SURVEY NOTES

SURVEY PARTY CHIEF EDDIE BEARNS
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) OCTOBER 20–22,2008 and OCT.26,2009
MARCH 13,2012

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL. OF SOUND 1520 m/s
DEPTH GATE USED N/A FRE. 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 NOVEMBER 2009
MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH
REDUCTION OF MATRIX CELLS

CONTROL POINTS:

Pt. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
93G9037	676524.304	5252787.910		C.L. BRASS PLAQUE SET IN CONCRETE
PWC 1–00	675980.724	5251875.821	+3.003 m	BOLT SET IN CONCRETE DECK
PWC 2–00	675991.617	5251892.576	+3.063 m	BOLT SET IN CONCRETE DECK
PWC 1–2009	676563.577	5252775.725	+3.883 m	BOLT SET IN BEDROCK
PWC 2–2009	676527.945	5252623.308	+4.188 m	NAIL IN PAVEMENT

ALL SOUNDINGS & ELEVATIONS IN METRES.

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON OCT.20–22,2008 AND OCT.26,2009 BY PWCSC SURVEY CREW.

ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC 1–00 ELEV.+3.003 m (BOLT SET IN DECK) OR PWC 2–00 ELEV.+3.063 m (BOLT SET IN DECK) ESTABLISHED FROM CL MON 93G9037 ELEV. + 6.076m ABOVE CHART DATUM.

NOTE: USE 1.24 m AS THE DIFFERENCE BETWEEN GEODETIC & CHART DATUMS.

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 USIND A DIGIBAR–PRO VELOCIMETER.

ALL FIELD NOTES ARE IN BOOK MARKED PETIT FORTE # 303.

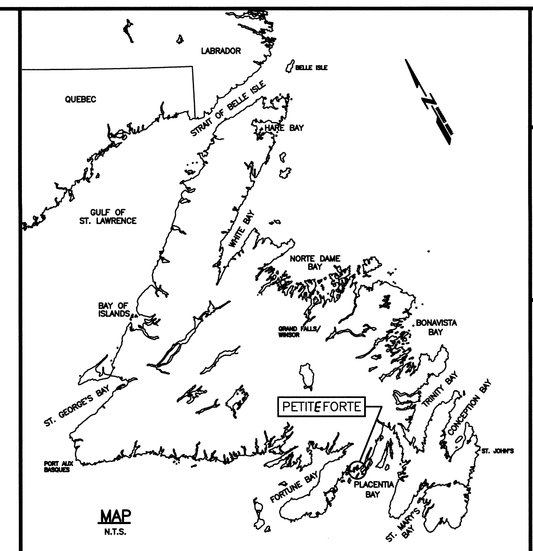
LEGEND

SYMBOLS

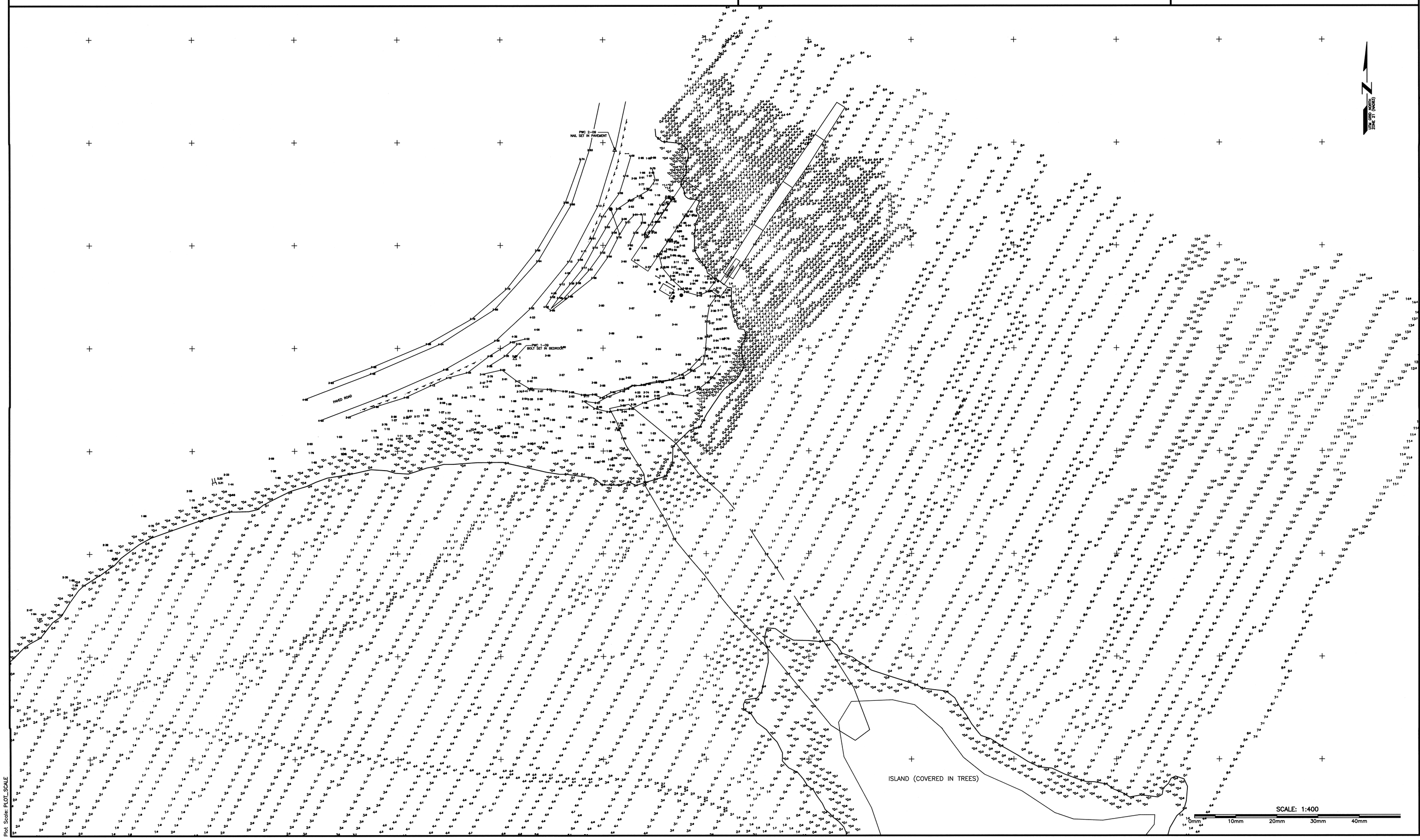
- ACQUACULTURE
- ANCHOR BLOCK
- BOLLARD
- BOREHOLE
- BOUNDARY MARKER
- CARD POSITION BUOY
- CATCH BASIN
- CLEAT
- CULVERT
- DERRICK
- DISPOSAL
- DREDGE CONTROL
- ELECTRICAL OUTLET
- FIRE HYDRANT
- FIRST AID
- FISH HANDLING EQUIP.
- FOG HORN
- FUEL PUMP
- H PILE
- HORIZONTAL CONTROL
- ICE PLANT
- LADDER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

LINETYPE

- 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
- TOE OF BANK
- TREE LINE
- UNDERGROUND CABLE



MAP
N.T.S.



Plot Scale: PLOT_SCALE

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

NOTES:

1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
This Permit Allows
AFN ENGINEERING INC.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No.as issued by APEGNL F0292
which is valid for the year 2016.

STAMP
REGISTERED PROFESSIONAL ENGINEER
NEIL C. HUNT
SIGNATURE
09/02/16
DATE
NEWFOUNDLAND & LABRADOR

C	ISSUED FOR TENDER	09/02/2016
B	ISSUED FOR 66% REVIEW	06/02/2016
A	ISSUED FOR 33% REVIEW	20/12/2015
revisions		date

project / projet
BREAKWATER CONSTRUCTION AND FLOATING DOCKS
PETITE FORTE, NL

drawing / dessin
SOUNDING AND TOPOGRAPHIC SURVEY

designed N.H. / concu
date FEBRUARY 9, 2015
drawn P.H. / dessine
date FEBRUARY 9, 2015
approved / approuve
Tender / Soumission
DFO Project Manager
project number / no. du projet
714115
drawing no. / no. du dessin
C1