



SURVEY NOTES

SURVEY PARTY CHIEF: EDDIE BEARNS
SURVEY VESSEL: ALUMINUM BOAT
SURVEY DATE(S): BETWEEN OCTOBER 24, 2010 - AUGUST 23, 2011 & NOV. 08, 2012

SONAR TYPE: SINGLE TRANSDUCER
SONAR SETTING: MIN/INST VEL OF SOUND: 1500 m/s
DEPTH DATE USED: N/A
POSITIONING SYSTEM USED: DGPS (WITH OTF)
LAND SURVEY POSITION BY: DGPS (WITH OTF)
DATA TYPE/PROCESS: USED
CNO DRAWING FILED: USED
TDA, REDUCTION SCHEME

OFFICE PROCESSOR: EDDIE BEARNS
DATE OF PROCESSING: NOVEMBER 2012

MODE OF PLOTTING: LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH: 10m X 10m
REDUCTION OF MATRIX CELLS

CONTROL POINT	EASTING	NORTHING	CD ELEV	DESCRIPTION
2003017	579541.081	5796288.285	8.132 m	PROVINCIAL BRASS PLAQUE SET IN BEDROCK
795-1908	579642.553	5796280.483	5.684 m	I.P. WITH CAP SET IN BEDROCK
PWC 1-94	579527.743	5796335.488	2.527 m	X-CUT IN GUY WIRE ANCHOR
PWC 2-94	579685.306	5796291.808	2.485 m	BOLT SET IN CONCRETE DECK
95F9336			6.298 m	CHS BRASS PLAQUE SET IN BEDROCK
95F9337			8.525 m	CHS BRASS PLAQUE SET IN BEDROCK
95F9338			4.078 m	CHS BRASS PLAQUE SET IN BEDROCK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 95F9336 ELEV. +6.298m (BRASS PLAQUE SET IN BEDROCK).

SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON OCTOBER 24, 2010, AUGUST 23, 2011 & NOV. 08, 2012 BY PWSC 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.02.12.

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

NOTE: NEW BUILDING WAS LOCATED ON JULY 23, 2012.

GENERAL NOTES:

- ALL DIMENSIONS IN MILLIMETRES.
- ALL ELEVATIONS IN METRES.

Public Works and
Government Services
Canada

Travaux Publics et
Services gouvernementaux
Canada

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
This Permit Allows
APN ENGINEERING INC.

To practice Professional Engineering
in Newfoundland and Labrador.
Permit No. as issued by APENL F0022
which is valid for the year 2012.

NEIL C. HUNT
REGISTERED PROFESSIONAL ENGINEER
NEWFOUNDLAND & LABRADOR

0	ISSUED FOR TENDER	1/16/14
revisions		date
project	HARBOUR DEVELOPMENT PHASE I	project
	MARY'S HARBOUR, LABRADOR	
drawing		desain
	EXISTING SOUNDING AND TOPOGRAPHIC SURVEY PLANT SITE	
designed N.H.		conqu
date	FEBRUARY 11, 2013	
drawn P.H.		desain
date	FEBRUARY 11, 2013	
approved		approved
date		
Tendered		Signature
PWSC Project Manager	Admin/Exec. Dir. of the TPSC	
project number		no. du projet
	R.064896.001	
drawing no.		no. du dessin
	C1 OF 11	

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