Appendix A – Borehole Logs

Order No. G232/228 Enclosure No. 1

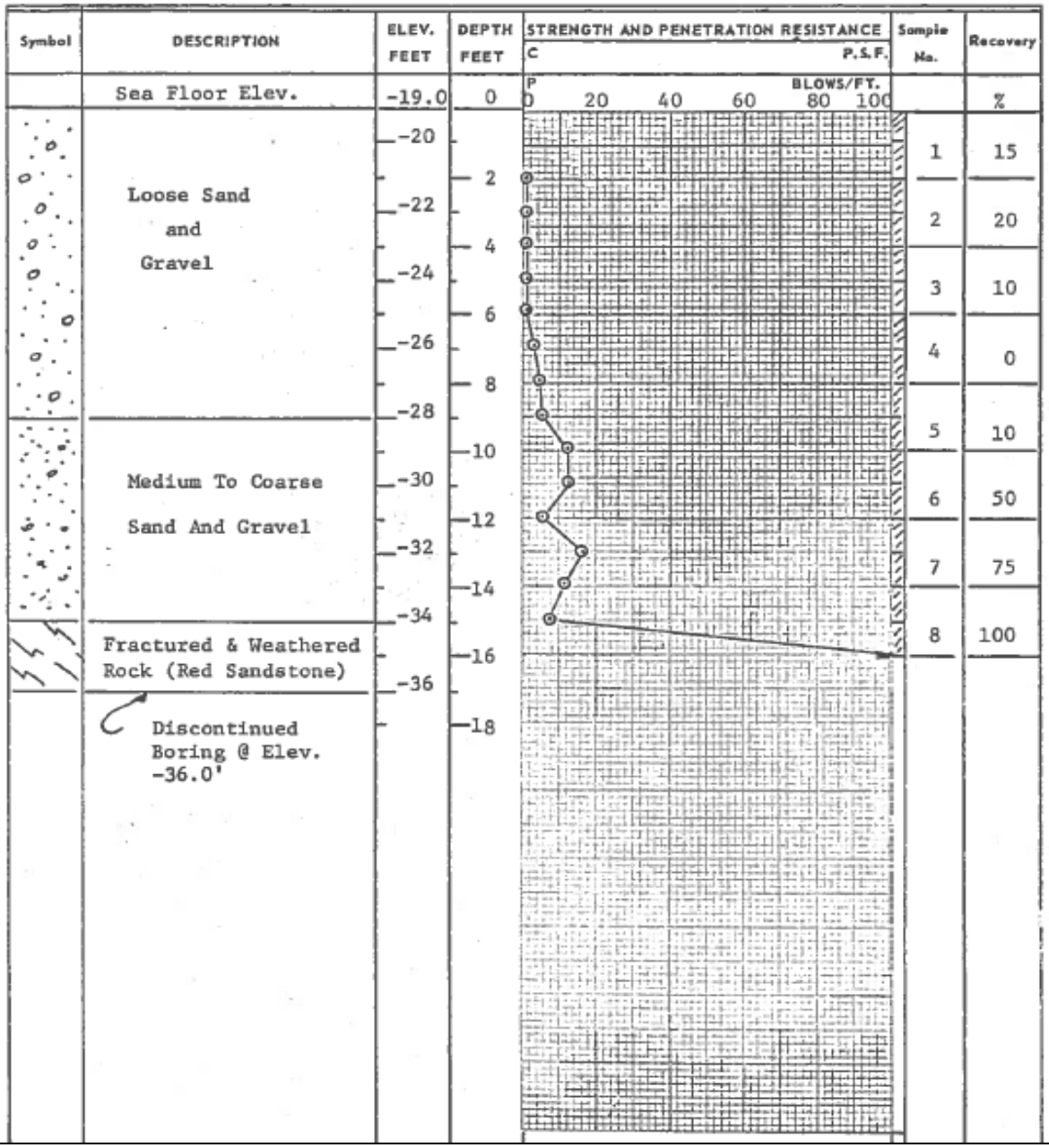
GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 1

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: -19.0
Start Date: 09/2/74 Prep.: K.P.
End Date: 12/2/74 Checked: N.B.

LEGEND
- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S)
Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing



Order No. G232/228 Enclosure No. 2

GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 2

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: -10.5
Start Date: 06/2/74 Prep.: K.P.
End Date: 07/2/74 Checked: N.B.

LEGEND

- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S)

Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing

Symbol	DESCRIPTION	ELEV. FEET	DEPTH FEET	STRENGTH AND PENETRATION RESISTANCE C P.S.F. P BLOWS/FT. 0 20 40 60 80 100	Sample No.	Recovery
	Sea Floor Elev.	-10.5	0			%
	Loose Sand And Gravel	-12	2			
		-14	4			
		-16	6			
	Fine Grey Sand	-18	8		1	62
	Gravel And Sand	-20	10			
		-22	12			
		-24	14			
	Fine Grey Sand Some Silt	-26	16		2	60
		-28	18			
	Medium To Coarse Green Sand	-30	20		3	50
	Weathered Red Sandstone	-32	22		A	15
	Sand Bedrock (Red Sandstone)	-34	24		X T	80
		-36	26			
	Discontinued Drilling @ Elev. -36.5'					

Order No. G232/228 Enclosure No. 3

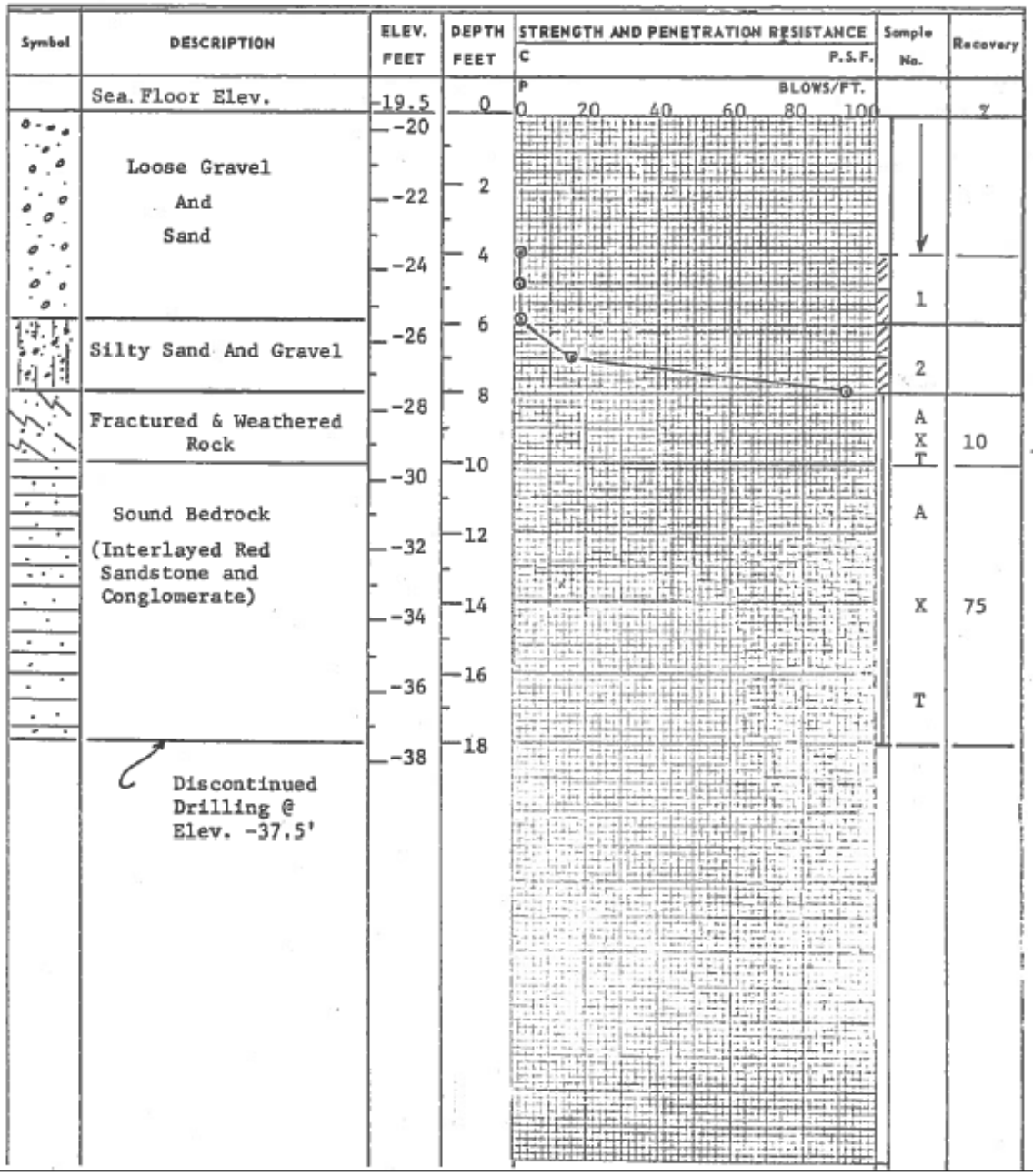
GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 3

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: -19.5
Start Date: 12/2/74 Prep.: K.P.
End Date: 13/2/74 Checked: N.B.

LEGEND
- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S)
Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing



Order No. G232/228 Enclosure No. 4

GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 4

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: -19.4
Start Date: 08/2/74 Prep.: K.P.
End Date: 09/2/74 Checked: N.B.

LEGEND

- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S) ⊕ S
Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing

Symbol	DESCRIPTION	ELEV. FEET	DEPTH FEET	STRENGTH AND PENETRATION RESISTANCE C P.S.F. / P BLOWS/FT. 0 20 40 60 80 100	Sample No.	Recovery %
	Sea Floor Elev.	-19.4	0			
	Loose Sand And Gravel	-20	2		1	10
		-22	4		2	25
		-24	6		3	25
	Red to Coarse Sand And Gravel	-26	8		4	50
	Fractured Rock	-28	10			
	Discontinued Boring @ Elev. -29.5'	-30				

Order No. G232/228 Enclosure No. 5

GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 5

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: 1.4
Start Date: 07/2/74 Prep.: K.P.
End Date: 08/2/74 Checked: N.B.

LEGEND

- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S)
Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing

Symbol	DESCRIPTION	ELEV. FEET	DEPTH FEET	STRENGTH AND PENETRATION RESISTANCE C P.S.F. / P BLOWS/FT. 0 20 40 60 80 100	Sample No.	Recovery
		1.4	0			%
	Loose Sand And Gravel	0	2			
		-2	4			
		-4	6			
	Medium To Coarse Brown Sand	-6	8		1	40
		-8	10			
		-10	12			
	Coarse, Grey Sand	-12	14		2	62
		-14	16			
	Coarse Sand And Fine Gravel	-16	18		3	75
		-18	20			
		-20	22			
	Coarse Sand And Some Gravel	-22	24		4	50
	Bedrock (Interlayed Highly Weathered Red Sand-stone and Conglomer-ate)	-24	26		A X T	20
		-26	28			
		-28				

Order No. G232/228 Enclosure No. 6

GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 5 cont'd.

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: 1.4
Start Date: 07/2/74 Prep.: K.P.
End Date: 08/2/74 Checked: N.B.

LEGEND

- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S) ⊕ +S

Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing

Symbol	DESCRIPTION	ELEV. FEET	DEPTH FEET	STRENGTH AND PENETRATION RESISTANCE C P.S.F. P BLOWS/FT. 0 20 40 60 80 100	Sample No.	Recovery %
		-28.6	30			
	Interlayed, Weathered Red Sandstone and Conglomerate	-30	32		A	
		-32	34		X	20
					T	
	Discontinued Drilling @ Elev. -33.6'	-34				

Order No. G232/228 Enclosure No. 7

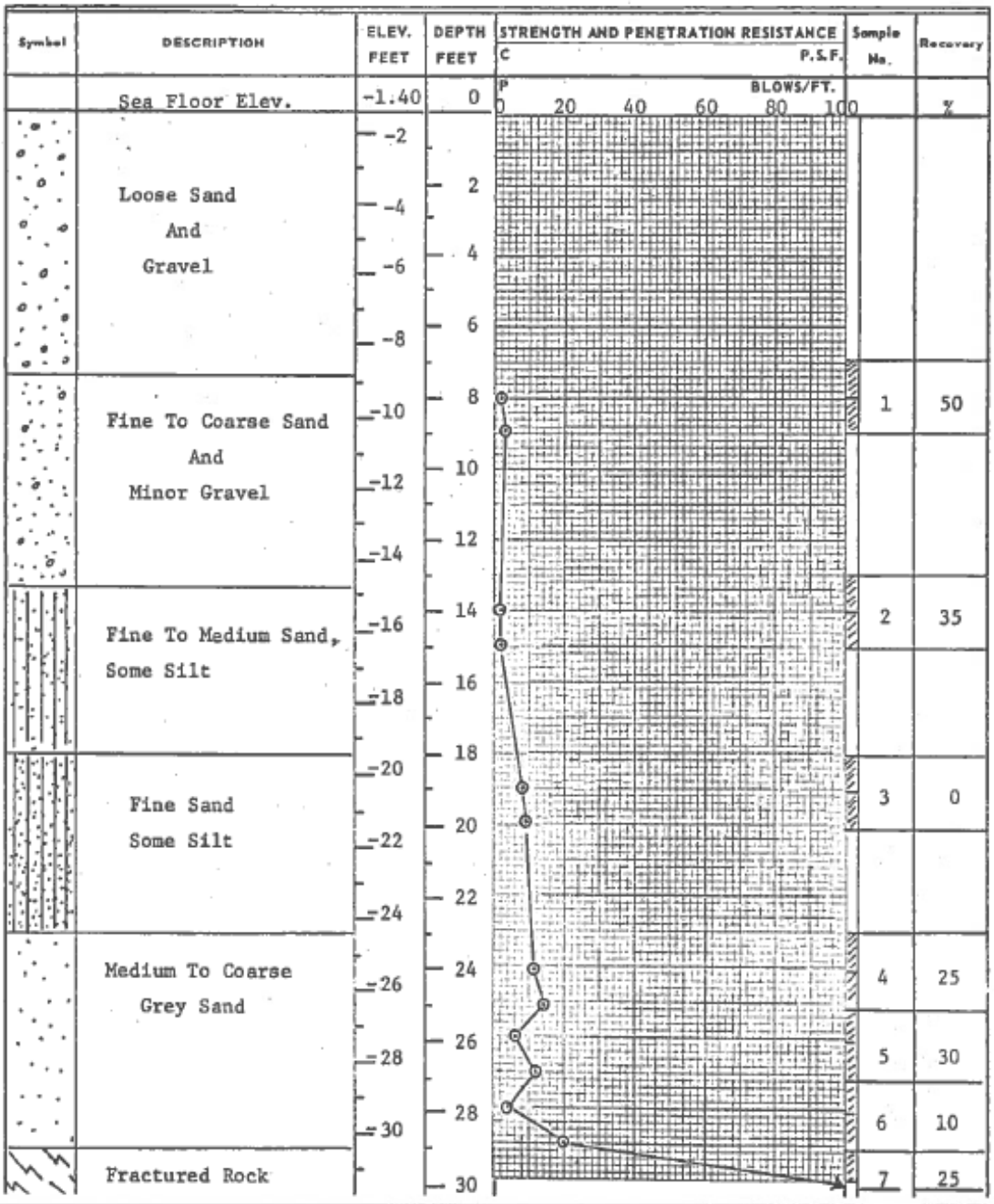
GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 6

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: -1.40
Start Date: 05/2/74 Prep.: K.P.
End Date: 06/2/74 Checked: N.B.

LEGEND
- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S)
Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing



Order No. G232/228 Enclosure No. 8

GEOTECHNICAL ASSOCIATES LTD.

Engineering Data Sheet for Borehole: 6 cont'd.

Project: Wharf Extension
Location: Terrenceville, Nfld.
Hole Location: As Shown On Map
Hole Elevation and Datum: -1.40
Start Date: 05/2/74 Prep.: K.P.
End Date: 06/2/74 Checked: N.B.

LEGEND

- Split spoon
- Wash sample
- Shelby Tube
- Core sample

Shear Strength (C)
Unconfined compression
Vane test and sensitivity (S)

Penetration Resistance (P)
2" Split tube
2" Dia. Cone
Casing

Symbol	DESCRIPTION	ELEV. FEET	DEPTH FEET	STRENGTH AND PENETRATION RESISTANCE C P.S.F. P BLOWS/FT. 0 20 40 60 80 100	Sample No.	Recovery
		-30.4	29.0			%
	Fractured Rock (Red Sandstone)	-32	30		A	10
	Sound Bedrock (Red Sandstone)	-34	32		X	
	Discontinued Drilling @ Elev. -35.4'	-36	34		T	75