

**Underwater Probes
Port Saunders, Newfoundland**

Performed for:
DFO

Prepared by:

Sea-Force Diving Ltd.
24 Dundee Avenue
Donovan's Industrial Park
Mt. Pearl, NL, A1N 4R7

**Underwater Probes
Port Saunders, Newfoundland**

DATE OF INSPECTION:

December 19th, 2014

LOCATION:

Port Saunders, NL

REPORT WRITTEN BY:

Tony Breen, Dive Supervisor
Sea-Force Diving Ltd.

DIVING CREW:

Tony Breen, Supervisor
Dave Pritchard, Diver
Justin Penton, Diver
Jared Smith, Diver

WEATHER CONDITIONS:

Temperature: -2 °C
Wind: NE - 50 km
Visibility: Overcast/Snow
Tide: N/A

UNDERWATER CONDITIONS:

Temperature: + 4°C
Visibility: .1 m – .3 m
Current: Tidal

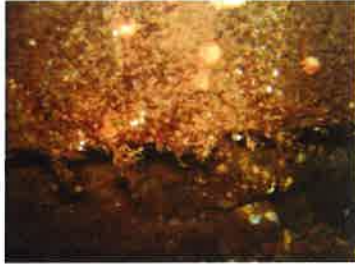
**Underwater Probes
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INTRODUCTION:

A diving crew was mobilized Port Saunders, NL. Sea-Force Diving obtained probes, timber & sediment samples as per call up #47. Sea-Force Diving was provided drawings with locations to reference by PWGSC representative Mr. Eddie Bearns.

SAMPLES/PROBES:

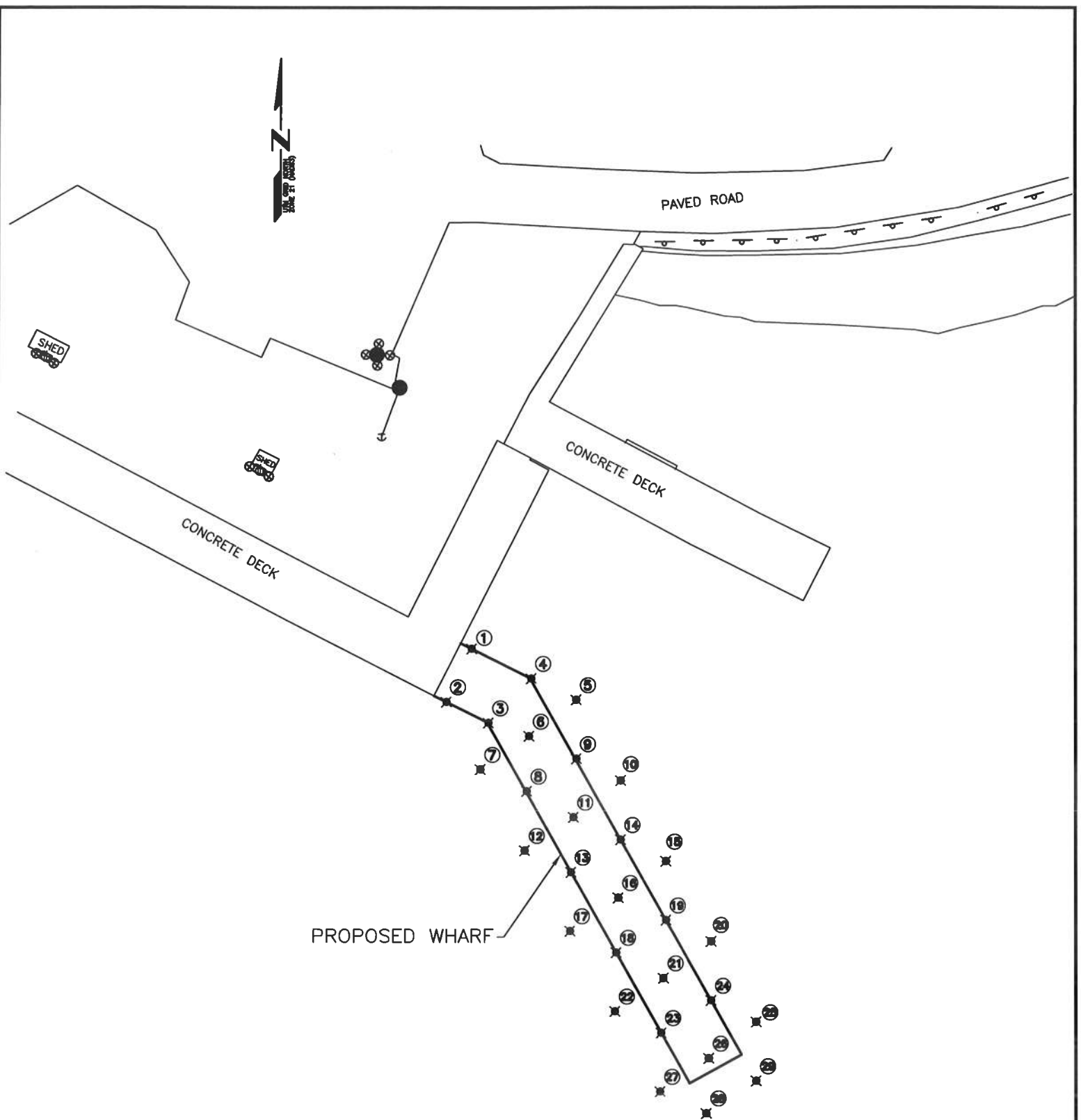
See attached drawings for probe results and type of seafloor in area for reference.

| Location | Sediment Samples | Timber samples | Probes |
|----------------------|---|---|--|
| Port Saunders | There is a total of five sediment samples taken at this location. All samples taken at locations identified on drawing supplied by PWGSC. Samples were collected at the top layer of the substrate. | The timber samples were taken at areas identified by PWGSC as per drawings provided. Samples were taken at from several areas i.e. longitudinal & fenders.  | See attached drawing for location of probes and found results. The diver used a 2000mm long X 15mm piece of rebar with a 2.5kg hammer. Any readings over 2000mm are noted as 2m+ on drawing. No pictures due to extremely poor visibility. |

All samples were given to Maxxam Analytics for analysis.

CONCLUSION:

If you have any further concerns regarding these probes and samples please contact Tony Breen by phone (709) 753-2021, cell phone (709) 728-2068 and by facsimile (709) 753-2035 or by e-mail tony@seaforcediving.com.



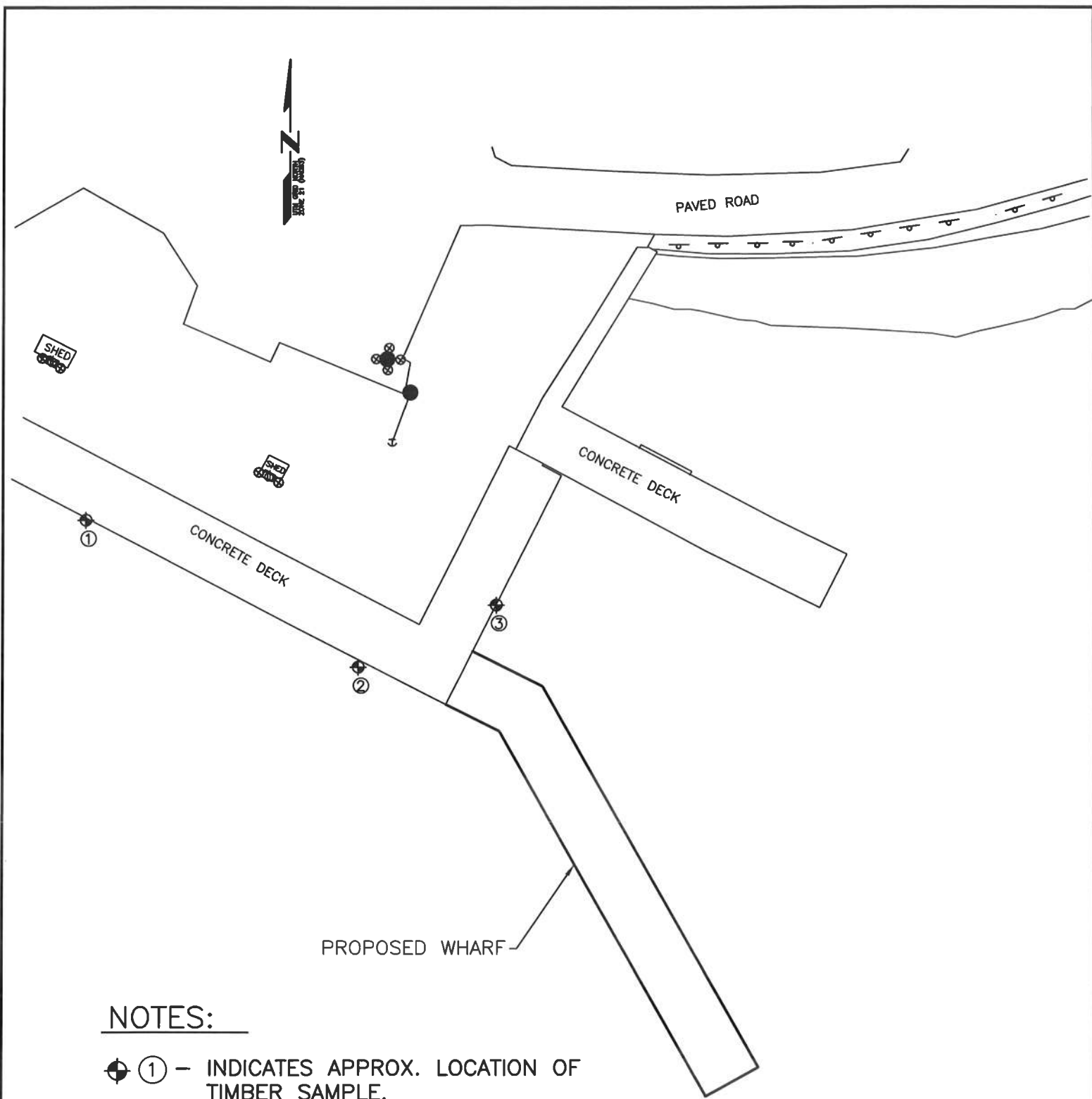
PROBE LOCATIONS AT PORT SAUNDERS, NL

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DECEMBER 2014

| PROBE # | PENETRATION | TYPE OF MATERIAL |
|---------|-------------|-----------------------------------|
| # 1 | 0.30m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 2 | 0.30m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 3 | 0.20m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 4 | 0.10m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 5 | 0.08m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 6 | 0.10m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 7 | 0.20m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 8 | 0.05m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 9 | 0.10m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 10 | 0.10m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 11 | 0.08m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 12 | 0.20m | SAND/SILT, MUDDY BOTTOM THEN HARD |
| # 13 | 0.10m | SAND/SILT BOTTOM THEN HARD |
| # 14 | 0.08m | SAND/SILT BOTTOM THEN HARD |
| # 15 | 0.20m | SAND/SILT BOTTOM THEN HARD |
| # 16 | 0.10m | SAND/SILT BOTTOM THEN HARD |
| # 17 | 0.10m | SAND/SILT BOTTOM THEN HARD |
| # 18 | 0.20m | SAND/SILT BOTTOM THEN HARD |
| # 19 | 0.15m | SAND/SILT BOTTOM THEN HARD |
| # 20 | 0.20m | SAND/SILT BOTTOM THEN HARD |
| # 21 | 0.10m | SAND/SILT BOTTOM THEN HARD |
| # 22 | 0.20m | SAND/SILT BOTTOM THEN HARD |
| # 23 | 0.20m | SAND/SILT BOTTOM THEN HARD |
| # 24 | 0.30m | SAND/SILT BOTTOM THEN HARD |
| # 25 | 0.30m | SAND/SILT BOTTOM THEN HARD |
| # 26 | 0.30m | SAND/SILT BOTTOM THEN HARD |
| # 27 | 0.20m | SAND/SILT BOTTOM THEN HARD |
| # 28 | 0.30m | SAND/SILT BOTTOM THEN HARD |
| # 29 | 0.30m | SAND/SILT BOTTOM THEN HARD |

NOTES:

- DIVERS USED 2m STEEL ROD & 5LB. HAMMER
- BOTTOM CONSIST OF SAND/SILT AND THEN ROCK MATERIAL.
- ✕ (45) – INDICATES APPROX. LOCATION OF PROBE AND NUMBER.



NOTES:

⊕ ① - INDICATES APPROX. LOCATION OF
TIMBER SAMPLE.

TIMBER SAMPLE LOCATIONS AT
PORT SAUNDERS, NL

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