

March 31, 2017

Fisheries and Oceans Canada

867 Lakeshore Road
Burlington, ON
L7S 1A1

Attn: Mr. Mike MacDiarmid, P.Eng, MBA

Re: Rondeau West Pier Rehabilitation. Project Number: FP802-140433/002/E. Subsurface Soil Conditions

Dear Mr. MacDiarmid,

A previously carried out geotechnical investigation by Golder Associates at the existing North Breakwater of the Fishermans' Basin, along with geological studies of Lake Erie, at Eriean, provide the following subsurface soil conditions at the location of the Rondeau West Pier. Also included are the approximate dry and submerged unit weights at each stratum. Please note that Datum at the location of work is 173.5 m.

- Elevation 172 m to 170 m: Very loose to loose sand
 - Dry unit weight: 1.6 Mg/m³
 - Submerged unit weight: 0.6 Mg/m³
- Elevation 170 m to 168 m: Firm peat
 - Dry unit weight: 0.2 Mg/m³
 - Submerged unit weight: Nil
- Elevation 168 m to 167 m: Loose sand
 - Dry unit weight: 1.7 Mg/m³
 - Submerged unit weight: 0.7 Mg/m³
- Elevation 167 m to 163 m: Stiff silty clay
 - Dry unit weight: 1.9 Mg/m³
 - Submerged unit weight: 0.9 Mg/m³
- Elevation 163 m to 160 m: Stiff silty clay
 - Dry unit weight: 2.0 Mg/m³
 - Submerged unit weight: 1.0 Mg/m³

Yours truly,
PLANMAC ENGINEERING INC.



Bob Maksymec, P. Eng