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OM85-8-P-237

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NOVAMIN RESOURCES INC.

REPORT OF DIAMOND DRILLING

Foster Township

Espanola, Ontario

REPORT for ONTARIO MINERAL EXPLORATION
PROGRAM

NTS 41-I-4

A.W. Beecham
H.L. King
August 28, 1956



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INTRODUCTION

An ongoing programme of exploration at Fostung by Novamin Resources Inc. (and its predecessors and former joint venture partner, Union Carbide Corporation) has been in operation since 1979. The work done in 1986 in conjunction with the Ontario Mineral Exploration Program, OM85-8-P-237 consisted of 982.52 metres (3223.5 ft) of diamond drilling on the main low grade W-Mo-Cu skarn deposits known as the Fostung property. The results of the drilling are outlined in this report.

Property Description:

The holdings consist of 67 contiguous claims stretching from lot 11, Con. II to lot 2 Con. IV of Foster Township. See Fig. 1. All of the claims are held by Novamin Resources Inc. An application has been made to bring 30 claims to lease. The main group of claims were acquired by option agreements with Messrs T. Tamminen and W. Alanen and by staking by Union Carbide. These options have been exercised. Peripheral groups were added by Sulpetro (and predecessor St. Joseph Explorations) mainly by staking.

Location and Access:

Fostung lies 10 km east of the town of Espanola. Access is excellent. A good gravel road to the West Bay of Lake Panache runs the length of the property and passes within 200 metres of all the important showings. A branch from this road to Hannah and Stratton Lakes crosses the western part of the property from NW to SE.

Topography and Surficial Deposits:

The area is relatively rugged with abundant outcrop. Local relief exceeds 50 metres. A prominent topographic high known as Breccia Hill is located in the western part of the property. To the NE, Nipissing Diabase forms prominent rocky hills along the SE shore of Elizabeth Lake and between Elizabeth and August Lakes. There is a northeast grain due to formational trends, but this is modified by vallies due to faults in at least 3 different directions.

Thin, discontinuous till covers the lower areas and depressions. Some of this has been water-worked as evident from the local occurrence of gravel.

Previous Work:

Since the discovery of scheelite in 1966 by R.M. Ginn while exploring for Texas Gulf, the area has been explored intermittently by various mining companies including Texas Gulf, Cerro Corporation, Vangulf, St. Joseph Exploration, Union Carbide and the Joint Venture of Sulpetro and Union Carbide. The work consisted of prospecting, mapping, various geophysical surveys, soil geochemistry and 34 drill holes. This is described in more detail by Robinson (1979) and Scratch (1982).

Regional Geology:

The area is underlain by various formations of the Proterozoic, Aronian Supergroup. These formations in ascending stratigraphic order are the Mississagi quartzites, the Bruce conglomerates, the Espanola calcareous siltstones, quartzites and limestones and the Serpent quartzites. The Nipissing Diabase forms regional sheets which are mainly sill-like. The sediments and Nipissing Diabase are folded into NE-SW to E-W open folds. Three directions of faults, NE-SW, NW-SE and E-W disrupt the formations. Late diabase dykes cut the sediments and Nipissing Diabase.

The Fostung skarns are developed in what are believed to be the upper calcareous part of the Espanola Lower Siltstone Member, as described for Merritt Township by Card (1978). The skarns are located on the NW limb of the St. Leonard anticline (or the SE limb of the Elizabeth Lake syncline) adjacent to a prominent strike fault known as the St. Leonard fault in Card's work and at Fostung referred to as the Base Line Fault. The fault is characterized by the occurrence of quartz stockworks-breccias and locally by albitite bodies.

The skarning event has affected the 2150 m.y. Nipissing Diabase, but is cut by late diabase dykes. Contrary to Card's hypothesis, the skarns are not thought to be related to the nearby Nipissing Diabase sheet, but to an as yet undiscovered, buried felsic intrusive intermediate in age between the Nipissing Diabase and the late diabase, i.e. between 2150 and about 1400 m.y.

DIAMOND DRILLING

A drilling programme was started on 9th Feb. and completed on April 21, 1986. A total of 982.52 m (3223.5 ft) was drilled in 3 holes. The purpose was to locate and test the Espanola Limestone within the Fostung skarn system. Although appreciable tungsten concentrations were intersected and the geological picture was enhanced, the Espanola Limestone was not located and it is now inferred that it lies at much greater depths (700 m or deeper) than thought at the onset of drilling.

DH. 3115-29

3115-29, a vertical hole located on section 33E at 5 m north of the BL., was deepened from 152.4 to 582.4 m. It was thought that the Espanola Limestone here might lie as shallow as 250 to 300 m. However, a large amount of quartzites inter-bedded with the siltstones produced an unexpected thickening of the Greywacke Member, and although an estimated 250 m stratigraphic thickness of the member was cored, vs. 152 m at Brazil Lake, the attempt to reach the Limestone at this point was abandoned.

Appreciable scheelite is present here and there in calc-silicated quartzites and garnet skarn, but at a grade too low to be considered for underground mining, as listed below:

Summary Assays - 3115-29

From	To	Core Length (m)	% WO3
220.7	222.5	1.8	0.21
231.7	233.1	1.4	0.29
236.0	239.4	3.4	0.11
295.0	297.3	1.8	0.42
303.9	306.3	2.4	0.24
393.1	398.6	5.5	0.22
428.0	429.1	1.1	0.26
490.1	492.7	2.6	0.24
500.5	502.0	1.5	0.48
505.0	508.2	3.2	0.30
or			
490.1	508.2	18.1	0.17

DH. F-33-9 (Deepening)

The collar of F-33-9 is on section 52E at 364 m N of the BL. However, the hole deviated to more than 20° west of the section line to end at about section 46E (FT). Below the main calc-silicate section, the hole passed through hornfelsed siltstone and then interbedded siltstone and quartzite. The assemblage is similar to that in 3115-29 but with a higher proportion of siltstone. Significant scheelite is present in 2 garnet skarned horizons and a narrow pyrrhotite-rich skarn. A zone of quartz-molybdenite veins with minor muscovite granite dykes occurs within the interbedded siltstones and quartzites from 670 m to 822 m. Some molybdenite values are present.

A diabase dyke from 864.6 m to 906.7 m appears to mark the Base Line Fault (BLF). Calc-silicated rocks south of the dyke are interpreted as the faulted off-set of the main zone exposed at surface.

It is reasonably certain that F-33-9 narrowly over-shot the Espanola Limestone. The Limestone is indicated to lie at vertical depths greater than 700 m in this area.

Summary of Assays from F-33-9 (Deepening)

From	To	Core Length(m)	% WO3	%MO2	% Cu	Remarks
640.2	647.7	7.5	0.354			Garnet skarns
672.3	674.0	1.7		0.55		quartz vein zone.
719.0	722.5	3.0		0.118		Quartz-molybdenite veins.
730.7	736.3	5.6		0.091		" " " " "

From	To	Core Length(m)	% WO3	%MO2	% Cu	Remarks
740.1	742.9	2.8			0.115	dissem. po, py, cp in hornfels
754.3	757.2	2.9		0.166	0.067	quartz molybdenite veins and hornfels skarn
760.7	761.7	1.0	0.12		0.12	garnet skarn
768.5	794.6	26.1		0.075	0.027	quartz molybdenite veins
788.7	789.8	1.1	2.72		0.32	po-rich skarn
842.3	851.3	9.0	0.223		0.045	hornfels and calc-silicated
including						quartzite and garnet skarn.
842.3	846.2	3.9	0.424		0.077	

DH. 3115-30

A new hole was collared on Section 56E, planned to be eventually extended as a deep test for the Espanola Limestone. It was drilled only a short distance into the main calc-silicate zone and stopped when minimum budget requirements were met. Only low scheelite concentrations were encountered.

Assays are summarized as follows:

From	To	Core Length (m)	% WO3
112.0	113.0	1.0	0.21
123.1	124.7	1.6	0.12
132.3	133.7	1.4	0.11

CONCLUSIONS and RECOMMENDATIONS

This latest drilling has identified additional significant skarn-hosted tungsten mineralization within the Greywacke Member. However, the Espanola Limestone was not located and may lie at depths greater than 700m.

A wide zone of molybdenum porphyry type mineralization was cut in deepening hole F-33-9 indicating a granite related source for the mineralization occurs at depth.

It is recommended that hole 3115-30 be deepened to continue to locate the Espanola Limestone.

REFERENCES

- Beecham, A.W. (Dec. 1983) - Geological Mapping and Diamond Drilling, Fostung Joint Venture, Foster Twp., Report For Ontario Mineral Exploration Program; Sulpetro Minerals Limited.
- Card, K.D. (1976) - Geol. Espanola - White Fish Area, Dist. Sudbury Geosc. Rep. 131; Ont. Div. Mines.
- (1978) - Geol. Sudbury - Manitoulin Area; Dist. Sudbury & Manitoulin; Rep. 166; Ont. Geol. Survey.
- Robinson, Douglas (1979) - Assessment Report on Geological Work, Fostung Property, Foster Twp., Dist. Sudbury; St. Joseph Explorations.
- Scratch, R.B. (Jan. 1982) - Fostung J.V. Foster Twp; Report of Field Work for 1981; Sulpetro Minerals Limited.


NOVAMIN RESOURCES INC.

STATEMENT OF EXPENSES

RE FOSTUNG DIAMOND DRILLING
FOR PERIOD FEBRUARY 1 TO MAY 31, 1986

Analytical Costs	\$ 3,929.75
Bulldozer	127.50
Diamond Drilling	82,102.76
Equipment Rental	1,950.00
Food & Lodging	2,956.45
Gas and Oil & Travel	895.39
Miscellaneous	1,013.60
Salaries	20,077.55
Telephone	<u>807.22</u>
	<u>\$113,860.22</u>

I certify that, to the best of my knowledge and belief, the above figures are true and correct.


Graeme M. Gordon, CMA
Vice President Finance

METRES		SECTION	DESCRIPTION	ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH
			Structure: Nearly massive; Strong fracture zone at 20° from 187.3-187.7 with calcite, chlorite & some sericite(?).				
			Veins: 187 - minor calc-qtz Py-Cp at 15° 187.4 - 5 mm calc-chl Po tr Scheel. 187.9 - 3 mm qtz-calc-sph, + Scheel.				
			Mineralization: See 'veins'; Minor Po in qtz & qtz-calcite veinlets; tr Scheel. at 186.7 m.				
			Remarks: 186.9-188.1 med green calc-silicate bearing sediment.				
192.9	193.8		DARK GREEN CALC-SILICATE (D.C.S.) Scattered small qtz grains in feldspar + calc-silicate matrix (greywacke), weakly magnetic Structure: Massive Veins: 193.3 - 5 mm qtz-calc. minor purple fluorite vein at 40°. Mineralization: fine diss'd Po.				
193.8	211.3		GREY FELDSPATHIC QUARTZITE WITH LIGHT GREEN CALC-SILICATE (L.C.S.) Med. f.g. meta-qtz-f.sp. sandstone: Med grey to light grey where bleached & silicified. Weakly calcareous (calc-silicated) from 193.8-195 m. Structure: Thin bedded in top few metres. Most is fairly massive or thick-bedded. Bedding: 195 m - 20°; 201 - 40°; 206 - 30°; 208 - 28°. Structure (cont'd): Broken core, fractured zone, with prominent fractures at 10° & 35°, from 202.5-204.2. Alteration: A little fracture controlled bleaching & silicification. Veins: Minor light grey qtz & qtz-calc. veinlets. 194.3 - 1 cm grey qtz minor calc 10%; Po 10°.				

METRES		SECTION	DESCRIPTION					ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	EST	ASSAYS	GEOCHEM.	ANALYSES	
							% WO ₃	% WO ₃	ppm Mo	ppm Cu	ppm P	
			Mineralization: 1/2 - 2% diss'd Po with minor Py & tr Cp here & there. Scattered grains black (non-magnetic) mod. hardness metallic at 216.4 (not Mt. & does not look like wolframite.	4412	214.3	215	0.7	nil	0.11	5	300	0.5
			Minor scheelite diss'd & in small q.v. from 214.4 - 214.8m.	4413	215.0	216	1.0	tr	.004	2	74	0.5
				4414	216.0	216.5	0.5	nil	nil	1	210	0.5
217.1	220.5		BLACK ARGILLITE (DARK CALC-SILICATE). MINOR CALCAREOUS FELDSPATHIC QUARTZITE Very fine grained, moderate-hardness, black to dark green - could be fine calc-silicates minerals. Completely non-calcareous except for sandy beds. Structure: bedding at bottom 25-40°.									
			Mineralization: tr Po here & there & 1-2% diss'd Po in 2 X 10 cm beds of weakly calc-sil'd calc quartzite at 219.7 & 220 m. Bed at 219.7 has tr Scheel.									
220.5	221.7		SKARNED (?) CALCAREOUS QUARTZITE & DARK & PALE CALC-SILICATES 220.5-220.7 - typical 'wormy' structured, dark green & pale green C.-S. 220.7-221.7 - strongly calcareous qtz-f.sp. sandstone with minor pale calc-silicates.									
			Mineralization: Diss'n & streaks Po up to 8%/10 cm 4% overall; 1-2% Sph over 10 cm with best Po; discent diss'n blue fluor. scheelite.	4415	220.2	220.7	0.5	nil	nil	5	140	<0.5
				4416	220.7	221.8	1.1	.4	.26	5	770	2.5
				4417	221.8	222.5	0.7	.4	.13	3	320	1.0
221.7	224.2		ARGILLITE (D-C.S.) + SKARNED CALCAREOUS QUARTZITE Dark grey-green-black mod. hardness; fine grained. 222 - 5 cm layer pale green calc-silicate 222.1-222.4 - grey, mottled (skarned?) calcareous quartzite. 222.5-223 - beds calc-cil'd calc-qtzite up to 15 cm.	Avg.	220.7	222.5	1.8		0.21		595	
			Structure: Well bedded at 30°.									
			Mineralization: 1-3% diss'd Po, minor Py concentrating up to 8% Po/10 cm. Mod. diss'n Scheel. 222.1-222.4.									
224.2	225.4		SKARNED CALCAREOUS QUARTZITE As above; light grey speckled - finely mottled, qtz-rich, only a few % Calc; light grey mineral giving speckled appearance may be feldspar or tremolite?	4418	222.5	224	1.5	nil	.004	3	130	0.5

METRES		SECTION	DESCRIPTION				ASSAYS					
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	EST % WO ₃	ASSAYS % WO ₃	GEOCHEM. ppm Mo	ANALYSES ppm Cu	ppm P
			Veins: Minor light grey qtz veins with Po & pale green selvage.									
			Mineralization: 1-3% diss'd Po, minor Py & tr Cp; mod. to fair diss'n Scheel.	4419	224.0	225.5	1.5	0.1	.038	1	340	1.0
225.4	226.2		ARGILLITE (D-C.S.) Structure: Well bedded at 30°.									
			Mineralization: Scattered streaks, blebs of Po.	4508	225.5	227.0	1.5		nil	4	99	<0.5
226.2	231.3		GREY FELDSPATHIC QUARTZITE + CALCAREOUS QUARTZITE Mod. to light grey fine sand size.									
			Structure: Mostly thick bedded - Well bedded sections at 35 - 45°.									
			Mineralization: tr Py-Po in grey qtzite; 1-3% Py-Po in calc-silicated calcareous quartzite 226.2-226.5 and 230.8-231.2. Minor diss'd Scheel. 230.8-231.2. Qtz veinlets at 231.1 with Po minor Sph. & tr Cp.	4509	227.0	228.5	1.5		nil	2	40	<0.5
				4510	228.5	229.5	1.0		nil	2	33	<0.5
				4511	229.5	230.8	1.3		nil	2	41	<0.5
				4420	230.8	231.7	0.9	.05	.048	3	500	1.0
231.3	231.7		ARGILLITE D-C.S. As above. Minor Po.									
231.7	232.5		GARNET SKARN About 60% light grey calc-sil'd calcareous qtzite & 40% pale red garnet-rich streaks & layers.									
			Mineralization: Well min'd. with 2-8% sulphides. Mainly Po-Py with sph. & minor Cp. Mod. strong diss'd Scheel & 5mm q.v. at 231.8 with 50% Scheel.	4421	231.7	232.5	0.8	0.6	.440	3	800	3
232.5	235.9		MASSIVE ARGILLITE (D-C.S.) Fine grained black on cored surface to dark green on fractured surface.	4422	232.5	233.1	0.6	tr	.088	3	100	<0.5
			Structure: Nearly unbedded; weak cleavage on bedding at 33°.	Avg.	231.7	233.1	1.4		.29		500	

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO							EST %	ASSAYS	GEOCHEM.		ANALYSES
								WO ₃	% WO ₃	ppm Mo	ppm Cu	ppm
239.5	244.8		ARGILLITE (D.C.S.) + SKARNED CALC. QUARTZITES Argillites as above. Skarned Qtzites: Mottled grey & light to med. green, locally med. - c.g. - Some good c.g. Px-Amph Ak. at 242.2 but generally qtz & f.sp. rich. Sk'd Qtz as follows: 241.8-242.2; 242.7-243.1; 243.7-244 m. Structure: Argillites massive - thickly bedded; thin bedded in places: 241m - 25°; 244m - 20°. Mineralization: Argillites contain tr - up to 1% veinlets & diss'n Py-Po & isolated tr Cp. Sk'd Qtzite: contain 2 up to 10% over 30 cm (at 242.8) Po-Py & minor Cp & moderate diss'n of Scheel.	4512	239.9	241.8	1.9		nil	3	63	<0.5
				4428	241.8	243.3	1.5	.07	.038	3	640	.5
				4429	243.3	244.3	1.0	.03	nil	4	310	<0.5
244.8	248.2		LIGHT GREY ALTERED QUARTZITE Fine grained sand size sediment, feldspathic, but qtz dominant. Structure: Massive thick bedded; crackled-incipient bx'n with calc-sil(?) & minor sulph. in matrix. Alteration: Pervasive sil'n. Veins: 245.2 - 1.5 cm pearly grey qtz with up to 4mm massive Py + Po, tr Scheel. Mineralization: 244.9-245.15 - Calc-sil'd rock with 5-8% Py-Po (Py Po), a little Cp & minor scheelite. Elsewhere minor Po streaks & blebs & diss Py, tr Scheel with Py-Po at 247.7 Remarks: 244.9-245.15 - Calc-Sil'd quartzite (with Py, Po, Cp, Scheel)	AVG.	241.8	-245.3	3.5		nil	nil	491	nil
				4430	244.3	245.3	1.0	tr	nil	5	450	<0.5
				4431	247.3	248.3	1.0	tr	nil	2	180	2
248.2	249.3		DARK CALC-SILICATE (SKARN) Dark grey, med. grained - looks like mafic dyke. Structure: Massive, uniform, Cts. 60 & 75°. Mineralization: 6-10% 'impregnation' Po & weak diss'n Scheel.	4432	248.3	249.3	1.0		0.036	2	1600	1.0

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO							EST %	ASSAYS	GEOCHEM.		ANALYSES
								WO ₃	% WO ₃	ppm Mo	ppm Cu	ppm Zn
			Alteration: Light colour probably due to bleaching & silicification 271.6-272.1 - weak development pale green calc-silicates. See 'Remarks'.									
			Mineralization: tr Py & Po; tr Scheel at 268 m; tr Scheel. in calc-sil'd section at 272 m.									
			Remarks: 270.5-271.1 - Med. grey protoqtzite. Thin bedded with mafic partings - possibly a little fine biotite?.									
272.1	279.0		SILTSTONE (D.C.S.) - GREYWACKE WITH LIGHT GREY QUARTZITE & CALC-SILICATED QUARTZITE As above. 272.1-272.3, siltstone - D.C.S. 272.8-273, 1m light grey (altered) quartzite. 273.1-274.8, Sst - Gwk 274.8-275.4, light grey + pale green calc. silicate rock. 275.4-279, protoquartzite + minor light grey & calc-sil'd Qtzite.									
			Structure: Massive to thin bedded; bedding 274 - 15°; 277 - 40°									
			Alteration: Strong sil'n (light grey section). Minor calc-sil. development.									
			Veins: 272.2 - 2 cm grey mottled qtz - minor Po at 75°.									
			Mineralization: Minor conc. diss'd Py in light grey & calc-sil'd Qtzite; 273 - 3% Py tr Cp/10 cm.									
279.0	283.2		LIGHT GREY (ALTERED) QUARTZITE + CALC-SIL'D QUARTZITE As above; med to fine qtz-f.sp. sandstone section 282.5-283; strongly calc-sil'd, slightly calcareous quartzite.									
			Structure: 282.5 bedding 27° - Mostly massive, poorly bedded. Bottom 20 cm 'crackled' & re-cemented.									
			Alteration & Veins: 281 - 3 cm q.v. with 1 cm pale green calc sil'd & calcitic selvage. Calcite associated with vein. 282.4 - tr Fluorite	4434	282.2	283.3	1.1	.06	.006	3	260	<0.5

METRES		SECTION	DESCRIPTION					ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	EST %	ASSAYS	GEOCHEM.	ANALYSES	
400.1	423.8		<p>GREY FELDSPATHIC QUARTZITE</p> <p>Med. - dark grey fine grained fsp-qtzt - protoquartzite.</p> <p>In places nearly greywacke.</p> <p>Structure: Massive, uniform to distinctively thin bedded with 5 mm beds separated by thin dark layer; some x-bedding.</p> <p>Bedding at: 403 - 12°; 406 - 0°; 410 - 0°; 412.5 - 09°.</p> <p>Alteration & Veins: Mineralization light grey sil'd sections from 2 cm upwards affect about 5% of rock e.g. 404.2-405.2. A little f.g. brown biotite (?) in thin, dark beds. Minor light grey qtz veinlets. Minor Po-Py-Fluorite stockwork of 1-3 mm veinlets over 4 or 5 cm at 403.7.</p> <p>406.1 - 4 cm, 2-phase grey q.v. with a little muscovite, Po, Py & minor Scheel in selvage.</p> <p>417.5 - 1 cm grey qtz, minor Po, 1-2 cm selvage of pale green calc-silicates? (or sericite?)</p> <p>421.5-423.8 - Veins mottled blue-grey qtz up to 1 cm nearly parallel to core with minor Po & Moly selvage & minor Fluorite. Veins have irregular light grey sil'n. up to 3 cm into wallrock.</p> <p>Mineralization: See 'veins', tr diss'd Scheel at 401.1 & 409.9, tr Py-Po here & there as diss'n & veinlets</p>					WO ₃	% WO ₃	ppm Mo	ppm Cu	ppm Ag
				4464	400.1	401.2	1.1	tr	.018	6	96	<0.5
				4466	421	422.5	1.5	nil	nil	57	24	<0.5
				4467	422.5	424.0	1.5	nil	nil	61	40	<0.5
423.8	425.4		<p>LIGHT GREY CALC-SILICATED FELDSPATHIC QUARTZITE</p> <p>As above, pale grey & pale green, mottled; weakly calc-silicated??</p> <p>Veins & Mineralization: 424.3 - 5 mm light grey qtz, minor Po, tr Cp 05° to core</p> <p>424.7 - tr Scheel with grey qtz veinlets & Po at 80°</p> <p>425 - lean diss'n Scheel with calc-silicates</p> <p>Minor Po - tr Cp, diss'n & scattered grains.</p>									
				4468	424	425.5	1.5	tr	nil	18	180	0.5
425.4	428.2		<p>GREY FELDSPATHIC QUARTZITE</p> <p>As above.</p> <p>Veins: 427.5 - 1 cm mottled, blue-grey qtz, tr Po; 45°</p> <p>428.2 - 10 cm vein zone - 50% blue grey mottled qtz - with 5 mm - 2 cm light brown sil'd selvage (some of selvage chert-like), minor Po, a little Cp & 15% Scheel over 3 cm as veinlets & med - coarse grains</p>									
				4469	428.0	429.1	1.1	.08	.260	19	390	1.5

METRES		SECTION	DESCRIPTION	ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH
			- Area around collar is soft muskeg & it might be difficult to drill here if ground not frozen.				
			<u>GENERAL COMMENTS</u>				
			Argillites-D.C.S. - here distinctively different from Calcareous Siltstone - D.C.S. seen in holes cutting Calcareous Siltstone Member. They are more argillite-like with much less light calcareous silt beds & bedding is thicker & unit generally appear more massive.				
			Scheelite - mainly in grey, mottled calcareous feldspathic quartzite beds rather than garnet skarns.				
			Rocks only partly calc-silicated with abundant calcite remaining (Calcite could be a later pervasive alteration of permiable beds)				
			Most scheelite is blue fluorescent (i.e. is scheelite, not molybdoscheelite) & almost no molydenite present. Sphalerite is common with diss'd scheelite & in quartz veins. Py in place Po (compared to dominant Po in F-33-10 zone). This suggests some broad mineral zoning. Sulphide content of these siliceous skarns generally greater than (garnet skarns) F-33-10 Zone - can reach 10%				
			Generally skarn development, silicic-alteration less pervasive than in holes 22, 23 above or F-33-10 zone & controlled by fracturing & permiable calcareous sandstone beds.				
			Fluorite generally in small qtz & quartz-calcite veins more common than in F-33-10 zone.				
			Garnet Skarns - developed mainly in calcareous quartzites - garnets are pale red brown typical of peripheral low grade mineralization.				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	EST. %	ASSAY	GEOCHEM. ANALYSES		
FROM	TO									%	ppm	ppm
633.0	640.3		PALE GREEN MASSIVE CALC-SILICATE massive - pale green hard; non-magnetic Dark grey black mineral - appears to be banded at 45° to core from 634.8 to 636.0m (10-20% wormy remnants of dark green calc-silicates) Structure: massive to thin banded at 42-52° Mineralization: scheelite: trace at 634.0, 634.3, 634.4, 635.5						WO ₃	Mo	Cu	Ag
640.3	647.4		GARNET SKARN Light grey - green - pink, orange - reg brown medium-f.g., blotchy - magnetic as follows: strong from 644.0-644.8; 645.74-646.2; moderate from 646.4-647.4 - strong 'fizz' with acid in calcite filled fractures - section is 'hard' except for section as follows: Assemblages appear to be qtz-px-garnet qtz-px-garnet, qtz-px-garnet - plagioclase and/or vesuvianite - pale yellow to colourless long prismatic crystals - vesuvianite, ? topaz or cassiterite from 642-642.6m amphibole - feldspar as 644-644.6; some f.g garnet - dark amphibole +/- qtz? Dark mottling due to amphibole and/or dark (heden bergite) Px Structure: Core angle about 60° - section with garnet is generally uniform in texture - veining is minute and consists of small qtz stringers Mineralization: Overall average of scheelite in section is 14% - it is disseminated and size ranges from 4mm to very fine - flouresent colour is yellow and blue - the blue being more predominant - strongest mineralized zones as follows: 643.7-644.2; 644.9-646.0; 646.4-647.0	4555	639.2	640.2	1.0	nil	0.004	1	4	< 0.5
				4556	640.2	641.7	1.5	.2	.170	15	94	.5
				4557	641.7	643.2	1.5	.25	.280	25	220	1.0
				4558	643.2	644.7	1.5	.35	.520	17	790	4.0
				4559	644.7	646.2	1.5	.5	.540	20	2500	6.5
				4560	646.2	647.7	1.5	.2	.260	90	580	1.0
				AVG	640.2	647.7	7.5m		0.354	(0.0056	616	
			Estimated The above units contain from 10 to 30% scheelite The remainder of the section contains between 1 & 5% scheelite Sulphide mineralization is predominantly pyrrhotite - see magnetic as follows: - po up to 30%; cpy with po - 2%; py-diss in upper part of section							%MoS ₂)		

METRES		SECTION	DESCRIPTION				EST.	ASSAY	GEOCHEM. ANALYSES			
FROM	TO			SAMPLE NO.	FROM	TO			LENGTH	%	%	ppm
							WO ₃	WO ₃	Mo	Cu	Ag	
			Alteration: Small pods pale green sericite & small books grey muscovite near botton Ct									
			Mineralization: Scattered grains Py; tr Moly at bottom Ct.									
672.5	674.0		QUARTZ VEIN Similar to vein at 670: light grey and dark blue - grey mottled approx. 5% sheaves & selvages of grey muscovite. A little light green sericite									
			Mineralization: 1-3% coarse Moly with musc. especially at contacts Minor scattered grains of Py tr Cp; tr scheel at 673.3	4565	672.3	674	1.7	tr	nil	3300	200	.5
									(0.55% MoS ₂)			
674.0	681		LIGHT GREY FELDSPATHIC QUARTZITE Light grey fine to medium sand size Finely speckled with white feldspar									
			Alteration: Top metre has fine sheeted, bleached fractures (sil'n) & in fine grained; unit bleached; weak development fine muscovite									
			Structure: 1.6m lost core between 674.5 & 677.6 Broken core at top contact									
			Veins: 678.3 - 3cm mottled light grey tr Py, 2cm musc selvage with minor moly - 45°									
			Mineralization: 677.5 minor 'sooty' moly (?) or graphite + Py on slip tr Py as scattered grains, diss?									
681	686.2		DARK GREY FELDSPATHIC QUARTZITE WITH LIGHT GREY FELDSPATHIC QUARTZITE 60-75% med grained dark grey pro to quartzite - gwk with light grey (bleached) sections									
			Structure: Most is massive; rare banding (bedding?) at 55-60°									
			Alteration: Minor musc in light sections a small scattered flecker									
			Veins: 681.64-682.16 - true thickness about 35cm white and dark grey mottled qtz with minor Py tr Asp & isolated tr Bi. Ctr at 40° & 50°	4566	681.6	683	1.4	nil	nil	81	180	<0.5

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	EST.	ASSAY	GEOCHEM. ANALYSES				
FROM	TO									%	%	ppm	ppm	ppm
								WO ₃	WO ₃	Mo	Sn	Cu	Ag	
			682.8 - 6-8cm mottled light and dark grey qtz with 2cm bleb Po minor Cp and musc - selvage with a little Moly - 45°											
			684.3 - 9cm light grey mottled qtz minor Py 7 weak musc selvage 55°											
			Mineralization: See veins: tr Py as scattered euhedra tr Moly on strips at 683.5 & 685.6m											
686.2	687.8		SPOTTED HORNFELS (Altered Siltstone) Dark grey fine - med. grained rock with both dark grey and light grey 4-8mm spots; qtz-feldspar rich with fine muscovite & fine biotite or chlorite? Minor beds light grey f'sp quartzite											
			Structure: Well bedded - banded at 65-70°; Section broken core;											
			Mineralization: tr Py in qtz veinlets											
687.8	689.5		LIGHT, DARK GREY FELDSPATHIC QUARTZITE As above 674-686.2											
			Structure: well fractured with broken core											
689.5	695.8		DIABASE DYKE Massive dark grey med grained speckled with 1-2mm light grey, feldspar clusters. Strongly magnetic											
			Structure: 20cm parallel dyke (included in section) or qtzite inclusions at top contact - Ct at 70-45° fractured & chlonitic - sharp & chilled lower Ct chitled at about 45°											
695.8	698.8		LIGHT GREY FELDSPATHIC QUARTZITE + GREYWACKE As above Gwk beds 698.8-697.9 (Gwk has qtz sand with interstitial qtz feldspar, some mafic minerals)											
			Veins: 696.3-13cm mottled white & grey qtz, minor musc-flecks & pale green ser. selvages 60°											
			695.9 - 2-3cm grey mottled qtz with Py chl tr Moly - 45°											
			Mineralization: 696.8-697.2 - 8% diss'n & veinlets of Py + a little Moly - with musc & some qtz veinlets (obscured because of broken core)	4567	695.8	697.2	1.4	nil	nil	700	25	660	0.5	
										(0.117				
										%MoS ₂)				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	EST	ASSAY	GEOCHEM. ANALYSES				
FROM	TO									%	%	ppm	ppm	ppm
698.8	700.4		HORNFELS - (ALTERED SILTSTONE) Dark grey, uniform, weakly spotted in placed only moderate hardness - probably f'sp which are major constituent are altered; chlontic - possibly some biotite, minor fine muscovite Structure: weak to moderate schistosity at 60-75°						%	%	ppm	ppm	ppm	ppm
									WO	WO	Mo	Sn	Cu	Ag
700.4	704.9		ALTERED LIGHT GREY FELDSPATHIC QUARTZITE As above Structure: Mostly massive. Local banding at 50° Alteration & Veins: 15% of unit pale green due to sericite spreading out from fractures & qtz veins; Wide selvages of light grey - pale brown mica (muscovite) a long q.v. and some fractures affect 5-10% of unit											
			700.6 - 1-2cm white mottled q.v. tr Moly Py, 45°	4568	700.4	701.9	1.5	nil	nil	74	5	120	4.5	
			701.2 - qtz-musc veinlet minor Moly	4569	701.9	703.4	1.5	"	nil	25	5	5	5	56
			701.4-701.6 - white qtz veinlets, green sericite, selvages tr Moly	4570	703.4	704.9	1.5	tr		140	5	130	4.5	2
			701.9 - qtz veinlet tr Asp											
			702.3 - 2-4mm nearly solid Asp with minor qtz at 20°											
			702.9 - 1cm white qtz - musc - selvage, minor Py tr Wolframite?20°											
			703.1 - 11cm white qtz + 3cm musc selvage at 65°											
			704 - 2cm qtz pale green ser., thin Moly partings tr Schiel; 50°											
			Mineralization: See veins; Minor diss'n of Py here and there											
704.9	706.1		QUARTZ VEIN - 'GREISSEN' ZONE White & med grey mottled qtz veins up to 20cm make up 1/2 of unit; approx. 20% light grey qtzite. Remainder wide muscovite vein selvages & masses within veins; Pale green sericite well developed as vein selvages near upper Ct Structure: Upper Ct a fracture at 5-10°, elsewhere veins at 40-70° Mineralization: Py 2-3% blebs scattered enhedra, & diss'n in qtzite; Minor Cp with Py tr Asp intergrown with Py at 705.3 & in q.v. at bottom; 1/2-1% Moly on selvages of q.v. slips and with Cp; tr scheel at 705.0											
				4571	704.9	706.3	1.4			460	20	630	.5	37
										(0.077%				
										MoS ₂)				

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	GEOCHEM ANALYSES	
FROM	TO							ppm Mo	ppm Cu
			719.9 - 16cm mottled grey qtz with seams & partings Moly in bx'd zone at 60°	4580	719.5	721	1.5	220	85
			721.1 - 10cm mottled grey qtz; 1-4mm Moly Selvages 70°	4581	721	722.5	1.5	1200	180
			721.5-721.85 - banded vein zone light grey qtz + musc & pale green sericite; a few % Py & partings & dess & Moly - 40°						
			722.5 - 1cm qtz-Py + Moly films - 50°	Avg.	719.5	722.5	3.0	(0.118%	
			Mineralization: See veins: Minor conc'n Py					MoS ₂)	
			720-720.3 - films Moly in matrix of angular bx						
			Minor to tr Moly here & there throughout unit with qtz veinlets & films on fractures						
			Remarks: 712.25-712.53 - diabase dyke chilled contacts at 65° magnetic						
723.1	725.5		FELDSPATHIC QUARTZITE + SPOTTED HORNFELS						
			About half & half dark grey, light grey m-f.g. sand size						
			Sections of spotted muscovite bearing hornfels 5 to 30 cm making up 10% of unit						
			Structure: bedding 70-75°; short sections of broken core						
			Alteration: some bleaching sil'n above fractures: a little musc. in hornfels & qtz veinlet selvages						
			Veins: 725m - 4cm white qtz minor musc., Py, Po, Cp, Moly; 75°						
			Mineralization: Minor parting Moly at 723.4 tr Py diss'n rim qtz veinlets;						
725.5	727.2		HORNFELS - ALTERED SILTSTONE - ARGILLITE						
			As above; 30cm grey f.sp qtzite at 726m; Grades to dark grey f.sp qtzite in placed						
			Alteration: Weak musc. spotting here & there						
			Veins: 726.6 - 10cm pale green ser'd f.sp with grey qtz, minor musc. *Moly parting at bottom 50-70°						
			Mineralization: 726.9 - 1% scheel with diss'd Po over 5cm in calcitic section						

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	GEOCHEM. ANALYSES		
FROM	TO							ppm Mo	ppm Cu	ppm Ag
			Structure: Mostly massive; hornfels banded (bedded) at 43° at 733m; mod-frac'd;							
			Alteration: Pale green pervasive & fracture-controlled sericite 734.6-735.3m; fine biotite? in hornfels							
			Mineralization: tr Py as scattered subes							
735.3	736.2		QUARTZ VEINS + FELDSPATHIC QUARTZITE 50% mottled blue grey qtz largest vn 20cm at bottom with blebs Py a little Cp & 3-5mm selvage of Moly. Moly in veins from 735.6-736.2; 5% Py as clusters of cubes in quartz over 50cm in middle, musc. selvages, qtzite sericitized	4585	735.2	736.3	1.1	2000	500	31
				AVG.	730.7	736.3	5.6m	(0.091% MoS ₂)		
736.2	740.4		I/B GREYWACKE, HORNFELS - ARGILLITE & LIGHT GREY FELDSPATHIC QUARTZITE 736.2-736.8 - argillite - spotted hornfels 736.8-737.2 - gwk + hornfels 737.2-737.6 - light grey feldspar qtzite bleached, sil'd 737.6-738.4 - gwk 50% affected by pale green sericite alt'n; 738.4-740.1 - dark green gwk with short sections of hornfels 740.2-740.4 - thin bedded gwk with 30% heavy Po Py minor Cp with 2cm solid Po-Cp at 740.3							
			Structure: bedding 737 - 45°; 740 - 45°; Flame structure at bottom Ct							
			Veins: Minor qv here & there with a little Po & Cp 739.3 - 10cm light grey qtz. tr Py 40° 740 - 5cm grey qtz - calc minor chl 45°							
			Mineralization: see above; tr scheel in 2cm solid Po-Cp at 740.3 yellow fluor. min in qv at 739.6m							
740.4	743.0		SPOTTED HORNFELS - ARGILLITE Fine grained dark green - black, relatively soft Structure: bedded in places and weak cleavage at 60-65° Alteration: Dark brown colour in places indicates fine biotite; About 1/2 unit with 5mm light grey musc. bearing spots; A few sections flecked with fine muscovite							

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	EST	ASSAY	GEOCHEM. ANALYSES									
FROM	TO									% WO ₃	% WO ₃	ppm Mo	ppm Sn	ppm Cu	ppm Ag	ppm Au			
			Mineralization: 3% diss'n & 1-8mm cubes Py scattered grains Asp. & tr Cp																
756.5	757.0		QUARTZ VEIN light - dark grey mottled; abundant musc. layers & selvages 3-5% Py streaks, diss'n & large blebs, scattered Asp well min'd with Moly - with partings & streaks up to 2-3mm thick EST'd grade 0.5% Mo	4589	755.7	757.2	1.5	tr.	-	1900	15	360	<.5	63					
				AVG.	754.3	759.2	2.9			(.166		(0.067							
757.0	759		LIGHT GREY FELDSPATHIC QUARTZITE, MINOR HORNFELS Dark grey mottling due to sulphides & very minor mafics (may be some calc-silicates present?); 757.1-757.4 hornfels Structure: Mostly massive, thin bedding at 758m at 54° Mineralization: 1/2-2% diss'd Py + subord Po tr scheel - 758.2																
759	763		HORNFELS WITH FELDSPATHIC QUARTZITE, MINOR GARNET SKARN Uniform to spotted dark green 759.7-760 - impure feldspar quartzite 761-761.3 - sil amph Sk-impure feldspar atrite 761.3-761.5 - garnet skarn 761.5-761.8 - impure feldspar quartzite Structure: banded - bedded to massive bedding 48° at 761 Mineralization: 1-3% diss Po-Py with quartzite + skarn sections noted above; scheel with Po, but more restrictive, with mod diss'n 759.7-760; at 761.1 & from 761.3-761.6m	4590	759.7	760.7	1.0	.04	0.080	40		230	<0.5	-					
				4591	760.7	761.7	1.0	.07	0.120	38		1200	<0.5	-					
763	774.5		LIGHT GREY FELDSPATHIC QUARTZITE WITH HORNFELS As above; Med grey mottling Uniform to spotted hornfels as follows: 763.9-764.2; 764.9-765.3; 769.7-770; 770.5-770.8; 772.2-772.3; Structure: Unit moderately to strongly fractured & cemented with qtz. - fractures every 1-5cm; some sections broken core especially toward bottom; Banding at 764 - 56°; 771 - 50°; 772 - 60° Alteration: a little pervasive pale green sericites in top 1m + at 770.4m; Musc. as q.v. selvages, in hornfels sections & speckled thru rock here & there: Light grey colour - bleaching & weak silicification.	AVG.	759.7	761.7	2.0		0.10			715							

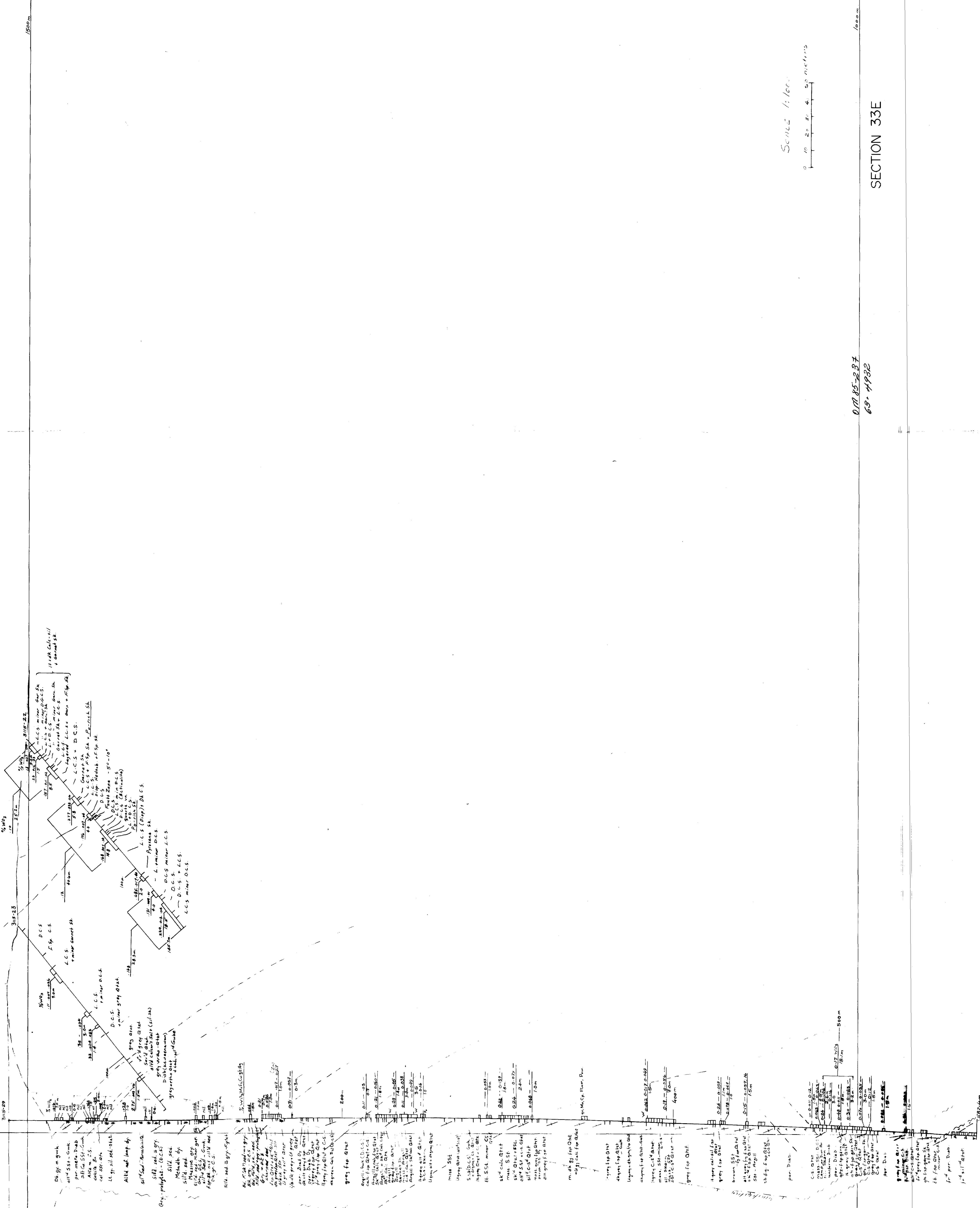
METRES		SECTION	DESCRIPTION				EST	ASSAY	GEOCHEM. ANALYSES			
FROM	TO			SAMPLE NO.	FROM	TO			LENGTH	% WO ₃	% WO ₃	ppm Mo
779.3	780.2		QUARTZ VEIN 60% mottled light and dark grey with pale green sericitized quartzite, a little coarse muscovite minor calcite, 2-4% blebs Po 1-2% Moly as diss'n & partings up to 2 or 3 mm, minor Py, tr Cp	4598	779.0	780.5	1.5			1000	730	
780.2	780.8		LIGHT GREY FELDSPAR QUARTZITE As above tr Py & tr Moly on slip at 780.5									
780.8	782.5		SPOTTED HORNFELS + DARK AND LIGHT GREY FELDSPAR QUARTZITE As above: unit about 30% qtz-gwk Both biotite & musc. present Structure: bedding - cleavage at 40° Veins: 781.3 - 10cm dark grey & light grey mottled qtz incl. 2-3cm pale grey ser'd selvages 10% Po blebs 50°	4599	780.5	782	1.5			48	100	
782.5	786.9		LIGHT GREY & DARK GREY FELDSPAR QUARTZITE 60% light grey to pale green feldspathic quartzite 40% dark grey biotite feldspar quartzite for gwke 784 - 10cm spotted hirnfels Structure: Most is thin bedded at 35° Alteration & Veins: Light gnye sections appear to be bleched & altered equivalent of dark grey section - flecked with pale green sericite, numerous small grey qtz veinlets in some sections A little musc. as flecks here & there Light grey to white conformable qv with Moly diss'n & selvages minor Po here & there + isolated tr black metallic (illmenite?) with layer veins as follows: 10cm at 782.5; 5cm at 782.8; 2cm at 783.6, stockwork 784.4-784.7; 784.8 - 15cm grey mottle qtz vein with minor musc, sericite, Po & 1-2% Moly - 40° 785.5-785.7 - 5mm-1cm grey q.v. with Moly selvages minor Po tr Cp 783.3 - 1cm q.v. with selvaged pale green columnar minerals;	4600	782.0	783.5	1.5	nil	nil	630	78	<0.5
			Mineralization: See Veins: Qtz veins with 1-2% Moly spaced at 8mm to 30cm from 782.5-786.1	4601	783.5	785	1.5	nil	nil	260	91	<0.5
				4602	785.0	786.5	1.5	nil	nil	640	150	<0.5
				AVG.	768.5	786.5	18.0			(0.076 % MoS ₂)		

METRES		SECTION	DESCRIPTION					ASSAYS	
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	ppm	ppm
			Veins: Minor grey & grey mottled qtz-musc. veins & veinlets with minor Py, Po & tr to minor Moly. at 809.9, 811-811.4 & 812-812.2.	4608	811	812.3	1.3	Mo 320	Cu 78
			Mineralization: See 'Veins', minor diss'n & veinlets of Py.					(0.053% MoS ₂)	
812.4	815.9		SPOTTED BIOTITE MUSCOVITE HORNFELS & FELDSPATHIC QUARTZITE As above, bottom 0.5 m, grades in gwk. 813.1 - 813.6 weakly calcareous, calc-silicated(?) or alt'd (f.sp.) feldspathic quartzite.						
			Structure: bedding 45-60°; more arenaceous sections moderately fractured. 815 - 815.7 broken core due to fracture parallel to core.						
			Mineralization: quartzite from 813.1 - 813.6 contains 2-3% diss'd minor Po and discont weak diss'n schiel & tr Mo. tr diss schiel. with Py at 814.4 & with 5 mm q.v. at 814.9; 815 - tr Mo on 'slip'.						
815.9	822.8		ALTERED LIGHT GREY FELDSPATHIC QUARTZITE As above; Minor spotted (hornfelsed) gwk 816.5 - 817.1.						
			Structure: Moderately to poorly fractured with calcite cement.						
			Alteration & Veins: Light parts, speckled due to mod. pale green ser'n of feldspar; fine musc. flecks throughout 817.9 - 818.5 qtz musc. veining (q.v. up to 2 cm) with minor Po, Py & tr Moly; tr Cn; incl. 5cm musc. rock;	4609	818	819.5	1.5	140	67
			819-822.4 - 3m-1cm qtz minor Py, Moly veins - spaced 15-30cm	4610	819.5	821	1.5	270	48
			819.4 - 1cm grey q.v. tr Asp	4611	821	822.5	1.5	170	45
			816.2-816.4 - qtz veinlets up to 1cm with abundant Py in wall rock, musc. & tr scheel;	AVG.	818	822.5	4.5	(0.032% MoS ₂)	
			Remarks: 819.8-820 - pale green very hard weakly f.sp phyric felsite dyke;						
822.8	833.8		HORNFELSED GREYWACKE Minor Light Grey Feldspathic Quartzite Medium grey with vague light grey spotting & mottling due to aggregates of fine muscovite; qtz (sand) grains surrounded by qtz-feldspar biotite & muscovite. Short biotite rich sections are probably hornfelsed siltstone - argillite; Sections light grey - pale green quartzite as follows: 824.2-825.2; 830.1-830.5						

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	EST-%	ASSAY%	GEOCHEM. ANALYSES		
FROM	TO									%	ppm	ppm
67.0	83.0		GREY, THIN-BEDDED FELDSPATHIC QUARTZITE WITH CALC-SILICATED QUARTZITE As above flecked with fine pale calc-silicates incl. small tremolite rosettes + alt feldspars; Sections of more strongly calc-silicated quartzites which are blotchy pale and with green-grey wormy alteration, probably developed in more calcareous beds as follows: 69.4-69.9; 73.4-73.6; 76.3-76.5; 76.9-77.3; 78-78.7; 81.6-82.5; Unit very weakly calcareous, especially in calc-silicated sections; Structure: Thin bedding; 68m-60°; 70m-50°; 75.51m-50°; 80m-60° Veins: Minor light grey qtz with a little Py +/- Po tr Cp 79.6-1cm blebby vein white qtz, calc. & minor coarse flourite Mineralization: (see veins); scheelite here & there as minor weak dissem. in qtz partings and veinlets: 67.9 - tr dissem. scheel over 10cm; 70.7 - ½ tr dissem. scheel over 10cm 77-78.7: A few concentrations of scheelite up to .5%/10cm dissem in calc-silicated layers Minor - tr Py & Po with scheelite dissem.	4635	77.0	78.6	1.6	0.5	0.034	2	260	0.5
83.0	91.2		MASSIVE GREY FELDSPATHIC QUARTZITE, CALC-SILICATED QUARTZITE 83-84.5 - feldspathic quartzite with 30% bleached - calc-silicated sections 84.5-87.8 - feldspathic quartzite weakly speckled with pale calc-silicates 87.8-91.2 - dark grey protoquartzite - greywacke with varying amounts dark green fine calc-silicates in matrix Structure: Moderately fractured; mostly unbedded or thick bedded Bedding angle at 88m-55° Veins: 86.4-87.8 - 10% stockwerk of 1-2cm milky white q.v. at various core angles 40° - 135° to 0° Py & Po - in minor amounts to 15% of veins + tr, Cp & scheel from 96.7-97.2m 89.6-1cm grey qtz minor Py, Po, scheel 90.4-90.5 - Two 5mm q.v. with 15% Po & dissem Po in wall rock Mineralization: See veins; Weak to mod. dissem. scheel with minor Py & Po at 84m & 86-87.6: (most of scheel in qtz stockwerk is dissem in calc-silicated rock). 90.6 minor scheel dissem over 10cm	4636	86	87.5	1.5	.08	0.044	10	580	1.0

METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	EST %	ASSAY	GEOCHEM. ANALYSES				
FROM	TO									%	ppm	ppm	ppm	
91.2	104.3		DARK GREEN WITH PALE GREEN CALC-SILICATE dark phase, 90-95% pale phase 5-10%; Dark phase consists mainly of dark grey to dark green medium-fine grained rock composed of qtz, feldspar and 10-over 50% light to dark green calc-silicate including small rosettes of tremolite. Light phase is pale green to grey f.g. qtz feldspar rich with pale calc-silicate minerals (Diopside?) Pale green forms wormy masses and layers in dark green material; Pale green material moderately calcareous Structure: layering, at 55-62° Mineralization: Minor dissem Py & Po here & there Isolated occurrences of scheel here & there. Better concentrations as follows: 97.6-98.2 tr scheel 98.7 ½%/10cm 98.9-99.2 fract. nearly parallel to core with films of scheel Remarks: Beds of fine grained chocolate brown biotite hornfels 3cm at 99.5 and 15cm at 99.7						WO ₃	WO ₃	Mo	Cu	Ag	
104.3	117.5		MIXED PALE GREEN & DARK GREEN CALC-SILICATES with ACTINOLITE SKARN As previous unit except about 50:50 pale and dark phases; Structure: banding & bedding at 45° at top, 60° at 114m; Only weakly to moderately fractured Mineralization: Very minor Py, Po 105.9-106.4 tr dissem scheel in coarse Act. skarn 112.3-112.8 medium grained dissem; scheel - mod. to strong Veins: 115-116.7 - 5mm to 1cm grey qtz. calcite minor Py & isolated scheel grains - red brown chert-like selvage - vein parallel to core. Remarks: layers and wisps medium-coarse grained actinolite skarn mainly between dark and light phases; 105.8-106.4 banded actinolite skarn & pale green - grey calc-silicate;	4637	112	113	1.0	0.2	0.210	12	220	2.0		

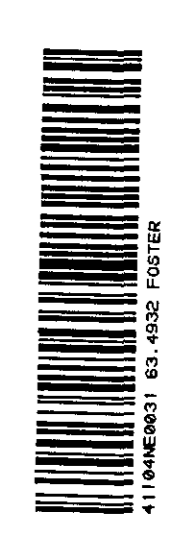
METRES		SECTION	DESCRIPTION				EST %	ASSAY	GEOCHEM. ANALYSES			
FROM	TO			SAMPLE NO.	FROM	TO			LENGTH	%	ppm	ppm
117.5	123		PALE GREEN CALC-SILICATE with DARK GREEN CALC-SILICATE 75% light grey to pale green qtz-feldsp. rich fine grained rock. White quartzo-feldspathic streaks; mottled streaked with pale green calc-sil; Minor actinolite skarn between dark and light phases. Dark green varies from dark grey quartz-feldsp rich siltstone - protoquartzite with minor calc-sil. to fine dark green rock; some fracture controlled dark minerals - (actinolite?) Structure: banding at 60°; Mineralization: 122.4-122.7 tr fract.-controlled scheel; Remarks: 121.8-122.15 f.g. chocolate brown biotite hornfels									
				4638	122.4	123.1	0.7	tr	.066	99	140	2.0
123	125.9		PALE GREEN CALC-SILICATE WITH GARNET SKARN & MINOR DARK GREEN CALC-SILICATE Similar to previous unit except wisps scattered clusters & bands pale, red garnet make up 10-20% of unit; Section mod-strongly calcareous Structure: banding 65° Mineralization: Weak to strong disseminations med-f.g. scheel with Po mainly with garnet skarn; Best conc. Po & scheelite 2% and 1% resp. from 123.2-123.7; 124.5-124.65 scheel-sph minor Po in pale red skarn layer.									
				4639	123.1	124.7	1.6	0.2	.120	38	85	1.5
				4640	124.7	126.0	1.3	0.03	.012	5	46	1.0
125.9	127.2		SILTSTONE WITH PALE GREEN CALC-SILICATE As above. Siltstone is dark green-qtz-f.sp.rich silt to fine f.sp'c protoquartzite Mineralization: Minor Po veinlets & dissem. ½% scheel/1cm at 127.1m;									
				4641	126.0	127.0	1.0	nil	nil	52	160	<0.5
127.2	127.8		WHITE SPECKLED CALC-SILICATE Distinct light grey f.g. qtz-feldspar matrix with 10-30%, 0.5 to 1mm light spots - diopside or wollastonite. Spots weakly calcareous. Top 10cm strongly calcareous - May be as useful marker; Bedding angles 55° Mineralization: tr scheelite at top Ct									
				4642	127.0	128.0	1.0	tr	.012	12	51	1.0

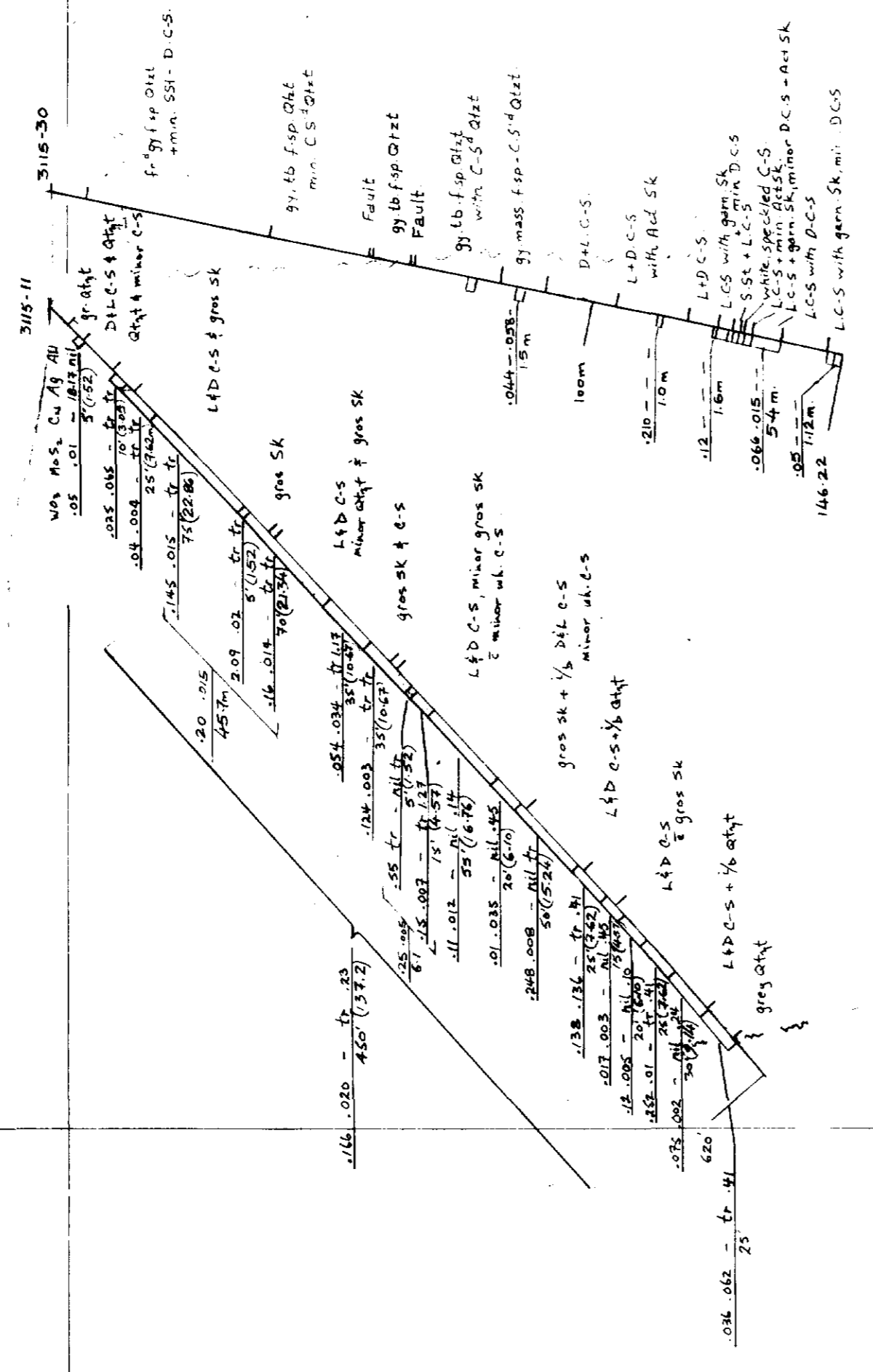


Scale 1:1000
0 2 4 meters

0.0145-287
63-4932

SECTION 33E





1500 m

0285-237

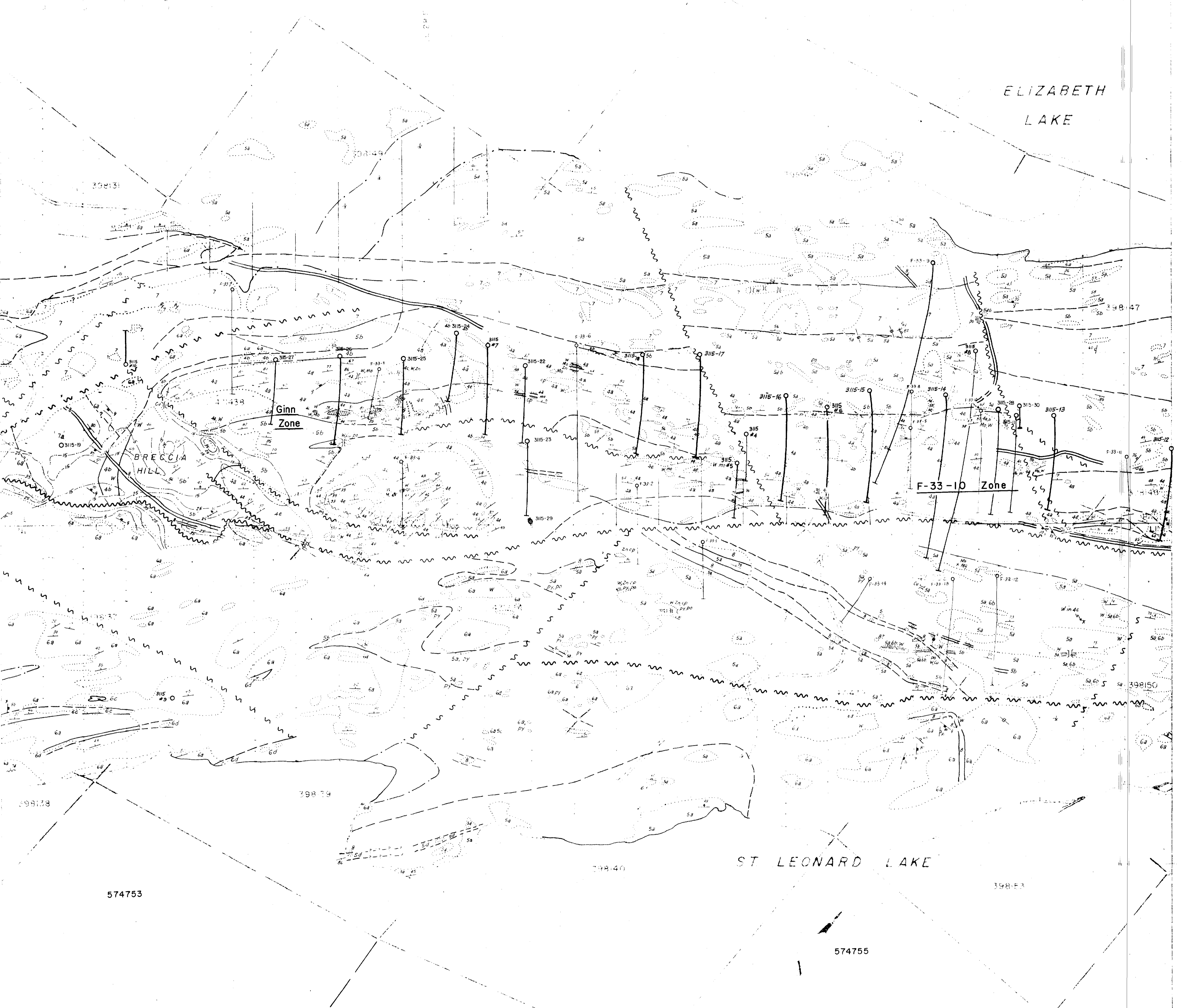
63-4-1982

SECTION 56E



220

ELIZABETH LAKE



ST LEONARD LAKE

574753

574755

1986 DRILLING: Deepen holes F-33-9 and 3115-29
Drill hole No. 3115-30

574754

FOR LEGEND SEE SHEET 3

DDH INFORMATION UPDATED 25/11/83
28/08/86

ST. LEONARD OPERATIONS LIMITED

EXISTING PROJECT

ELIZABETH LAKE, ONT

LOCATION OF 1986 DRILLING

