



**NOTES**

**SURVEY PARTY CHIEF** EDDIE BEARNS  
**SURVEY VESSEL** ALUMINUM BOAT  
**SURVEY DATE(S)** AUGUST 26, 2009, MARCH 08, 2010 & APRIL 22, 2010

**SOUNDER TYPE** SINGLE TRANSDUCER  
**SOUNDER SETTING** MIN/INST VEL. OF SOUND 1520 m/s  
**DEPTH GATE USED** N/A  
**PRE. OF TRANS.** 210 KHZ

**POSITIONING SYSTEM USED** DGPS (WITH OIP)  
**LAND SURVEY POSITION BY** DGPS (WITH OIP)  
**DATA TAPE/DISC(S) USED** CDR DRAWING FILE(S)  
**TIDAL REDUCTION SCHEME**

**OFFICE PROCESSOR** EDDIE BEARNS  
**DATE OF PROCESSING** APRIL 2010

**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
8906056	285245.402	5482792.820			C.L. BRASS PLAQUE SET IN BEDROCK
BM 1-87	285527.049	5482782.758		+6.050 m	IRON PIN SET IN BEDROCK
FWO 3-89	285639.283	5482823.221		+2.443 m	BRONZE TABLET SET IN CONCRETE DECK
92F9161					

ALL SOUNDINGS & ELEVATIONS IN METRES.  
ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 92F9161 ELEV. +2.443 m (BRONZE TABLET SET IN CONCRETE DECK NEAR THE OLD GOV'T WHARF).

SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON AUGUST 26, 2009 APRIL 22, 2010 BY PWSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE UTM MAPPING PLANE, ZONE 22, 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.

ALL FIELD NOTES ARE IN MUSGRAVE HARBOUR #58° 0'.

**LEGEND**

**SYMBOLS**

ACQUACULTURE  
ANCHOR BLOCK  
BOULDER  
BOUNDARY MARKER  
CAVED POSITION BUOY  
CATCH BASIN  
CLEAT  
CULVERT  
DERISK  
DISPOSAL  
DREDGE CONTROL  
ELECTRICAL OUTLET  
FIRE HYDRANT  
FIRST AID  
FISH HANDLING EQUIP.  
FOX HORN  
FUEL PUMP  
H PILE  
HORIZONTAL CONTROL  
ICE PLANT  
INVERT PIPE  
JIB CRANE  
FLAG POLE

LADDER  
LIFE RING  
LIGHT STANDARD  
MARSH  
MAST/TOWER  
NAVIGATION LIGHT  
OBSERVED BUOY  
OBSERVED SPAR BUOY  
PIPE PILE  
RANGE LIGHT  
SAFETY POST  
SEWER OUTFLOW PIPE  
SIGN  
TELEPHONE  
TELEPHONE POLE  
TIDE GAUGE/STAFF  
TREE  
UTILITY POLE  
VERTICAL CONTROL  
WATER TAP/OUTLET  
WATER VALVE  
WATER WELL  
WOOD PILE

**LINE TYPE**

ARMOUR STONE  
CL. RAILROAD  
DRAIN PIPE  
EDGE ROAD / SHOULDER  
FENCE LINE  
FLOATING WAVEBREAK  
GUARD RAIL  
HIGH WATER MARK  
LOW WATER MARK

MARSH OUTLINE  
PROPERTY BOUNDARY  
RANGE LIGHT EXTENSION  
RETAINING WALL  
RIPRAP  
TIDE OF BANK  
TREE LINE  
UNDERGROUND CABLE

**WHARF STRUCTURES TO BE DEMOLISHED**

**GENERAL NOTES:**

- ALL DIMENSIONS IN MILLIMETRES. ALL ELEVATIONS IN METRES.
- ALL EXISTING STRUCTURE COMPONENTS INCLUDING THOSE WHICH HAVE COLLAPSED OUTSIDE THE FOOTPRINT OF THE EXISTING WHARF OR SETTLED BELOW THE HARBOUR BOTTOM ARE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING HIS OWN ASSESSMENT OF SAFE LOADINGS ATOP THE WHARF DURING DECONSTRUCTION ACTIVITIES, AND JUDGE HIS EQUIPMENT ACCORDINGLY. THE DEPARTMENTAL REPRESENTATIVE RESERVES THE RIGHT TO RESTRICT HEAVY EQUIPMENT USE ATOP THE EXISTING WHARF INFRASTRUCTURE SHOULD UNSAFE CONDITIONS BE EVIDENT.
- CONSIDER EXISTING SECTIONS, AS SHOWN, TO BE APPROXIMATE. SECTIONS ARE SHOWN FOR CONTRACTOR'S GENERAL ILLUSTRATION PURPOSES ONLY, AND EXISTING CONDITIONS ARE EXPECTED TO VARY. CONTRACTOR WILL BE EXPECTED TO VISIT THE SITE AND DETERMINE THE EXISTING CONDITIONS AND LEVEL OF EFFORT REQUIRED TO REMOVE THE EXISTING STRUCTURES. THERE WILL NO ADDITIONAL COSTS TO CANADA IF CONDITIONS VARY FROM THAT SHOWN, IN THIS REGARD.
- ALL TREATED TIMBER ASSOCIATED WITH THE EXISTING WHARF TO BE DISPOSED OF AT ONE OF THE REGIONAL WASTE DISPOSAL SITES IN NORRIS ARM OR ST. JOHN'S.
- PROTECT ELECTRICAL TRENCH AND LIGHT POLES WHICH ARE DIRECTLY BEHIND THE MARGINAL WHARF. CONFIRM EXACT LOCATION OF EXISTING ELECTRICAL LINES PRIOR TO DEMOLITION ACTIVITIES. USE GROUND PENETRATING RADAR OR OTHER MEANS TO LOCATE CONDUIT AS DAMAGE IS TO BE REPAIRED AT CONTRACTOR'S EXPENSE.
- A PREVIOUS UNDERWATER DIVING INSPECTION SHOWING AREAS OF CONCRETE BAGS IS AVAILABLE FOR REVIEW BY CONTACTING THE DEPARTMENTAL REPRESENTATIVE.

Pêches et Océans Canada

**SMALL CRAFT HARBOURS**

NOTES:

- ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

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

To practice Professional Engineering in Newfoundland and Labrador, you must have a Permit No. as issued by APERNL F0292, which is valid for the year 2018.

STAMP  
REGISTERED PROFESSIONAL ENGINEER  
NEIL C. HUNT  
06/28/18  
NEWFOUNDLAND & LABRADOR

A	ISSUED FOR TENDER	8/16/18
revisions		date
project	<p><b>WHARF RECONSTRUCTION</b></p> <p><b>MUSGRAVE HARBOUR, NL</b></p>	
drawing	desain	
<p><b>SOUNDING, TOPOGRAPHIC SURVEY AND DEMOLITION PLAN</b></p>		
designed	N.H.	conou
date	AUGUST 18, 2018	
drawn	P.H.	desaine
date	AUGUST 18, 2018	
approved		approve
Tender	Sourmission	
DFD Project Manager	no. du projet	
project number	711872/721941	
drawing no.	no. du dessin	
C1		