGPS (WITH OTF)  
LAND SURVEY POSITION BY DGPS (WITH OTF)

DATA TAPE/DISC(S) USED  
CAD DRAWING FILE(S):

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS  
DATE OF PROCESSING JANUARY 2018

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS  
MATRIX CELL WIDTH X LENGTH  
REDUCTION OF MATRIX CELLS

CONTROL POINTS:

PL NAME	NORTHING	EASTING	CD ELEV	DESCRIPTION
7620656	639048.199	5210613.085		PROVINCIAL BRASS PLAQUE IN BEDROCK
7620657	638983.139	5210303.943		PROVINCIAL BRASS PLAQUE IN BEDROCK
PWC 1-96	638757.589	5210239.249	+3.567 m	NAIL RAM-SET IN CONCRETE DECK
BM 1-88	638700.679	5210209.191	+4.673 m	I.P. SET IN CONCRETE CYLINDER
PWC 1-2011	639590.413	5211085.186	+4.833 m	BOLT CEMENTED IN CONCRETE BOLLARD
PWC 1-2009	638836.020	5210196.589		NAIL RAM-SET IN CONCRETE DECK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO BM 1-88 ELEV. +4.673 m (I.P. SET IN CONCRETE CYLINDER) ESTABLISHED BY WATER LEVEL TRANSFER FROM CHS BM "VICK" ELEV. + 3.978 m LOCATED AT MARYSTOWN ON MARCH 25-26, 1988 BY PWGSC SURVEY CREW.

SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SAUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON JANUARY 10, 2018 BY PWGSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83).

SOUNDINGS WERE REDUCED BY DIGITRACE & RE-CHECKED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.

SOUNDINGS WERE REDUCED USING HYPACK MAX VER.2013"A"

SPEED OF SOUND WAS OBTAINED USING A DIGIBAR-PRO VELOCIMETER.

ALL FIELD NOTES ARE IN SHIP COVE (BURIN) BOOK #78.

## LEGEND

### SYMBOLS

- |                      |                    |
|----------------------|--------------------|
| ACQUACULTURE         | LADDER             |
| ANCHOR BLOCK         | LIFE RING          |
| BOLLARD              | LIGHT STANDARD     |
| BOREHOLE             | MANHOLE            |
| BOUNDARY MARKER      | MARSH              |
| CARD POSITION BUOY   | MAST/TOWER         |
| CATCH BASIN          | NAVIGATION LIGHT   |
| CLEAT                | OBSERVED BUOY      |
| CULVERT              | OBSERVED SPAR BUOY |
| DERRICK              | PIPE PILE          |
| DISPOSAL             | RANGE LIGHT        |
| DREDGE CONTROL       | SAFETY POST        |
| ELECTRICAL OUTLET    | SEWER OUTFLOW PIPE |
| FIRE HYDRANT         | SIGN               |
| FIRST AID            | TELEPHONE POLE     |
| FISH HANDLING EQUIP. | TIDE GAUGE/STAFF   |
| FOG HORN             | TREE               |
| FUEL PUMP            | UTILITY POLE       |
| H PILE               | VERTICAL CONTROL   |
| HORIZONTAL CONTROL   | WATER TAP/OUTLET   |
| ICE PLANT            | WATER VALVE        |
| INVERT PIPE          | WATER WELL         |
| JB CRANE             | WOOD PILE          |
| FLAG POLE            |                    |

### LINE TYPE

- |                      |                       |
|----------------------|-----------------------|
| ARMOUR STONE         | MARSH OUTLINE         |
| CL RAILROAD          | PROPERTY BOUNDARY     |
| DRAIN PIPE           | RANGE LIGHT EXTENSION |
| EDGE ROAD / SHOULDER | RETAINING WALL        |
| FENCE LINE           | RIPRAP                |
| FLOATING WAVEBREAK   | TOE OF BANK           |
| GUARD RAIL           | TREE LINE             |
| HIGH WATER MARK      | UNDERGROUND CABLE     |
| LOW WATER MARK       |                       |

PWC 1-2011

LEGEND:

- |  |
|--|
| NEW FINGER PIER WHARF                  |
| AREA OF DEMOLITION (REPLACED WITH NEW) |

SCALE: 1:125

0m 1 2 3 4 5 6 7 8 9 10m