09110D

DD-11

59.9997
131.6133

DIAMOND DRILL RECORD - LOGTUNG

Hole Number LT 77 5

Co-ordinates 330W
260N

Collar Elevation 1552 M.

Total Depth 737' 223.4M.

Depth Casing 9.2 M

Depth Overburden 6 M.

Core Size NQ

Bearing at Collar 120°

Dip at Collar -70°

Commenced Drilling Aug 17/77

Completed Drilling Aug 25/77

Section

Logged By W. Vor Dev Pell

Drilling Contractor E.Caron Diamond Drilling

SURVEY SUMMARY

Depth	Dip	Bearing	Method
Collar	-70	120°	Compass
584'	-72°	198°	Single shot Sperry Sun

PERTINENT ASSAY DATA

Interval		WO_3 %
6 - 223.4	217.4M	.092% WO_3 .036% MoS_2
128 - 146	18M	.146% WO_3 .103% MoS_2
70 - 148	78M	0.13% WO_3 .055% MoS_2

PERTINENT GEOLOGY

Interval	Rock Type or Structure

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LOGTUNG PROJECT

D.D.H. LT-77- 5
SHEET 1 OF 7

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER PIECES	VEINS	Mo Vns	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	total Mo		QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.	dissem MoS_2
2																									
4																									
6																									
8	HO			28	15		50	.03/.055	55193	.03	.02	.038	.040		5	5	3	–			.8	–	.1	–	
10				20	31		60	x	194	.01	.04	.072	.075	x	9	1	3	–			1.2	3vn	1.5	–	tr
12	Ø			28	23		70		195	.03	.02	.015	.016		5	5	3	–			.3	2vn	tr	–	–
14				13	12		100		196	.01	.02	.015	.016		4	1	2	–			.3	–	–	.1	tr
16	grnke			24	17		100		197	.02	.02	.016	.018		–	5	2	–			.3	7vn	–	–	–
18				14	25		100		198	.02	.01	.038	.038		5	0	5	1			.3	6vn	–	–	–
20				9	55		100	x	199	.03	.04	.045	.048	x	6	2	5	–			.7	15vn	–	–	tr
22	HO			8	70		100		55200	.03	.06	.020	.021		2	2	5	–			.3	6vn	.3	–	–
24			==	55	40		100		201	.03	.04	.023	.026		5	1	6	–			[illegible]	1vn	tr	–	
26				120	15		60		202	.02	.09	.018	.018		3	0	6	–			.3	2vn	tr	–	–
28			==	35	20		60		203	.02	.09	.017	.020		5	0	8				[illegible]	1vn	tr	–	tr
30	60% HO 40% CT	30		25	25		100	x	204	.03	.06	.018	.020	x	4	1	6				.1	3vn	[illegible]	–	–
32				24	55		100		205	.05	.02	.008	.010		2	2	9				.1	2vn	.4	–	–

NOTES

0-6 No Core

6-9 mid grey HO, F.g. [illegible] 1mm white [illegible]

9-14.5 light grey QMP [illegible] contact [illegible] to C.A. qtz phenos 1-5mm. 15%, [illegible] at contact

14.5-28.5 Grey HO [illegible] 14.5-17.0 a [illegible] ¼" [illegible] qtz [illegible] C.A. [illegible] of py [illegible] [illegible] bleached [illegible] MoS2. 15.4-16 crackle zone cemented [illegible]. HO is very massive, no bedding seen.

28.5-36.3 Interbanded grey HO, F.g. garnet [illegible] lt. sk. Garnet bands 1mm - 2cm wide. LT. SK up to 20cm [illegible] bands are [illegible] garnet ⊥ to CA. At 32.5-2cm band marble. [illegible] S.W [illegible] LT. SK or bleached rims. [illegible] 60 HO/40 SK

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SHEET 2 OF ____

Depth (m)	Lith.	Bedding	Faults	No. of pieces	Veins	Mo Vns	% Rec.	Assay intercepts	Sample No. and interval	Est. WO_3	% WO_3	% MoS_2	Total Mo		Qtz.	Sch.	Powel.	Fluor.			% Mode W Vein	Diss. (length cm)	Py	MoS_2	Garnet	Fluor.	diss Mos.		
34	HG	77		9	20		100		55206	.05	.08	.015	.015		12	4	6	–			100	–	.7	1VN	2.5	–	–		
36	LT	C-S		12	43		100		207	[illegible]	.07	.013	.013		5	3		–			100	–	.2	4VN	1.8	–	–	tr chalcd	–
38	Ho			9	80		90		208	.10	.04	.012	.012		8	2	7	–			100	–	.4	4VN	2.0	–	–	tr chalcd	
40	LT	75	==	40	60		100	X	209	.15	.06	.021	.021	X	6	6	11	–			100	–	.2	7VN	3.0	–	–		
42	LT thin beds			9	37		100		210	[illegible]	.07	.011	.015		9	2	[illegible]	–			100	–	.1	3VN	2.4	–	–		
44	HO	60		31	35		100		211	[illegible]	.07	.018	.021		5	5	35	–			[illegible]	–	tr	5VN	1.6	–	–		–
46				18	22		100		212	.15	.03	.015	.015		5	3	12	–			100	–	.4	2VN	2.0	–	–		
48	LT	45		9	34		100		213	.10	.11	.015	.015		5	2	13	–			100	–	tr	5m	1.6	–	–		
50				9	34		100	X	214	.10	.10	.023	.023	X	10	2	20	–			100	–	tr	5VN	1.8	–	–		
52				6	32		100		215	.10	.07	.007	.007		7	2	12	–			100	–	.1	2VN	2.6	–	–		
54	HO, LT	55		14	42		100		216	.02	.02	.013	.013		2	1	6	–			100	–	.5	2VN	.5	–	–		
56	CS, DK CS	55		14	24		100		217	.2	.02	.018	.028		1	0	17	1			50	15cm 50	tr	–	1.0	tr	tr		
58	DK gar, LT			10	17		100		218	.3	.21	.098	.112		–	0	12	–			10	60cm 90	.1	2VN	15.0	–	.3		
60	DK gar			14	13		100	X	219	.4	.13	.050	.065	X	1	0	25	–			10	60cm 90	–	6VN	30.0	–	.1		
62	HO, DK gar	75		11	15		100		55220	.6	.22	.017	.027		–	2	–	–			1	100cm 99	tr	2VN	10.0	–	tr		
	HO, LT			21	33		100		221	.2	.02	.017	.018		3	2	9	–			90	2cm 10	.2	9VN	2.0	–	–		

NOTES

36.3–36.5 – White C.S. cut by ¼" gar. vns.
36.5–39.0 – Grey HO with 15% LT SK + 10% gar bands
39.0 – 40.4 – LT SK cut by numerous gar. vns.
40.4 – 44.0 – Thinly banded Lt green SK + C.S. Bands of white C.S. 3-4 mm. wide. Highly contorted 40.4 to 41.2.
44.0 – 44.4 – Lt. green banded SK.
44.4 – 44.7 – DK grey HO.
44.7 – 52.5 – Interbanded Lt. green SK, med green SK + white C.S. bands fr. 2-10mm wide. X-cutting qtz + gar vns. Contorted bedding 49.4 – 52.
52.5 – 53.6 Interbanded HO + LT SK ~ 70 HO 30 LT SK
53.6 – 54.6 Interbanded + contorted LT SK + white C.S. + ~5% grey HO.
54.6 – 55.5 Contorted white C.S. (80%), with brown spots + bands of vesuvianite, interbanded with dark Px-gar SK. (20%)
55.5 – 55.65 M.g. gar. px SK with ~2% diss. Pow + tr Sch. grain size of pow. 0.5 to 1.0 mm.
55.65 – 56.4 Banded white C.S. banded caused by concentrations of vesuvianite?, several narrow bands red garnet.
56.4 – 57.8 DK, gar. Px SK grain size [illegible] ~ .5mm. ~70% gar 30% Px. Weak [illegible]. 56.4 – 57.0 ~1-2% diss. Pow. + tr. Sch. Minor diss. MoS_2. 57.0 – 57.8 2cm. cal. qtz vn. ~ // C.A.
57.8 – 58.5 White to lt green C.S. → LT SK, aphanitic
58.5 – 60.9 DK gar-px SK, irregular bands + streaks of gar. make up ~40% of rx. Tr. diss. MoS_2. 59.7 – 60.7 Diss Pow + S.W. of very F.g. Pow.
60.9 – 61.5 Grey aphan. HO ~ 40% bleached lt. green by vns.
61.5 – 62.5 DK gar. Px. SK., ~30% gar. From 61.6 – 62.0 diss. Pow.
62.5 – 63.8 Grey aphanitic HO, 63.1 to 63.4 crackle zone cemented by calcite.

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SHEET 3 OF ____

1:200 Graphic log (depth 64–96 m): Lith.: LT; LT+CS; DK; LT; LT; HO; LT; Ø; LT; HO; LT+DK; LT; Ø; DK; Ø; 50 HO 40 LT 10 DK; DK; LT. Bedding: 45; DK; 80.

Assay intercepts: 70 - 148M = 78M = 0.13% WO_3

Sample No. and interval	Number of pieces	Veins	% Rec.	Est. WO_3	% WO_3	% MoS_2	% Mo		Qtz.	Sch.	Powel.	Fluor.	Mode % W Vein	Mode % W Diss.	Py	MoS_2	Garnet	Fluor.	diss. MoS_2
55222	11	60	100	.05	.04	.037	.042		8	0	9		100	—	tr	5vn	1.0	–	–
223	21	13	100	.03	.14	.035	.038		8	0	11		100	—	tr	12vn	tr	-	-
224	9	70	100	.05	.07	.020	.025	X	4	4	11		100	—	tr	6vn	3.0	–	tr
225	9	75	100	.05	.18	.020	.025		6	2	17		100	—	tr	4vn	8.0	–	–
226	30	50+	[illegible]	.02	.08	.012	.013		5	3	14		100	–	tr	4vn	8.0	–	–
227	13	49	[illegible]	.02	.15	.012	.013		8	2	23		90	10	.1	8vn	4.0	–	–
228	13	37	100	.01	.03	.005	.007		2	3	9		100	–	tr	2vn	.8	–	tr
229	11	45	100	.05	.29	.070	.078	X	4	8	22		70	30	tr	4vn	8.0	tr	tr
230	13	31	100	.01	.03	.028	.030		3	1	7		100	–	.1	5vn	20	–	–
231	12	35	100	.01	.06	.015	.017		8	3	13		100	–	tr	3vn	.8	–	–
232	17	33	100	.02	.16	.018	.023		2	4	17		80	20	tr	6vn	4.0	-	tr
233	9	19	100	.2	.34	.075	.080		4	2	4		20	80	tr	4vn	3.0	-	tr
234	7	24	100	.02	.03	.005	.007	X	3	1	7		70	30	tr	7vn?	4.0	-	tr
235	9	48	100	.08	.12	.017	.020		6	5	76		60	40	tr	6vn	5.0	–	–
236	9	50	100	.03	.10	.035	.040		7	6	28		90	10	tr	[illegible]	4.0	–	–
237	14	49	100	.03	.12	.042	.045		8	4	23		90	10	tr	3vn?	2.5	–	–

NOTES

63.8 - 68.7 LT. green SK with a dense S.W. of qtz veins. Vns from 0.5 to 10 mm. Some with epi, some with MoS_2. Section contains ~ 5% HO as irregular patches.

68.7 - 69.2 LT. green SK + C.S. with 25% gar. as an random S.W. of vns.

69.2 - 69.8 V.F.G. garnet Px. SK. mid green.

69.8 - 70.1 Interbanded LT. SK. + dk. green HO

70.1 — 70.9 LT. green SK with dense S.W. of QV's.

70.9 - 71.1 DK green garnet px. SK

71.1 - 72.0 LT. green SK with numerous garnet vns.

72.0 - 72.8 LT. grey HO. numerous tight chlorite vns.

72.8 - 76.9 contorted LT SK with med grey HO bands 5% garnet vns & lenses.

76.9 - 77.5 White QMP, 3cm LT. SK. Lens @ 77.2. contacts @ 55° to core axis.

77.5 - 80.1 contorted pale to med. SK. with DK SK. 30% on garnet lenses. 5cm. marble @ 78.4 Qtz/SK crackle zone 79.6 - 79.8. Dissem. Sch & powellite 79.3 - 79.5

80.1 - 81.5 DK HO, with 60% DK SK HO

81.5 - 82.4 irregularly banded LT & DK SK with 20% skarned HO. 2cm QMP vn. @ 82.15.

82.4 - 86.0 LT. SK. with irregular DK SK lenses & bands. QMP dikes 84.1 - 84.6 and 84.8 - 85.05. Dissem. Sch. 20cm @ 85.2

86.0 - 86.3 White QMP

86.3 - 87.2 med. SK, 5cm QMP lens @ 86.3 parallel to core axis. dissem. Sch & powellite 86.3 - 87.3.

87.2 - 89.4 White QMP. contacts ~ 30° to core axis. Contains SK. fragments to 3cm.

89.4 - 92.5 irregular pale grey to pale green HO with 50% contorted LT SK, 20% DK SK. (91.1 - 91.45, with dissem. Sch). Dissem powellite 20 cm @ 91.7. Numerous garnet & Chl. vns.

92.5 - 93.1 contorted DK SK.

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SHEET 3 OF ____ cont'd

DEPTH METRES	1:200 GRAPHIC LOG					% REC.	ASSAY INTERCEPTS	ASSAY DATA						VEINS						% MODE W		MINERALS							NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS			SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2			QTZ.	SCH.	POWEL.	FLUOR.			VEIN	DISS.	Py	MoS_2	Garnet	Fluor.				

NOTES

93.1 - 99.2 Lt sk. [illegible] 20%. [illegible] bands. Pale grey/green

Ho 93.7 - 94.2. Dk sk 99.05 - 99.2. QMP vns. to 4cm.

@ 96.3, 96.5, 96.7, 97.9 & 98.[illegible] [illegible] 1cm calcite vn

@ 96.1 QMP vn @ 98.3 offset 3cm by fault ⊥ core axis.

dissem sch. 96.2 - 96.6

99.2 - 100.1 pale green sk Ho. Dk sk, contorted, 99.8 - 100. [illegible]

irregular Qtz vn 5cm.

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SHEET 4 OF

Lith.	Bedding	Faults	No. of pieces	Veins		% Rec.	Assay intercepts	Sample no. and interval	Est. WO_3	% WO_3	% MoS_2	EST % Fsl	% Mo	Qtz.	Sch.	Powel.	Fluor.	Vein	Diss.	Py	MoS_2	Garnet	Fluor.	Abd
LT			[illegible]	50+	[illegible]	100		55 238	.01	.15	.040	2.0	.045	7	4	30	-	80	20	tr	15vn	6.0	-	-
			[illegible]	50+	[illegible]	[illegible]	X	239	.01	.15	.057	.05	.062	7	4	28	-	80	20	.1	23vn	1.0	tr	-
Ø			12	45		[illegible]		55240	tr	.10	.037	.01	.040	7	3	9	1	100	0	tr	2vn	2.0	tr	tr
LT			[illegible]	50+		[illegible]		241	.05	.16	.042	.1	.045	8	5	22	-	60	40	tr	11vn	4.0	-	-
		[illegible]	8	45		[illegible]		242	.01	.10	.050	.1	.053	8	6	12	-	70	30	.2	12vn	3.0	-	-
LT	70		[illegible]	50+		[illegible]		243		.12	.153	.3	.158	9	6	25	-	100	-	.1	11vn	4.0	-	-
CS			10	50+	[illegible]	[illegible]	X	244	.01	.12	.045	1.0	.048	4	8	28	-	80	20	.1	14vn	1.0	-	-
			[illegible]	47		[illegible]		245	tr	.14	.035	.03	.037	2	5	9	-	80	20	.15	15vn	.5	-	-
LT			12	47		[illegible]		246	[illegible]	.10	.035	tr	.037	5	7	5	-	90	10	.1	7vn	.8	-	-
			9	50+		[illegible]		247	.01	.12	.072	.8	.075	4	6	22	1	100	-	tr	9vn	1.0	tr	-
DK / LT			16	43		100		248	tr	.02	.023	tr	.027	1	1	5	1	100	-	tr	12vn	.4	tr	-
			26	30		100		249	tr	.21	.058	.01	.062	1	4	16	1	80	20	.15	12vn	.6	tr	-
HO			15	-		100		55250	tr	.10	.028	.01	.032	2	2		-	90	10	tr	9vn	1.5	-	-
DK		[illegible]	40	-		100		251	tr	.02	.038	tr	.040	-	2	6	-	90	10	.15	7vn	tr	-	-
HO	85		11	50+		100		252	tr	.09	.032	.05	.033	2	4	18		90	10	tr	9vn	6.0	-	-
DK / DK / HO / LT			11	48		100		253	tr	.06	.053	.01	.055	3	3			90	20	.3	9vn	2.5	-	-

NOTES

100.1 - 100.9 white QHP ŵ garnet vns.

100.9 - 106.0 LT. SK 80% contorted, includes 20% DK. SK bands. 15 cm dissem. Sch @ 102.5. crackle zone 104.8 - 106.0 Dissem Sch & powellite 105.65 - 106.0

106.0 - 108.3 LT. SK, well bedded. Qtz vns to 2 cm @ varying angles.

108.3 - 108.8 pale SK. HO.

108.8 - 113.9 LT SK, 15 cm DK SK band @ 108.8; includes 15% med grey HO. irregular Qtz vn to 2 cm parallel to core axis 112.8 - 113.5

113.9 - 116.4 LT. SK, includes 15% med grey HO. pale HO SK.

116.4 - 116.6 DK. SK

116.6 - 120.1 LT. SK, ŵ 20% LT HO bands. 30% Garnet bands between 117.6 - 117.8 and 118.0 - 118.4. Qtz/cal. crackle zone 119.15 - 119.3

120.1 - 120.6 LT grey/green HO ŵ 20% garnet bands.

120.6 - 123.9 DK. SK, highly fractured [ŵ calcite vns] 122.5 - 123.9, including several shears - some ŵ MoS_2.

123.9 - 124.9 LT. grey HO (50%), LT SK (30%) & DK SK (20%) interbedded

124.9 - 126.25 LT. grey HO: strong Qtz banding ~ 20% between 125.1 - 125.4 10 cm DK SK. @ 125.7; 5 cm DK SK on contact @ 126.25

126.25 - 126.6 fine gr. DK Diorite. Contacts irregular.

126.6 - 127.0 DK. SK; 5 cm DK HO lens @ 126.7

127.0 - 127.7 pale purplish/green HO-SK.; narrow DK SK. border on 2 cm Qtz/garnet vn parallel to core axis 127.3 - 127.7

127.7 - 128.9 pale to LT SK.

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SHEET 5 OF

Graphic log (1:200), lithology column, top to bottom: LT, Fels, DK, Fels, HO, LT, HO, DK, LT, HO, DK, 60 HO 40 LT, LT, Ø, DK, Ø, LT, Ø, HO. Bedding: 80. Assay intercept: .146 / .103.

Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2		Total Mo	Qtz.	Sch.	Powel.	Fluor.	Vein	Diss.	Py	MoS_2	Garnet	Fluor.	
55254		.10	.201	.01	.203	-	5	10	-	30	20	.15	18	tr	-	tr
255		.15	.118	.02	.126	4	4	17	-	100	-	tr	22	1.5	-	-
256		.24	.064	.02	.068	6	10	19		90	10	tr	8	1.5	-	-
257		.12	.033	.02	.036	8	5	16		80	20	.1	10	2.0	-	-
258		.17	.075	.02	.080	6	7	8		70	30	.2	16	.5	-	-
259		.16	.125	.02	.132	7	6	23		90	10	.15	15	3.0	-	-
55260		.08	.034	.01	.036	4	10	8		90	10	.4	16	3.0	-	-
261		.12	.196	.01	.198	5	5	5		90	10	.2	15	1.0	-	-
262		.18	.103	.02	.106	4	5	9		90	10	.2	12	1.0	-	-
263	tr	.11	.057	tr	.060	2	1	4	3	100	-	.1	9	-	tr	tr
264	tr	.04	.012	tr	.014	2	2	6	-	100	-	tr	7	.4	.02	.02
265	tr	.06	.028	.02	.030	4	2		-	100	-	.15	6	tr	tr	tr
266	tr	.06	.028	tr	.030	1	1	2	-	100	-	tr	-	-	tr	tr
267	tr	.02	.011	-	.012	2	1	-	-	100	-	tr	1	-	tr	tr
268	tr	.05	.020	.01	.022	4	1	5	-	0	100	tr	3	.5	-	tr
269	tr	.06	.014	.01	.016	4	2	4	-	60	40	.15	5	-	tr	-

NOTES

128.9 - 129.7 pale green aphanitic felsite c̄ 1-2 mm plag phenos. contact @ 128.9 poorly defined - upper 15 cm of felsite includes large SK fragments.

129.7 - 130.25 DK SK. [illegible]

130.25 - 131.0 pale green aphan. felsite [illegible]

131.0 - 131.9 LT grey HO c̄ 30% LT SK bands.

131.9 - 132.8 LT SK ; Qtz vns & lenses to 3 cm

132.8 - 135.1 LT. grey HO c̄ 15% bands pale SK: 15% bands garnet garnet / Qtz vns to 15mm.

135.1 - 135.8 DK. SK contorted.

135.8 - 137.3 LT. SK. c̄ 10% LT HO bands. 10 cm dissem Sch + powell @ 136.9 in Qtz cemented crackle zone that runs from 136.9 - 137.1 7 cm. DK SK. @ 136.5

137.3 - 137.4 Chloritized fracture zone.

137.4 - 137.6 DK HO.

137.6 - 137.8 DK SK.

137.8 - 142.6 Pale HO 60% interbedded with pale to LT SK.: includes 10% bands garnet.

142.6 - 146.5 LT. SK. c̄ 15% LT. grey HO. 2 cm Qtz/garnet vn. parallel to core axis 142.6 - 143.0. 3 cm QMP vn @ 143.2; irregular Qtz vn ~ 2-4 cm @ 143.3 - 143.9; 1 cm QMP @ 144.2 & 145.1

146.5 - 149.3 QMP, white, c̄ fine gr. borders. Contact @ 20° to core axis. Qtz phenos to 5 mm. 5 cm fine gr. QMP c̄ Qtz phenos @ 146.8. 1-2 mm vns

149.3 - 151.1 Med. SK, 10% purple HO. Py vns to 2 mm.

151.1 - 157.2 White QMP. upper contact 20° to core axis. Contains SK fragments to 10 cm; @ 155.4: Qtz enriched borders on pink/smokey Qtz vn. (irregular, to 1 cm wide), & fragments of finer gr. QMP. Towards lower contact QMP becomes finer grained and light green.

157.2 - 158.6 LT. SK, 5 cm garnet band @ 157.3, garnet bands to 3 mm ⊥ core axis. Upper contact has Chl. #'s.

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 5
SHEET 6 OF

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	[illegible]	Total Mo	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.	[illegible]
160	Ho							55270		.07	.045	.01	.046	1	2	6	–			.1	vn 1.9	tr	–	–
	Apl							271		.12	.020		.022	–		7				tr	5	tr	tr	–
	Ho							272	tr	.07	.047	.01	.048	–	2	5	–	90	10	.1	3	tr	tr	.05
168	DK	90						273		.07	.026	.02	.028	–	5	12		100	–	.15	3	tr	–	–
170	Ho						×	274	tr	.06	.078	tr	.080		3	6	–	50	20	.1	15	tr	–	–
172	ø							275		.10	.040	.02	.042	1	3			90	10		8	tr	tr	–
174	Ho			50+	15+	70		276	tr	.12	.033	tr	.034	–	3	1	3	100	–	tr	5	–	tr	–
176	ø			50+	28+	90		277	tr	.04	.021	tr	.022	1	5	3		90	10	tr	5	.4	tr	–
178	Ho			27	28	90		278	tr	.03	.011	.01	.012	1	2	6	–	80	20	.2	7	1.2	–	–
180	DK			50+	10		×	279	tr	.29	.015	tr	.016	2	5	1	1	100	–	.1	3	.6	tr	–
182	Ho LT	60		40	26			280	tr	.08	.015	tr	.016	3	3	4	–	90	10	.1	4	.5	–	–
184	Ho			7	30	100		281	.01	.19	.018	.03	.028	3	6	5	–	40	60	.1	3	3.0	tr	–
186	LT			50+	50+	90		282	tr	.10	.021	.02	.024		4			100	–	Locally fragmented. Fragments contain MoS_2, Py, Fluorite.				
188				49	43	70		283	tr	.08	.024	.01	.026		4	5		90	10					
190	Ho			50+	46	90	×	284	.01	.10	.052	tr	.054		3	1		20	80					
192	ø			50+	22	85		285	.01	.10	.009	tr	.010		1	4		20	80					

NOTES

158.6 - 159.0 pale green [illegible] Qtz lenses, Py vrs to 1mm. Higher [illegible]
70 cm white Qtz ĉ feldsp. pieces to 2 cm (~5%) 158.3 - 158.9
159.0 - 164.2 [illegible]
5 cm garnet band [illegible]
161.2 - 161.6 & 163.0 - 164.1 [illegible] green felsite [illegible]
50% of rubble 163.5 - 164.2 [illegible] felsite to aplite.
5 cm [illegible] DK SK bands
164.2 - 164.6 fine gr. light aplite. MoS_2 to 1 cm. dissem.
over 5 cm @ 164.4.
164.6 - 166.6 DK HO. incl. 10% LT SK. [illegible] # zone 164.6 - 165.4
166.6 - 168.2 Pale green HO; 7 cm garnet band @ 166.8
168.2 - 168.7 DK SK, contorted.
168.7 - 170.1 med purple HO mostly contorted ĉ 10% med & DK
SK bands.
170.1 - 171.1 white QMP fluorite dissem & on vns.
171.1 - 174.8 LT HO. 15 cm med. SK @ 171.1 contact. Calcite #
zone. 171.3 - 172.0 & 172.3 - 174.6
174.8 - 175.4 LT. green to LT brown HO ĉ zones of DK. HO. near
QMP vns. 10 cm DK HO band @ 175.4. numerous garnet vns.
175.4 - [illegible] fine gr QMP - Light grey to white
176.6 - 178.0 LT. green HO ĉ DK [illegible] garnet bands to 3 cm
178.0 - 179.6 highly # DK. HO, ĉ slickensided surfaces.
179.6 - 180.6 DK SK; 20 cm QMP dike @ 180.2; 2 cm QMP
vn @ 180.5
180.6 - 181.4 med. grey HO
181.4 - 181.7 LT SK, 5 cm LT HO @ 181.3
181.7 - 184.4 bleached to pale green HO. ĉ 30% garnet dissem & in
bands/lenses. 3 cm QMP vn @ 182.7 ĉ med SK borders. 20 cm
fine grained green felsite @ 183.7. 12 cm QMP dike @ 184.1
184.4 - 185.7 highly fractured DK HO ĉ calcite # filling. 20 cm. # qtz
vn. @ 185.0
185.7 - 186.1 contorted highly # LT SK. 5 mm calc/epidote vn ‖ core axis.

AMAX POTASH LIMITED

LOGTUNG PROJECT

D. D. H. LT-77- 5

SHEET 5 OF

DEPTH METRES	1:200 GRAPHIC LOG						% REC.	ASSAY INTERCEPTS	ASSAY DATA						VEINS						% MODE W		MINERALS							NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS				SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2			QTZ.	SCH.	POWEL.	FLUOR.			VEIN	DISS.	Py	MoS_2	Garnet	Fluor.				

NOTES:

186.? – 18?.5 Fragmented [illegible]
186.8 – 187.8 Fragmented [illegible]
187.8 – 189.8 Fragmented [illegible] purple [illegible] green [illegible] 15 cm
dissem. Sch. @ 18?.? – 188.15 40 cm dissem Sch. + flow 190.3
– 190.7 ?cm Qtz vn w [illegible] cm dissem MoS_2 @ [illegible]
190.8 – 194.2 Fragmented white to pale green QM Qtz vn 15 cm
w feldspar to 2cm @ 192.05 [illegible] w [illegible] cm dissem
py & minor MoS_2 @ 191.7 – 191.9 [illegible]

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 5

SHEET 7 OF

Lith.	Assay Intercepts	Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2	[illegible]		Qtz.	Sch.	Powel.	Fluor.	Vein	Diss.	Py	MoS_2	Garnet	Fluor.
HO		55286	tr	.02	.001	tr	.001		1	1	–	100	–				
HO		287	tr	.13	.018	.2	.020	4	5	27	2	80	20	.2	3/4	2.0	tr
DK		288	.01	.16	.013	.2	.018	7	8	27	2	90	10	.2	3	.8	tr
HO	×	289	tr	.07	.083	tr	.084	2	2	1	–	90	10	.1	8	–	–
Fel.		55290	tr	.06	.018	tr	.020	2	5	5	–	100	–	.1	7	–	–
DI / Fel. / DI		291	tr	.05	.023	.01	.024	1	4	7		100		.2	9	–	–
HO		292	tr	.05	.036	tr	.040	2	2	3	–	100	–	tr	3	–	–
HO		293	tr	.06	.021	tr	.024	–	2	4	1	100	–	tr	6	.5	tr
HO / DK	×	294	tr	.06	.033	tr	.034	3	2	6		100	–	.2	8	–	–
DK		295	tr	.03	.020	tr	.022	–	4	3		100	–	.1	0	–	–
HO		296	tr	.02	.017	tr	.018	1	1	1		100	–	tr	–	–	–
LT		297	tr	.02	.015	tr	.016	1	1	3		30	70	.1	6	–	–
LT / HO		298	tr	.10	.041	.01	.042	1	4	[illegible]		80	20	.15	3	–	–
HO / Fel.	×	299	.02	.22	.022	.13	.024	6	[illegible]	29		80	20	.4	5	6.0	–
HO / DK		55300	tr	.07	.021	.01	.022	5	3	[illegible]		90	10	.4	6	.5	–
DK		55301	.01	.02	.010	.01	.010	3	7	[illegible]		90	10	.1	5	–	–

END HOLE @ 223.4

NOTES

194.2 – 194.6 contorted SK HO [illegible]. Dissem Sch & Powell 194.2 – 194.6

194.6 – 194.8 White to pale green QMP

194.8 – 197.1 [illegible] garnet [illegible] 10 cm QMP @ 196.7

197.1 – 198.4 DK SK [illegible] LT SK [illegible]. 2 cm QMP @ 198.[illegible]

198.4 – 201.6 DK HO w 20% LT. SK. bands 2 cm QMP @ 198.6

201.6 – 203.0 LT green felsite. 5 cm DK HO Lens @ 201.8

203.0 – 203.4 DK green Diorite. [illegible] QMP @ 203.2

203.4 – 203.8 LT green felsite. Irregular 3 cm QMP vn @ 203.8 [illegible]

203.8 – 205.1 DK green Diorite. Diorite/felsite contact gradual.

205.1 – 206.5 med. grey HO. 7 cm QMP @ 206.0. 2 cm QMP branching vn @ 206.2 – 206.5

206.5 – 207.8 DK greenish HO.

207.8 208.2 White QMP.

208.2 – 209.3 DK greenish HO.

209.3 – 211.0 DK SK contorted bedding. includes LT SK 15% DK HO 10%. 10 cm Qtz vn @ 210.7.

211.0 – 213.9 DK grey HO w 10 cm DK SK @ 212.3 2 cm QMP @ 211.5 & 212.7 HO is greenish 213.0 – 213.8

213.9 – 215.6 LT to med HO. 5 cm QMP @ 214.6

215.6 – 216.8 LT SK. w 20% med grey HO. 20 cm dissem Sch & Powell. @ 216.4

216.8 – 217.2 ~~[illegible]~~ LT green QMP. HO fragments @ Lower contact

217.2 – 217.8 LT SK w 30% DK HO

217.8 – 220.2 bleached LT green HO w 10% garnet vns & lenses. 7 cm QMP @ 21[illegible] w 1 cm branch. 1 cm QMP @ 219.2 & 219.8 DK SK bands to 5 [illegible].

220.2 – 220.4 green coarse felsite w 2-3 cm Qtz border on Lower Contact.

220.4 – 221.0 LT grey HO w 10 cm SK/garnet band @ 220.6. 1 cm QMP @ 220.8

221.0 – 223.4 DK SK. 6 cm QMP @ 221.9, 25 cm QMP @ 222.1 – 222.35 QMP // core axis 222.6 – 223.2. Numerous vns w chl. borders. 20 cm Qtz crackle zone @ 223.5

DD-11

091100

60.0027
131.6178

DIAMOND DRILL RECORD - LOGTUNG

Hole Number LT 776

Co-ordinates 020W,
600N

Collar Elevation 1548 M

Total Depth 727', 221.7M

Depth Casing 22', 6.7M

Depth Overburden 8M

Core Size NQ

Bearing at Collar Vert.

Dip at Collar Vert.

Commenced Drilling Aug 25/77

Completed Drilling Sept 1/77

Section

Logged By W. VanDer Poll

Drilling Contractor E.Caron Diamond Drilling

SURVEY SUMMARY

Depth	Dip	Bearing	Method
712	within ½° of	Vert.	Sperry Sun Single Shot.

PERTINENT ASSAY DATA

Interval		WO_3 %
0 - 221.7 M	221.7 M	.09% WO_3, .072% MoS_2
82 - 152	70 M	.09% WO_3 .111% MoS_2

PERTINENT GEOLOGY

Interval	Rock Type or Structure

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 6

SHEET 2 OF 8

Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2	% Mo as MoS_2	Veins: Qtz.	Veins: Sch.	Veins: Powel.	Veins: Fluor.	% Mode W: Vein	% Mode W: Diss.	Minerals: Py	Minerals: MoS_2	Minerals: Garnet	Minerals: Fluor.
55302	.	.10	<.001	.016										
303		.13	.014	.036		[illegible]	12	-						
304		.12	.024	.042		1	6							
305	[illegible]	.15	.016	.032	1	2	8	-	100	-	.1	[illegible]	[illegible]	-
306		.06	.028	.034	3	1	7		90	10	tr	10	-	tr
307	tr	.09	.026	.040	-	2	12	-	100	-	tr	6	-	-
308	-	.08	.044	.056	1	[illegible]	6	-	-	-	tr	1	-	-
309	[illegible]	.12	.038	.054	-	1	[illegible]	-	100	-	tr	2	-	-
310	tr	.08	.040	.048	-	1	16	-	100	-	tr	1	-	-
311	tr	.04	.008	.016	1	1	10	-	100	-	tr	1	-	-
312	tr	.06	.004	.016	-	4	6	-	100	-	tr	-	-	-
55313	-	.07	.016	.030	1	-	2	1	-	-	tr	1	-	tr

Graphic log (number of pieces / veins): 303: 50 / 35; 304: 35 / [illegible]; 305: 40 / 54; 306: 17 / 10; 307: 55 / 40; 308: 27 / 25; 309: 21 / 16; 310: 30 / 42; 311: 38 / 35; 312: 50 / 25; 313: 15 / 20. Lith.: HO; HO 10% LT; HO.

NOTES

0-8 no core

8-16 Fractured HO, lim stained ~ 50% bleached. light green [illegible] vein. From 10.9-11.2 black [illegible] of [illegible] caused by manganese oxide

16-17.5 Similar except ~ 10% LT. SK. & probably caused by [illegible] vein.

17.5-19. Strongly bleached HO - lt. green. still limonite fracture.

19-22.2 HO [illegible] abundant black spotting. The spotting is bleached out [illegible].

22.2-23.0 - Bleached LT. green HO.

23.0-32.3 - Lt. to med [illegible] HO [illegible] numerous lim. [illegible] fracture.

2" trachytic andesite dike at 23.9.

~ 35% bleached along [illegible]. [illegible] common.

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 6

SHEET 2 OF ____

DD-11

Depth (metres)	Lith.	Number of Pieces	Veins	% Rec.	Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2	% Mo As MoS_2	Veins: Qtz.	Veins: Sch.	Veins: Powel.	Veins: Fluor.	% Mode W: Vein	% Mode W: Diss.	Minerals: Py	Minerals: MoS_2	Minerals: Garnet	Minerals: Fluor.
34	Ho	35	35	100	55314	tr	.15	.008	.026	1	3	15	-	100	-	tr	2tr	-	-
36	Ho	40	41		15		.10	.010	.032	-	1	11	-	100	-	tr	2	-	-
38	LT / Ho	35	55		16	tr	.11	.056	.062	1	2	11	2	100	-	tr	10	-	tr
40	Ho	27	48	100	17	-	.12	.028	.032	-	0	6	-	100	-	tr	3	-	-
42	Ho	29	57	-	18	-	.10	.058	.062	3	2	6	-	100	-	.1	3	-	-
44	Ho	8	90	100	19	-	.09	.090	.072	2	0	2		100	-	tr	11	-	-
46	LT	2	57	100	55320	tr	.16	.072	.076	2	2	7	-	100	-	tr	21	-	-
48	Ho	9	70	100	21	tr	.10	.068	.070	1	1	9	-	100	-	-	7	-	-
50	LT	[illegible]	4[illegible]		22	tr	.08	.112	.116	1	2	4	-	100	-	tr	12	-	-
52	LT	10	29	100	23	tr	.20	.050	.054	1	4	10	-	100	-	tr	12	tr	-
54	LT	11	5	100	24	.01	.11	.030	.034	2	5	7	-	100	-	tr	4	tr	-
56	Ho	8	40	100	25	tr	.11	.050	.054	2	2	13	-	100	-	tr	9	-	-
58	Apl / SK	9	37	100	26	tr	.27	0.140	.152	4	2	18		100	-	-	10	-	-
60	Ho	11	55	100	27	tr	.07	.040	.054	4	1	7	-	100	-	tr	10	-	-
62	Dol. M. / LT	27	45	100	28	tr	.14	.062	.072	1	2	8	-	50	30cm 50	tr	7	-	-
64	Ho / DK	15	34	100	55329	tr	.16	.018	.096	3	2	21		80	10cm 20	tr	7	-	-

Assay intercepts: .056 26M; .131 WO_3 34M

Minerals (additional columns): tr 2tr; tr Ho dissem

NOTES

32.3 – 37.0 ~80% light grn bleached HO with lim stained fractures.

37.0 – 37.2 LT. grn SK

37.2 – 39.8 S[illegible] bleached HO (~80%)

39.8 – 44.6 v.f.g. HO, grey to grn green

44.6 – 47.2 Contorted LT & Qtz 20% w/ 18% pale grey to pale green HO. in lenses.

47.2 – 48.8 DK. HO, contorted & strong bleaching on vns &

48.8 – 54.3 LT. SK. with 10% bleached HO. 20cm LT. purple HO 53.7-53.9

54.3 – 55.2 pale purple HO, LT. SK bands or borders 10%.

55.2 – 56.1 DK SK., 10 cm bleached HO or 30cm QTZ vn @ 55.6 5cm LT. HO. band @ 55.8

56.1 – 56.45 LT HO, 10%, LT SK

56.45 – 56.75 fine gr. aplite, qtz rich.

56.75 – 57.9 pale SK.

57.9 – 60.7 LT grey coarse HO. massive

60.7 – 61.0 dolomite

61.0 – 61.1 LT. HO

61.1 – 62.5 LT. SK. 30 cm diss. powell 61.8-62.1

62.5 – 63.2 pale grey/green HO.

63.2 – 64.4 DK SK Qtz crackle zone 63.2-64.4

64.4 – 64.9 Dolomite

DD-11

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 6
SHEET 3 OF

DEPTH METRES	LITH.	BEDDING	NUMBER OF PIECES	VEINS	% REC.	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Tot Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.
66	DK					55330	tr	.16	.020	.040	1	1	10	-	100	-	tr	5	-	-
68				5+	100	31	tr	.08	.006	.010		1	9	-	95	-		3	-	
70	Ho		3			32	tr	.05	.030	.032		2	10		100	-	tr	8	-	tr
72						33	tr	.09	.024	.028	1	3	15	-	100	-	tr	3		-
74						34	tr	.07	.018	.028		5	3	-	80	20	tr	4	-	-
76	DI					35	tr	.08	.066	.074		3	10	-	100	-		12		
78					100	36	tr	.13	.018	.024		3	17	-	80	20	tr	6	tr	-
80	Ho			50	100	37	tr	.08	.016	.020		3	17	-		-		2	.6	-
82		70			100	38	tr	.08	.034	.036		6	18	1	100	-	tr	8	.2	tr
84	DK / Ho / DK		8			39	tr	.18	.126	.136	1	2	5	-	100	-	tr	7	tr	-
86				40	80	55340	tr	.44	.112	.134	1	3	8	-	90	10	tr	8	tr	-
88	Ho			40	100	41	-	.05	.076	.080	2	0	5	-	-	-	tr	10	tr	-
90			50^+	40		42	tr	.03	.016	.020	1	1	3		-	-	tr	2		-
92	DK / DY		11	46		43	tr	.15	.096	.108	3	0	25	-	0	50 cm 100	.1	12	tr	-
94	Ho		17	50^+		44	.01	.10	.121	.124	4	5	11	-	50	20 cm 50	tr	14	.4	-
96	DI		19	37		55345	.01	.04	.184	.194	4	3	11	-	70	30	tr	25	tr	-

NOTES

- 64.9 - 66.1 Bleached pale grey HO.
- 66.1 - 67.4 pale green HO. 1cm QHP @ 66.4
- 67.4 - 72.3 pale grey/green HO
- 72.3 - 73.9 med. grey HO. 10cm pale green HO @ 72.2
- 73.9 - 74.25 pale green HO
- 74.25 - 75.4 fine grained Diorite, coarser on upper contact
- 75.4 - 81.3 pale green HO. 15% DK SK borders on vns≠
- 81.3 - 83.0 LT. grey HO. 1cm aplite vn @ 82.5
- 83.0 - 83.3 DK SK.
- 83.3 - 84.6 pale grey/green HO. 10cm DK SK/garnet band @ 84.4
- 84.6 - 84.8 DK SK
- 84.8 - 89.8 LT grey to med grey HO. 7cm qtz vn @ 87.7, 10cm marble @ 89.1
- 89.8 - 90.1 marble. Ca crackle zone/≠ zone 89.9 - 90.1
- 90.1 - 90.2 DK HO
- 90.2 - 91.0 DK SK, ŵ 30% LT SK & 10% LT HO. Dissem powell. 90.3 - 90.6 in Qtz crackle zone.
- 91.0 - 91.1 DK HO
- 91.1 - 92.3 DK SK - lighter [illegible] 50cm Dissem Sch + Powell 91.8 - 92.2
- 92.3 - 92.7 pale green HO.
- 92.7 - 94.8 LT grey HO
- 94.8 - 101.5 med. grained Diorite. Bleached vns ≠. 2cm Qtz/Mos. vn @ 95.8.

DD-11

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 6
SHEET 4 OF

Depth (metres)	Lith.	Bedding	Number of pieces	Veins	% Rec.	Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2	[illegible]	Tot Mo as MoS_2	Qtz.	Sch.	Powel.	Fluor.	% Mode W Vein	% Mode W Diss.	Py	MoS_2	Garnet	Fluor.
98	DI		12	5	100	55346	tr	.04	.079	tr	.080	?	2	4		100	–	tr	9	tr	–
100					80	47	tr	.05	.294	tr	.304	?	2	3		100	–		11		
102	LT		20			48	tr	.07	.160	.01	.162	1	2	7		100	–	tr	20	–	–
	HO		12			49	tr	.07	.050	tr	.050		1	5		60	40		15	tr	–
			26	50		50	tr	.02	.035	tr	.036		1	3		100	–		18	–	
	HO		10	50+		51	–	.02	.061	tr	.062		–	?		–	–		16		
			20	50		52	tr	.04	.033	tr	.034		2	5		100	–		11	–	
112	DK / LT		10	50+		53	tr	.16	.323	.15	.328		1	6	–	100	50cm –	tr	21	tr	–
114	HO / DK					54	tr	.36	.136	.8	.144	–	1	6	–	100	70cm –	.1	5		
116	LT / HO		12	50		55	tr	.08	.057	.03	.058	2	2	13	–	100	–	tr	6	.8	–
118	LT / DK		12	51		56	tr	.09	.098	.03	.100	3	5	15	–	90	10	tr	3	5.0	–
120			5	45		57	tr	.10	.050	.05	.052	3	3	20		100	–	tr	7	10	–
122			11	50+		58	.01	.08	.031	.03	.032	8	6	16		90	10	tr	5	3.0	–
124	HO		7	50+		59	tr	.02	.115	tr	.116	–	1	5	–	100	–	tr	8	tr	–
126		90	8	50+		55360	tr	.01	.032	tr	.032	–	1	1	–	100	–	tr	13	tr	–
128			16	40		61	tr	.08	.085	.01	.086	1	1	2	–	100	10cm –	tr	10	–	–

NOTES

101.5 - 102.3 LT green HO SK., 5 cm bleached HO @ 102.1
102.3 - 109.5 LT grey-purple HO with 5% bands pale green HO
10 cm dolomite @ 105.2 ; 1 cm aplite vn @ 106.7 & 107.2 & 109.8
109.5 - 109.9 pale green SK HO.
109.9 - 110.4 LT. grey HO.
110.4 - 111.1 DK SK dissem. powell 110.5 - 111.1
111.1 - 112.1 pale green HO with 10 cm DK HO @ 111.4.
112.1 - 112.8 Qtz-calcite crackle zone in HO
112.8 - 113.9 DK SK. 10 cm DK HO @ 112.8. garnet lenses 113.5-114.0
dissem. powell. 113.2 - 113.9
113.9 - 114.9 LT SK with garnet lenses & bands. 2 cm QHP @ 113.95
114.9 - 116.0 med. green HO
116.0 - 116.8 LT. SK. with garnet mottling
116.8 - 117.3 LT SK mottled, with garnet vns.
117.3 - 119.8 pale grey to pale green CS, with 20% garnet lenses vns & dissem. 10 cm DK HO @ 119.8
119.8 - 121.4 pale green HO 10 cm DK SK @ 120.5
121.4 - 121.7 white bleached HO, 5 cm pale green HO 121.5
121.7 - 122.6 DK HO
122.6 - 128.3 Med. grey HO with 10% LT SK Bands & DK SK borders on garnet lenses. 10 cm DK SK with dissem. Powell @ 127.2
3 cm QHP vn @ 123.5
128.3 - 130.3 LT. SK. with numerous garnet lenses.

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AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 6

SHEET 5 OF

LITH.	NUMBER OF PIECES	VEINS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	[illegible]	Tot. Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.
HO / LT			55362		.08	.040	.01	.046	3	0	8	-	-	-	tr	3m	1.0	-
	11	50+	63		.06	.028	.01	.030	-	0	7	-			tr	3m	tr	-
HO	15	50	64		.04	.038	tr	.046	2	0		-			tr	13	-	-
DI			65	tr	.08	.076	.01	.120	1	1	2	-	80	20 cm 20	tr	3	tr	-
		50+	66		.04	.094		.096	-	1	2	-		-	tr	13	tr	-
	9		67		.05	.083		.084		3				-	tr	25	tr	-
HO	9	50+	68	tr	.07	.199	tr	.200	4	2	3		100	-		29	-	-
	10	50+	69	tr	.04	.095	-	.096	-	3	0	-	100	-		24	-	-
DK		50+	55370	tr	.17	.602	.8	.608		1	6	-		35 cm		17	-	-
	19	50+	71		.03	.105	tr	.106	1	1	2	-		-		18	-	-
HO	3	50+	72	tr	.06	.051	.01	.052	-	4	7	-	100	-	tr	17	-	-
DK	11	48	73	tr	.06	.154	tr	.162	3	2	4	-	100	-		17		-
HO	10	50	74	tr	.04	.078	.02	.082	1	3	9	-	100	-		17		-
LT / HO	6	47	75	tr	.07	.058	.02	.062	1	3	7	-	100	-		26	tr	-
DK	17	50	76	.01	.09	.084	.03	.090	2		6		80	20 cm 20		23	tr	-
HO	9		55377	tr	.06	.058	.01	.060	3	2	11		100	-	tr	29	1.0	-

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NOTES

130.3 - 130.6 LT.SK. [illegible] calcite cementation
130.6 - 131.2 Med green HO. #2 zone
131.2 - 133.3 pale green HO, #2 zone
133.3 - 135.5 med. grey HO. 20 cm DK SK [illegible] dissem Sch & Powell @ 134.7 - 134.9
135.5 - 135.9 med. gr. Diorite
135.9 - 136.4 bleached # HO.
136.4 - 144.1 med grey HO. w 20% pale green HO bands
144.1 - 144.7 pale green HO 10 cm DK HO @ 144.4
144.7 - 145.6 DK SK w dissem. Sch & Powell 144.65 - 145.0
145.6 - 148.0 pale green HO w 20% DK HO. Dolomite 147.3 - 147.5 3 cm QTZ vn @ 145.9
148.0 - 148.7 LT. grey to pale green HO
148.7 - 149.6 pale green HO w 10 cm DK HO @ 149.3
149.6 - 149.8 DK HO
149.8 - 150.4 bleached purple HO w 5% med SK fractures. Becomes LT. green 150.2 - 150.4
150.4 - 150.7 DK SK
150.7 - 152.9 med grey HO w 5% pale green HO bands. 10 cm band w small garnet lenses @ 151.3
152.9 - 153.6 pale green HO w garnet/DK SK bands 10%
153.6 - 154.0 med grey HO. 3 cm garnet band w narrow LT SK borders @ 153.6
154.0 - 154.3 LT SK w 20% garnet bands.
154.3 - 156.1 med grey HO. 10 cm LT. SK. @ 155.8, 15 cm DK SK @ 155.3
156.1 - 156.5 DK. SK, becoming lighter from 156.3.
156.5 - 157.6 Med grey HO.; 10 cm LT. SK. @ 157.0. 2 cm Calcite vn @ 156.9
157.6 - 159.7 pale to LT SK., 20 cm DK. SK. 157.6 - 157.8, dissem. Powell & Sch. 157.7 - 157.9. 5 cm Qtz vn @ 158.4
159.7 - 161.8 LT. HO, 10 cm LT SK. [illegible] Qtz vns @ 161.3 & 161.8 two 1-2 cm garnet bands w DK SK borders 161.6 & 161.8

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 6

SHEET ____ OF ____

SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2		Tot. Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W: VEIN	% MODE W: DISS.	Py	MoS_2	Garnet	Fluor.
55378 (4m sample)		·10	·166		·170		2						28	1.0	–
		~~·14~~	~~·048~~		~~·052~~		2	18			50 cm		11		
55379		·14 ~~·08~~	·048 ~~·040~~		·052 ~~·042~~	2	2	16					6	2.0	
80		·08 ~~·06~~	·040 ~~·052~~		·042 ~~·054~~		3	2					14	3.0	–
81		·06 ~~·05~~	·052 ~~·049~~		·054 ~~·050~~		4	9					9	3.0	–
82		·05 ~~·08~~	·049 ~~·060~~		·050 ~~·062~~			7					13	1.0	–
83	tr	·08 ~~·15~~	·060 ~~·106~~	tr	·062 ~~·108~~		3	3		100	–		15		–
84	·01	·15 ~~·07~~	·106 ~~·056~~	1	·108 ~~·058~~		5	21		80	20		14		–
85		·07 ~~·07~~	·056 ~~·031~~		·058 ~~·032~~		2	11		10	10		17	1.0	–
86	·02	·07 ~~·04~~	·031 ~~·042~~		·032 ~~·044~~	2	7	8		100	–	tr	12	1.0	–
87	·01	·04 ~~·12~~	·042 ~~·060~~	·02	·044 ~~·062~~	2	6	13		100	–	tr	8	1.0	–
88	·05	·12 ~~·08~~	·060 ~~·088~~	·15	·062 ~~·090~~	6	12	27		70	30	tr	10	1.2	–
89	·01	·08	·088	·08	·090	1	2	16		80	20	tr	4	2.0	–
55390	tr	·04	·027	·02	·028	2	3	15	–	100	–		5	10.0	–
91	tr	·12	·118	tr	·120	3	4	1		100	–	tr	14	4.0	–
55392	tr	·08	·039	·01	·040	2	2	10	1	100	–	tr	5	7.0	tr

NOTES

161.8 – 162.2 LT. SK.

162.2 – 163.2 DK. SK. ē dissem. Sch. & powell. 162.6 – 163.1

163.2 – 163.5 LT. SK. ē numerous garnet vns. grades into mottled c/s below.

163.5 – 163.8 mottled grey c/s

163.8 – 164.4 LT SK. ē numerous garnet vns

164.4 – 165.4 mottled grey c/s ; numerous garnet vns.

165.4 – 167.4 LT. pale green to pale green SK. ē 30% dissem garnet.

167.4 – 167.9 LT. grey HO

167.9 – 169.5 mottled grey c/s ē 30% dissem garnet

169.5 – 170.4 Med. SK. ē [illegible]

170.4 – 171.2 mottled grey c/s ē 20% garnet dissem./vns/bands includes 10% LT SK.

171.2 – 173.9 LT to med grey HO , pale green/grey HO 171.8 – 172.1 ē 10cm garnet mottled C/S; 10cm DK SK @ 172.7

173.9 – 174.2 DK SK

174.2 – 175.5 LT grey/green C/S ē 15% garnet mottles.

175.5 – 175.9 med grey HO

175.9 – 176.2 garnet mottled LT. SK , garnet vns (some vns contorted)

176.2 – 177.4 [illegible] LT & DK HO ē 10% LT SK. 15 cm DK SK @ 177.3

177.4 – 177.8 LT. grey HO. 2 cm [illegible] @ 177.8

177.8 – 178.6 grey/green garnet mottled c/s – SK garnet 10% dissem, vns & lenses.

178.6 – 179.1 pale SK; 5 cm garnet lens @ 179.0

179.1 – 180.1 LT. grey HO; pale green HO SK 179.9 – 180.1

180.1 – 180.8 bleached green SK., darker SK on numerous garnet vns.

180.8 – 182.3 pale grey/green HO. 7cm LT SK @ 182.2. 3cm Qtz vn @ 180.9; 5cm qtz vn @ 182.3

182.3 – 184.1 LT. SK [illegible] 10cm [illegible] 5cm Qtz. 3cm garnet band @ 184.1

184.1 – 185.1 med grey HO ē 20% pale green HO SK.

185.1 – 185.5 med grained DIORITE ē bleached vns.

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AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- ____

SHEET ____ OF ____

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2		Tot Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.		
	HO / LT							55393		.12	.072		.074	5	5	8	–		–	tr	10	4.0	–		
	LT							94		.08	.078		.080	4	2	11	2			tr	11	5.0	tr	tr [illegible]	tr Zn
				9	50			95	2	.20	.096	3	.098	4	11	10	3			tr	6	30.	tr		
	DK g. / HO / DK.			8	70			96	tr	.12	.011	.08	.014	2	2	3	–	80	.5cm 20	tr	8	20.0	–	tr	Zn
	HO / CS			6	50			97	.01	.10	.044	.08	.046	5	5	15	–	80	20	.5	9	7.0	–	tr	Zn
				8	50			98	.01	.04	.048	tr	.050	4	7	3	–	90	10	.2	9	5.0	-	tr	Zn
	DI			16	8			99	tr	.02	.081	tr	.082	3	3	7	–	100	–	.5	9	–	–		
208				27	45+	90		55400	.01	.04	.070	tr	.070	–	6	3	–	80	20	.3	8	–	–		
210	DK / DOL / DI			20	20	60		55401	tr	.02	.026	tr	.026	–	2	2	–	80	20	tr	2	tr	–		
212				14	50+	100		55402	.02	.10	.066	.02	.068	3	11	13	–	80	20	tr	2	8.0	–		
214	DK g.			9	55	100		3	.02	.10	.120	.1	.122	2	9	25	–	80	20	tr	4	8.0	–		
216				10	45	100		4	.02	.08	.107	.05	.110	4	11	15	–	90	10	tr	2	10.0	–	tr	Zn
218				6	48	100		5	tr	.04	.071	.01	.074	1	3	5	1	90	10	.5	2	4.0	tr	tr	Zn
220	DK g.			8	46	100		6	.01	.06	.056	.01	.058	2	7	6	–	100	–	.5	2	3.0	tr		
221.7 END. 222	HO			5	32	100		55407	.01	.10	.136	.2	.138	3	6	5	2	80	30cm 20	tr	2	6.0	tr		

NOTES

185.5 – 185.0 DK SK. [illegible]
Sch. 185.25 – [illegible]
[illegible]
185.5 – 187.0 LT HO
187.0 – 187.5 LT SK, garnet mottled
187.5 – 188.3 LT HO
188.3 – 188.9 DK SK. [illegible] 20% garnet mottles.
188.9 – 189.7 bleached [illegible]
189.7 – [illegible] DK HO
[illegible] [actual unit may be thinner]
[illegible] 2cm [illegible]
197.0 – 197.7 med. grey HO [illegible]
197.7 – [illegible] grey/green [illegible] garnet vns.
[illegible]
197.2 – 199.4 LT. Brown SK w 60% garnet. 65cm dissem. Powell. & minor Sch. 198.35 – 199.2
199.4 – 199.8 med grey HO
199.8 – 200.1 60% garnet SK. 3cm LT SK @ 200.05.
200.1 – 201.6 med grey HO, w 10% garnet bands to 5cm. 5cm bleached HO lens w garnet vns & garnet borders on Qtz vns.
201.6 – 202.3 LT. grey/green mottled c/s w numerous garnet vns. 10cm dissem. Sch & Powell @ 201.6. 1cm Qtz - py vn ~ parallel to core axis @ 202.0. 10cm LT SK @ 202.3 contact w Diorite.
202.3 – 208.0 med to coarse DIOR w plag x to 3mm. Includes felsic phases to 30cm (25%). 15cm HO mel. @ 206.9
208.0 – 209.3 10% recovery. Garnet SK, DI fragments.
209.3 – 209.7 dolomite shattered
209.7 – 210.1 DIORITE. 10cm DK SK on lower & upper contacts.
210.1 – 216.8 garnet skarned, mottled grey-green c/s garnet 20%

END OF HOLE @ 221.7

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 6
SHEET 8 OF

DEPTH METRES	1:200 GRAPHIC LOG					% REC.	ASSAY INTERCEPTS	ASSAY DATA						VEINS						% MODE W		MINERALS							NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS			SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2			QTZ.	SCH.	POWEL.	FLUOR.			VEIN	DISS.	Py	MoS_2	Garnet	Fluor.				

216.8 – 219.3 med. grey HO. massive. 3cm garnet @ 217.8
219.3 – 221.1 grey/green garnet mottled c/s skarn, w numerous garnet vns. grey green LT.SK 220.8 – 221.1 dissem. sch & powell. 220.3 – 221.1
221.1 – 221.7 DK grey-green HO SK. w 5% garnet bands.

091100

60.0019
131.6127

DIAMOND DRILL RECORD - LOGTUNG

Hole Number LT 77-7

Co-ordinates 305W
500N

Collar Elevation 1602M

Total Depth 363.3 M

Depth Casing 4.8 M.

Depth Overburden 4.8 M

Core Size NQ

Bearing at Collar Vert

Dip at Collar Vert

Commenced Drilling Sept. 1

Completed Drilling " 16

Section

Logged By Van Dyk 31

Drilling Contractor E.Caron Diamond Drilling

SURVEY SUMMARY

Depth	Dip	Bearing	Method
		063°	

PERTINENT ASSAY DATA

188-214 –

Interval		WO_3 %
214 - 244	30 M	.10 WO_3 .103 MoS_2
244 - 314	70 M	.171 WO_3 .075 MoS_2

PERTINENT GEOLOGY

Interval	Rock Type or Structure

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 7
SHEET 1 OF 12

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	[illegible]	Tot Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	VEIN (% MODE W)	DISS. (% MODE W)	Py	MoS_2	Garnet	Fluor.		NOTES
																									0-5.0 casing. Fragmented grey/green HO (DK) w limonite #.
2																									5.0-5.6 Strongly [illegible] gwke: strong bleaching on vns & #. Small lenses of DK SK [illegible] in sulfide vns/lenses. Several 2mm garnet bands w DK SK borders. [illegible] Qtz vn @ 5.5 / w 2mm branching vnl w [illegible] borders.
4								55408	tr	.02	.027	tr	.028							.8	tr	-	-	[illegible]	
6	gwke HO																								5.6-6.4 massive gwke. 2mm Qtz vns @ 5.7 & 5.9. 5cm DK SK @ 6.2. 20% Qtz vns 5.9-6.0 w strong bleaching & [illegible]. Sulfide vns 1mm throughout.
8				[illegible]	50	10		55409		.02	.025	[illegible]	.026	2	4	[illegible]	-			[illegible]	[illegible]	-	-		6.4-7.0 contorted sub-gwke to HO. Minor SK. on vns. Sulfide lenses & vns.
10				6	50+	[illegible]		55410	tr	.08	.04	tr	.048	[illegible]	2	4	-	90	10	.5	3	-	-		7.0-8.2 Fragmented limonite stained HO. Contorted bedding.
12	grey / green			16	50	[illegible]		11	[illegible]	.05	.036	[illegible]	.03	1	2	3	-	100	-	[illegible]	-	[illegible]	-		8.2-17.1 Interb. contorted HO w 2% Qtz/garnet bands to 5 cm. Strong bleaching on vns & #. Pyrite in lenses vns & ff. HO becomes DK green towards 17.1
14	1			33	41	[illegible]		12	tr	.05	.023	tr	.026	[illegible]	2	4	-	100	-	.3	-	[illegible]	-		17.1-21.1 DK. green HO. w strong bleaching on vns & #. 5cm garnet @ 20.1; several small garnet & sulfide lenses.
16	HO			37	50+	[illegible]		13	tr	.03	.016	tr	.02	2	2	3	-	100	-	.2	-	[illegible]	-		21.1-29.4 Strongly #. Limonite stained HO. DK HO. w bleached vns where recognizable.
18				9	50	[illegible]		14	tr	.05	.041	tr	.044	-	5	4	-	90	10	.2	3	.5	-	tr chalc's tr Zn	29.4-31.4 med grey/green HO, strongly bleached vns & #. 10% lim. stained #. 5cm DK SK @ 30.9
20				11	48	[illegible]		15	tr	.02	.034	tr	.036	1	3	5	-	90	10	.1	3	.4	-		31.4-32.1 med grey/green HO. Strong bleaching on vns & #
22				50+	↑ Badly #	60		16	tr	.04	.016	tr	.024	1	3	4	-	100	-	.2	1	.2	-		32.1-32.9 DK grey/green HO. bleached vns & #
24				50+		80		17	tr	.04	.002	-	.012		1	0		100	-						32.9-33.6 LT. SK. w 15% DK HO bands/lenses.
26				50+		80		18	-	.01	<.001	-	.014		-	-		-	-	Lim Stained core.		highly #			
28				50+		60		19	[illegible]	.03	<.001	tr	.008		0	3		-	-						
30				50+	↓	80		20	tr	.04	.008	tr	.02		3	2		100	-						
32				21	45	100		55421	.01	.13	.065	.02	.074	3	5	9	-	100	-	.2	6	tr	-		

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 7

SHEET 2 OF

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	est % [illegible]	total Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.			VEIN	DISS.	Py	MoS_2	Garnet	Fluor.
	green HO				50+			55422	.02	.06	.024	.01	.026	3	14	7	–			90	10	tr	3	tr	–
								23	tr	.05	.02	tr	.026	6	3	2	–			100	–	tr	0	.5	–
								24	tr	.04	.006	.01	.012	4	2	6	–			100	–	tr	1	.3	–
								25	tr	.06	.012	.01	.03	4	1	7	–			100	–	tr	1	tr	–
				11				26	tr	.07	.014	.04	.024	1	3	7				50	10 cm 50	tr	0	2.0	–
	LT. green SK			7				27	.01	.07	.002	.03	.02	5	7	23				100	–	tr	0	10.0	–
				13				28	tr	.09	.003	.03	.01	2	3	26	–			100	–	tr	0	9.0	–
								29	tr	.08	.001	.07	.008	2	2	19	–			100	–	tr	0	6.0	–
								55430		.1	<.001	.07	.022	–	1	18	[illegible]	[illegible]		100	–	tr	0	2.0	–
				11				31	.01	.06	.002	[illegible]	.03	–	5	31	–			[illegible]	–	tr	0	1.0	–
				13	50+			32		.06	.002	[illegible]	.014	2	2	27						tr	0	3.0	–
				12	50+			33		.05	.005	[illegible]	.03	7	2	28				[illegible]	–	tr	0	6.0	–
	DK Px SK			16	50+			34		.14	.062	.08	.104	–	3	17	–			90	40 cm 10	.2	3	6.0	–
	gar SK			27	48			35	.01	.08	.006	.06	.014	10	7	13	–			90	10	tr	0	6.0	–
				17	47			36	.05	.18	.002	.2	.026	2	5	9	–			30	180 cm 70	tr	0	20.0	–
				15	50+			55437	.06	.18	.002	.3	.058	1	13	38	–			20	180 cm 80	tr	0	20.0	–

NOTES

[illegible] - 37.6 pale green HO SK, [illegible] banded w 30% DK green HO
3 cm marble @ 37.7 Qtz [illegible] to 4 cm ~4% (some [illegible] garnet lenses)

37.6 - 49.2 LTG.SK, contorted [illegible] Qtz vns [illegible] bedding to 10 cm ~10%. Garnet lenses [illegible] Qtz [illegible] 6 cm marble @ 40.7 10 cm dissem. Powell @ 40.9

49.2 - 56.2 LTG.SK ; [illegible] garnet vns [illegible] (garnet ~ 20%)
10 cm DK SK @ 55.7 . Qtz vns to 2 cm

56.2 - 57.1 DK SK contorted 3 cm DK HO @ 56.2 . 10% garnet [illegible] . Dissem Powell 56.4 - 56.8

57.1 - 67.5 LT Garnet SK . [illegible] HO 57.6 - 57.8 & 62.1 - 62.3
. 10 cm DK HO @ 62.6 & 64.2 . 10% DK HO bands 64.3 - 64.8
Dissem. Powell & Sch. 60.2 - 62.0 , 62.3 - 64.1 Qtz vns to 2 cm . Qtz lenses to 5 cm [illegible] cm Qtz saturated band @ 58.2

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 7
SHEET ____ OF ____

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2		total Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.
	gar. SK			12		100		55438	tr	.13	.026	.1	.044	8	4	27	–	90	10	tr	3	8.0	–
	LT	75		9	50	100		39	tr	.14	.01	.03	.022	4	2	8	–	100	–	.1	3	5.0	–
	DI HO 15LT			14	60	100		40	tr	.03	.032	tr	.034	2	1	1	–	100	–	tr	2	–	–
	5gar	75		17	70	100		41	tr	.03	.012	tr	.018	–	1	1	–	100	–	.5	2	–	–
	HO 5LT			15	20	100		42	tr	.02	.036	–	.042	1	1	–	–	100	–	.4	3	10	–
	HO			11	40	100		43	0.02	.07	.034	.04	.04	2	3	7	–	100	–	tr	3	3.0	–
	30LT 30DK			20	30	100		44	tr	.07	.03	tr	.044	5	2	1	–	100	–	tr	4	4.0	–
80	gar. SK	65		10	35	100		45	tr	.05	.026	0.02	.038	4	–	7		100	–	tr	4	4.0	–
82	50LT	70		14	25	100		46	tr	.2	.002	0.06	.012	2	2	18		100	–	tr	1	6.0	–
84	HO gar SK			15	25	100		47	tr	.07	.024	tr	.024	3	2	2	–	100	–	tr	2	4.0	–
86	40 LT			12	15	100		48	tr	.12	.002	0.04	.008	3	1	8		100	–	tr	1	6.0	–
88				12	10	100		49	0.02	.2	.008	0.10	.026	4	3	20		100	–	tr	1	5.0	–
90	DK Px SK LT. 10 DK			10	15	100		55450	0.03	.12	.046	0.2	.064	3	3	4	1	20	90cm 80	tr	2	1.5	tr
92	HO			23	32	100		51	tr	.07	.012	0.03	.022	3	2	6	–	100	–	tr	3	1.0	–
94	LT LT			36	40	100		52	.03	.13	.002	.06	.004	2	8	16	–	100	–	tr	0	5.0	–
96	10 gar SK			20	23	60		55453	tr	.17	.012	0.20	.022	2	–	23	–	100	–	tr	0	3.0	–

NOTES

67.5 – 68.9 Lt green SK, probably altered HO as there is ~10% remnant patches of dark grey HO. Garnet rich bands .5 – 4 cm wide.

69.9 – 69.3 v.F.G. dark green DI cut by PF with bleached rims.

69.3 – 72.5 Brown grey HO with 15% LT (SK bands) + 5% garnet SK bands.

72.5 – 75.1 dark grey – brown HO ~ 25% bleached ~5% LT SK bands.

75.1 – 79 Interbanded grey – brown HO, LT green SK (10%) (35%) + lt. garnet SK (30%) bands ~ 1 cm wide. Highly contorted in part.

79 – 82.5 Banded garnet SK, interbanded lt green SK. + garnet SK with ~ 5% brn. HO. Bands 1mm – 1cm wide

82.5 – 83.2 grey HO

83.2 – 88.0 Banded garnet SK, garnet rich bands + LT green SK bands. 84.6 – 84.7 grey HO band.

88.0 – 89.1 DK green Px – Gar. SK. with diss. [illegible] from 88 – 88.9

89.1 – 91.1 – LT green SK with ~ 5% HO + 10% garnet SK band

91.1 – 92.5 – Bleached grey HO crackled + bleached from 92 – 92.5. ~20% LT. gr. SK.

92.5 – 93 – LT. garnet SK, crackled + cemented by cal. vns.

93 – 96.7 LT. green SK, crackled with cal. vns. 2 – 3cm. gar. SK bands. Crackled from 93 – 95.0 95.2 – 95.5 is DK gar. Px. SK. 4cm. cal. vn. 93.6. Crackled 96.0 – 96.7

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LOGTUNG PROJECT

D.D.H. LT-77- 7
SHEET 4 OF

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Est Gar.	Total MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	DISS.	Py	MoS_2	Garnet	Fluor.
96 – 98	LT. 10gar / LT	85		12	35	100		55454	tr	.1	.006	0.10	.022		2	9	-	75	10cm 25			5.0	-
100	Banded			8	21	100		55	tr	.08	.002	0.05	.01	1	1	17		100	-		1		
102	gar.			9	20			56	tr	.12	.008	0.02	.018	2	2	16		100	-	tr	11		
104	SK.							57	tr	.15	.008	.2	.024	3	-	18	-	90	50cm 10	tr	0	4.0	-
106								58	tr	.1	.01	.2	.016	6	1	48		100	-	tr	2	3.0	-
108								59		.12	.032	.1	.04	5	2	22			-	tr	3	.8	-
110	gar-SK / 10%HO							55460		.1	.01	.05	.012	10	1	11	-	100	-	.1	2	2.0	-
112					50			55461		.1	.017		.018	1	2	8				.6	5	.2	-
114	gar. SK / LT.	70		14	55							.04		5		19				1.0	2	1.0	-
116	Dark green HO			12	50			62		.07	.026	.02	.028	2	5	10		90	10	.8	4	-	-
118	LT. 10gar			7	45			63		.15	.028	.1	.032	6	5	24	-	90	10	.8	5	4.0	-
120				15	45			64	tr	.1	.064	.06	.07	3	2	15	-		10	.1	11	1.0	-
122	DK 20%LT			19	41			65	tr	.14	.016	.08	.02	5	3	20		90	10	tr	8	.8	-
124	gar SK			23	50			66	.01	.16	.036	.18	.04	3	4	36		80	20cm 20	.2	6	.3	-
126	green HO	30		10	50			67	.02	.11	.024	.14	.026	6	7	27	-	70	10	.3	4	.6	-
128	20%LT DK			8	40			55468	tr	.17	.046	.1	.05	3	3	16	-	90	10	.1	6	tr	-

NOTES

96.7 - 97.6 LT. garnet SK garnet is in bands & ores. Diss Powell 96.3 - 97.4 in veined garnet SK.

97.6 98.0 LT. green SK.

98.0 - 109.2 LT. garnet SK. % gar ranges from 5 - 90% in same bands. [illegible] dissem. Powell in fracture zone 102.8 - 103.5 [illegible] 106.9 & 107.1

109.2 - 111.9 LT. SK [illegible] DK HO bands [illegible] bands to 5 cm (w [illegible])

111.9 - 113.2 LT. garnet SK - [illegible] Py in fractures [illegible] 112.0 - 115.4

113.2 - 114.3 LT. SK

114.3 - 116.2 DK [illegible] bleached [illegible]

116.2 - 121.4 LT. SK [illegible] 10% [illegible] 10% LT - DK HO

1-2 cm Qtz vns 116.5 - 118.0 [illegible] Py vns [illegible]

121.4 - 123.5 med SK w 30% DK SK 20% LT. c/s. [illegible] cm dissem Sch & Powell. 123.8

123.5 - 125.6 LT. garnet SK [illegible] 124.8 & 125.0

125.6 - 125.8 med SK contorted.

125.8 - 127.5 DK HO/[illegible] 40% [illegible] 20% LT SK 20%

127.5 - 128.1 DK SK contorted

128.1 - 129.0 LT. garnet SK [illegible] Qtz vn [illegible] 129.0

129.0 - 129.4 LT. [illegible] SK

129.4 - 130.4 [illegible]

134.4 - 135.2 DK SK 8% garnet

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SHEET 5 OF

SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2		total MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	VEIN	DISS.	Py	MoS_2	Garnet	Fluor.
55469		.24	.026		.032	6		22	–			.1	5	2.0	–
70		.16	.036		.038	5	5	25	–					5.0	–
71		.10	.012	.1	.016	–		24	–				3	4.0	–
72		.18	.04		.044	3		37	–			.1	8	.4	–
73		.17	.079		.076	5		20	–			.2	9	[illegible]	–
74		.06	.029		.03	6	1	6	–			tr		–	–
75		.14	.098	1	.104	3	3	25	–			.1	10	–	–
76	tr	.09	.034	.03	.038	4	3	13	–	100	–	.2	8	–	–
77	tr	.12	.078	.03	.084	5	3	14	–	90	10	.4	10	–	–
78	.01	.1	.056	.03	.058	3	3	17	1	80	20	.1	8	–	tr
79	tr	.05	.04	.03	.042	3	2	11	1	90	10	.05	5	tr	tr
55480	.01	.13	.04	.1	.044	7	5	24	–	90	10	.1	11	.4	–
81	.01	.15	.038	.18	.04	6	6	39	–	90	10	.3	8	.2	–
82	tr	.12	.06	.16	.066	8	3	36	–	90	10	.1	10	.9	–
83	.01	.1	.074	.14	.078	5	5	28	–	100	–	.1	11	1.0	–
55484	tr	.12	.052	.04	.054	6	2	16	–	90	20cm 10	.1	12	tr	–

NOTES

- 135.2 – 135.9 DK green HO [illegible]
- 135.9 – 136.1 LT. grey HO
- 136.1 – 137.0 DK. SK [illegible]
- 137.0 – 138.0 LT SK
- 138.0 – 140.5 LT. grey HO [illegible] 139.7 – 140.1
- 140.5 – 141.3 DK SK [illegible]
- 141.3 – 142.6 LT SK containing [illegible] @ 141.5
- 142.6 – 144.2 LT HO
- 144.2 – 144.4 Med grey HO
- 144.4 – 144.75 DK. garnet SK
- 144.75 – 146.2 LT to med HO. [illegible] 15% LT HO SK bands
- 146.2 – 146.9 Pale green HO SK. [illegible] of Diorite or strongly altered HO [pyroxene xtals to 15 [illegible]]
- 146.9 – 149.7 bleached HO [illegible] Qtz vn @ 148.2 20% Qtz vns 148.0 – 148.4
- 149.7 – 150.8 pale SK, thin garnet vns.
- 150.8 – 152.2 bleached HO
- 152.2 – 153.3 med. SK grading [illegible] pale SK ~ 152.6
- 153.3 – 159.4 pale to LT HO SK [illegible] 20% bleached HO bands. 20cm dissem. Powell @ 159.3.
- 159.4 – 160.8 med grey HO. 3cm Qtz vn @ 160.3
- 160.8 – 161.4 med. SK
- 161.4 – 162.6 med. grey HO.
- 162.6 – 163.1 med SK.
- 163.1 – 163.9 med grey HO, becomes greenish grey @ ~ 163.7
- 163.9 – 165.6 pale green HO. [illegible] @ contact.
- 165.6 – 169.8 White QTM includes felsic + qtz rich phases. Shear zone 167.5 upper + lower contacts ~ 55° to core axis

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SHEET 6 OF

Depth (metres): 160 – 192. Lith. (1:200 graphic log): HO, DK, HO, DK, HO, green HO, Ø, HO, Ø, HO, DK, Ø, LT, Ø, HO 20LT, LT, 30XO, DI, Ø

Sample No. and Interval	Number of Pieces	Veins	% Rec.	Est. WO_3	% WO_3	% MoS_2		Total Mo as MoS_2	Qtz.	Sch.	Powel.	Fluor.	Py/.. vns	Mode W Vein	Mode W Diss.	Py	MoS_2	Garnet	Fluor.	
55485	8	50	[illegible]	tr	.02	.034	[illegible]	.036	5	2	10	-		[illegible]		.05	6	-	-	
86	10	50	[illegible]		.1	.078		.08	4	2	16	-		[illegible]	-	.1	19	-	-	
87	5	[illegible]			.12	.048	[illegible]	.05	5	3	12	-		[illegible]	-	.2	14	-	-	
88	26	[illegible]			.06	.068		.07	5	1	3	-				tr	14	-	-	
89	25	37			.06	.116		.118	3		2	-				tr	16	-	-	
55490	[illegible]				.08	.04		.042	5		8	-		-		.1	8+	-	-	
91	45	50	90		.16	.076	.04	.078	1	2	14	-		[illegible]		.1	14	-	-	
92	28	50	100		.14	.07		.074	3	1	20	-				tr	12	-	-	
93	25	51	100		.20	.044		.05	2	1	17	-				tr	5	tr	tr	
94	40	50	90		.12	.028		.03	5	3	20	-				tr	6	tr	-	tr [illegible]
95	15	50+	100	tr	.10	.044	.03	.050	3	4	14	—		100	-	.2	10	.3	—	
96	12	50+	100	tr	.11	.016	.1	.022	11	2	22	-		100	-	.1	9	tr	-	
97	25	32	90	tr	.16	.032	.1	.036	6	4	21	-		100	-	.3	6	-	-	
98	40	26	90	tr	.16	.032	.2	.034	8	1	44	-		100	-	.5	8	-	-	
99	14	28	100	-	.04	.068	tr	.07	7	-	3	-	4	-	-	tr	30	-	-	
55500	18	27	100	-	.02	.114	tr	.114	4	-	1	-	11	-	-	tr	42	-	-	

NOTES

169.8 - 169.9 [illegible]
169.9 - 172.0 bleached grey-green HO
172.0 - 172.4 white QMP, [illegible]
172.4 - 177.0 grey to grey-green HO [illegible] shear & shatter zones 20cm BX @ 173.7. [illegible] 175.2 & core [illegible] terminated by fault [illegible] @ 174.3, 174.4 & 174.8, 176.3, 176.6. 25 cal vns [illegible] 176.5 - 177.0
177.0 - 177.15 DK SK.
177.15 - 178.6 white QMP [illegible] 177.9 - 178.2 5cm Qtz vn @ 178.4
178.6 - 179.0 LT HO SK. Qtz vns [illegible]
179.0 - 179.3 white QMP
179.3 - 180.6 pale green HO SK [illegible] 15cm DK HO SK @ lower contact
180.6 - 184.6 pale HO SK; w 20% Qtz to QMP vns/dks to 30cm. 5% DKPSK borders on vns.
184.6 - 188.1 med grained DK green Diorite. BX 185.2 - 185.5
188.1 - 198.0 LT grey to LT green QM [illegible] texture 193.7 - 194.0 [illegible] several large Qtz vns. Vns range from 1mm to 30cm. Qtz [illegible] from 1mm to 2.5cm.
198.0 - 200.8 QMP w Qtz to 5mm. 20 cm shear zone @ 198.7 & 199.5

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* From 212 m: vns previously counted as powellite added to WO_3

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SHEET 7 OF

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2		Total Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	Py/Mo v/c	VEIN	DISS.	Py	MoS_2	Garnet	Fluor.
192								55501	–	.05	.064		.066	2	–	1	–	12			tr	26	–	–
	ø							2		.03	.066	tr	.068	5	–		–	11			tr	25	–	–
						100		3		.02	.102		.104	5	2	6	–	12			tr	22	–	–
				30	44	100		4	tr	.07	.159	tr	.160	–	1	6	–	8	100	–	tr	29	–	–
202	ø Aplite			16	50+			5	tr	.08	.098	tr	.100	–	1	3	–	7	100	–	tr	49	–	–
204				8	50+			6	tr	.12	.108	tr	.110	1	2	6	–	10	30	70	tr	48	–	–
206	ø sil			12	50+			7	tr	.09	.117	tr	.12	1	1	2	–	4	30	70	tr	29	–	–
208	-207- ø			7	48			8	tr	.07	.068	tr	.07	2	1	2	–	5	70	30	.1	29	–	–
210				12	32		x	9	tr	.10	.13	tr	.132	3	1	2	–	7	90	10	tr	24	–	–
212	sil 50ø			17	41			510	tr	.08	.344	tr	.35	6	4	5	–	5	100	–	tr	23	–	–
214								1	.02	.12	.068	*	.070	3	8	*	–	7	80	20	tr	20	–	–
216	Apl.			40	26	100	.144 MoS_2 / .08 WO_3	2	.01	.07	.100		.1	2	6		–	4	100	–	tr	20	–	–
218			[fault symbol]	23	46	100		3	.03	.10	.138		.14	6	6		–	massive cer.	100	–	.5	46	–	–
220				9	48	100	x	4	–	.02	.069		.07	4	0		1	tr	–	–	.4	45	–	tr
222				20	50+	100		5	tr	.03	.145		.146	4	2			massive ces	–	–	tr	53	–	–
224	ø			19	28	90		55516	–	.02	.082		.082	3	–				–	–	tr	41	–	–

NOTES

200.8 – 205.3 applitic QMP, locally porphyritic.
205.3 – 208.8 QMP, w Qtz to 2mm. predominantly white to Lt. grey
208.8 – 211.0 massive Qtz w 10–20% white & Lt green QMP bands.
211.0 – 212.6 50% Qtz, 50% QMP (Lt. green)
212.6 – 212.9 Lt green QM w 50% Qtz (applitic)
212.9 – 217.0 Lt grey/green (applitic) QMP, locally porphyritic. Fault zone 214.7 – 215.2 and 216.6 – 216.8 in cerussite rich zone
217.0 – 221.5 Lt grey/green QMP, applitic. Crackle zone 217.1 – 217.8 Darker green QMP 219.2 – 219.6. Strong Cerussite zones @ 217.1 – 217.8, 218.4 – 218.6, 220.3 – 220.7, 221.1 – 221.4
221.5 – 226.7 porph QMP. Several Shear zones 222.5 – 224.5 3cm Ho fragment @ 226.1. QMP darker towards Ho contact.

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SHEET 8 OF ____

LITH.	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Powell est %		QTZ.	SCH.	POWEL.	FLUOR.	Mpd	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.
Ø	20	32	100		55517	tr	.08	.064	–	.066 ~~.082~~	1	2	–	–	13	100	–	tr	39	–	–
Ø BX	26	50+	[illegible]	.072 / .06	18	0	.13	.069	.03	.072 ~~.066~~	1	0	12	–	1	–	–	.2	10	–	–
HO	24	50+	[illegible]	x	19	tr	.06	.028	.01	.028 ~~.072~~	4	1	7		-	100	–	.2	6	-	–
DK HO DK	17	50+	[illegible]		55520	tr	.20	.095	.04	.098 ~~.028~~	3	3	19		–	80	20	.3	4	-	-
Ø Apl.	25	50+	70		55521 232-236	tr	.12	.103	[illegible]	~~.098~~	4		11	–	12	90	10	.1	32	–	–
				[illegible]		tr	.20	.370	.02	.106	4	1	–	–							
HO; 10PK 15gar 15LT	[illegible]	55	100		55522	tr	.22	.129	.12	.376	3	2	39	–	9	[illegible]	–	.1	31	–	–
	25	55+	100		55523	–	.07	.061	.1	.130	3	–	12	–	3	–	–	.1	21	.7	–
Ø Apl.	21	47	100	x	24	–	.10	.058	–	.062	–	–	–	–	8	–	–	tr	31	–	–
	26	45	100		25	–			tr	.06	4	-	1	–	9	–	–	tr	30	–	–
HO LT HO	24	32	60	.052 / .351	26	tr	.20	.089	tr	.092	3	1	2	–	–	100	–	tr	11	-	–
HO	15	46	100		27	tr	.55	.058	tr	.064	11	2	7	–	–	100?	–	tr	13	–	–
DK	21	50+	100	x	28	.01	.58	.068	.12	.072	6	5	26	–	–	100	–	.2	10	.2	–
HO	21	50+	80		29	–	.06	.054	.02	.056	–	–	12	–	–	–	–	.2	10	.2	–
DK SK HO Apl.	27	50+	80		30	tr	.15	.040	.02	.044	2	4	12	–	–	100	–	.3	10	6.0	–
DK	16	45	100		31	.01	.28	.082	.15	.088	8	4	20	–	–	100	–	15	40	tr	–

NOTES

226.7 - 227.6 DK green HO SK, Bx w QMP matrix. 2mm py vn @ 227.4 lower contact w HO fragmented

227.6 - 230.0 med grey HO.

230.0 - 230.9 Contorted DK SK., 5cm Qtz lens @ 230.2 10cm Qtz band @ 230.4. 10cm contorted LT. HO. @ 230.5.

230.9 - 231.2 Med. HO.

231.2 - 232.7 Contorted DK SK w 10% DK HO @ lower contact. minor garnet lenses.

232.7 - 237.4 appl QMP w minor porph. 10cm darker QMP @ 232.7 contact.

237.4 - 239.7 interb DK SK 10%, LT HO SK 60%, med garnet SK. 15%, LT garnet SK 15%. 2cm QMP @ 239.5.

239.7 - 240.0 applitic QMP, porph. @ 240.

240.0 - 244.15 White to Lt green QMP (applitic, w locally porph) Shear zone @ 240 -

244.15 - 244.5 DK HO contact @ 32° to core axis.

244.5 - 246.0 LT SK/cal crackle zone

246.0 - 246.3 DK HO SK w 40% Qtz vns.

246.3 - 246.5 White QMP. contacts 60° to core axis.

246.5 - 249.8 med grey/green HO. Qtz vn 5 6cm. Qtz Stock work 247.5 - 247.8.

249.8 - 250.0 DK SK 3cm Qtz vn ⊥ core axis @ 249.6

250.0 - 252.0 med. HO; 5cm DK SK @ 250.7 3cm Calcite bx // core axis @ 250.1 garnet vns to 15mm @ 251.8 - 252.0

252.0 - 253.5 LT. garnet SK., numerous garnet vns.

253.5 - 253.7 DK HO 50% DK SK 50%.

253.7 - 254.1 fg applite 5cm DK HO @ 254.1

254.1 - 254.6 Course applite.

254.6 - 257.4 DK SK contorted

257.4 - 258.8 pale grey/green HO; 1cm calcite vn // core axis @ 258.2

258.8 - 259.3 DK HO.

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 7
SHEET 9 OF ____

Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2			Veins Qtz.	Sch.	Powel.	Fluor.	Py/Sch	% Mode W Vein	Diss.	Py	MoS_2	Garnet	Fluor.	
55532	tr	.13	.142	.06	.148	1	tr	14	-		100	-	.1	16	-	-	
33	tr	.05	.038	.02	.040	3	2	10	-		100	-	.2	14	tr	-	
34	-	.05	.045	tr	.046	-	0	1	-		-	-	.1	4	-	-	
35	-	.03	.022	tr	.024	2	0	3	+		-	-	.2	7	-	tr	
36	tr	.24	.018	.1	.024	3	1	17	-				.2	9	-	-	
37	tr	.12	.128	.03	.130	5	2	11	-				.3	19	-	-	
38	tr	.05	.078	.06	.080	3	4	9	-				.2	16	.3	-	
39	tr	.18	.156	tr	.158	-	4	2	-	6			.3	21	-	-	
55540	-	.03	.110	-	.112	3	-	-	-	5	-	-	tr	33	-	-	
41	-	.03	.066	-	.068	-	1	-	-	8	100	-	tr	17	-	-	
42	-	.06	.088	-	.090	4	-	1	-	7	100	-	tr	20	-	-	
43	tr	.12	.158	tr	.160	4	1	1	-	9	100	-	.2	41	-	-	
44	.05	1.06	.102	tr	.106	4	1	4	-	[illegible]	100	-	1.5	18	1.5	-	
45	tr	.07	.038	tr	.040	11	1	4	-	-	100	-	1.5	8	tr	-	
46	tr	.15	.104	.1	.108	11	2	25	-	-	100	-	.4	16	1.0		
55547	tr	.13	.076	.02	.080	8	1	7	-	-	100	-	.1	8	2.0		tr chal 6

Graphic log (lith.): DK, HO, DK, Garnet SK, HO, LT, Bio. Apl., Bio Ø, HO, 10SK, DK, LT, DK, LT, Ø

Assay intercepts: .071 MoS2 / .13 WO3; .058 MoS2 / .13 WO3; .116 MoS2 / .08 WO3; .090 MoS2 / .30 WO3

NOTES

259.3 – 260.9 LT grey/green HO.
260.9 – 265.0 med grey HO w 10% LT green HO. 5cm DK SK w garnet @ 264.7
265.0 – 266.0 DK SK. 10% DK HO bands.
266.0 – 266.4 LT. garnet SK.
266.4 – 266.5 LT. HO SK or vns.
266.5 – 266.9 Qtz vn.
266.9 – 267.1 LT SK.
267.1 – 269.1 LT HO.
269.1 – 269.9 LT. garnet SK. 5 cm DK HO @ 269.3
269.9 – 275.0 LT green aplitic QMP. w 10% bands DK HO @ upper contact. [illegible] – QMP.
w ~1% small 0.5mm biotite. Py [illegible] in irregular patches to 275.
Good MoS2 – qtz [illegible]. Qtz MoS2 [illegible] CF to 7mm, ave 1–2 mm. [illegible] the qtz py [illegible] vns. [illegible] Several MoS2 [illegible] FF. A 12mm [illegible] qtz [illegible] scheelite vn at 280.3 cuts a 2mm MoS2 qtz vn. [illegible] MoS2 [illegible] at edge & qtz scheelite vn!
272.1 – 272.5 [illegible] @ 45° CA. [illegible]
274.9 – 274.7 QMP ~ 7% qtz [illegible] 1–2mm [illegible]
275.0 – 280.3 Start to get ~5% 1mm qtz phenos in the aplite.
280.3 – 281.3 (50% core lost) Lt garnet SK
281.3 – 284.1 DK to DK green HO. 10% LT HO. 10% LT & DK SK.
3cm Qtz vn @ 282.2. Qtz vns & lenses w DK SK @ 283.4. 5cm Py/Sch/ber vn @ 281.6 (~25° to core axis) w 20 cm fine #2m Sch. 2cm Py vn @ 282.4., several Py vns 1-2mm.
284.1 – 284.4 DK SK., contorted.
284.4 – 285.2 LT. garnet SK.
285.2 – 285.4 DK HO.

DD-11

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 7

SHEET 10 OF ____

1:200 GRAPHIC LOG (Depth metres 290–320)

Depth marks: 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320

Lith.: DK; Ø; Felsite; Ho-30%LT; Ho; Felsite; LT 30%Ho; DK; vn. gar. SK; Ho; 10%LT; LT; Ho; Ø; vn gar SK; Ho 30%LT; DH; LT; gar SK; Ho; vn gar SK; DK; 10%LT; gar SK; Apl. B. Q Porph.

Bedding: 40; 75; 80°

Number of pieces	Veins	% Rec.	Assay intercepts	Sample No. and interval	Est. WO_3	% WO_3	% MoS_2	% at Powell		Qtz.	Sch.	Powel.	Fluor.			% Mode W Vein	% Mode W Diss.	Py	MoS_2	Garnet	Fluor.			
7	50	90	x	55548	tr	.07	.128	.03	.130	8	1	12	–		–	100	–	.2	15	tr	–			
21	50	90		49	tr	.07	.078	tr	.070	13	1	3	–			100	–	13 vns	20	0.5	–			
9	60	100		50	tr	.01	.033	-	.034	15	1		–			100		5 v.	4	–	–			
12	45	100	.083 MoS2 / .08 WO3	55551	tr	.03	.046	tr	.048	12	1	4	–			100	–	10 v.	7	–	–			
8	75	100		52	tr	.16	.032	.03	.036	16	1	16	–			90	20	13 v	4	4.0	–			
8	100	100	x	53	tr	.15	.022	.03	.028	7	2	15	–			100	–	10 v	1	8.0	–			
15	25	100		54	tr	.27	.034	.13	.044	9	4	29	–			100	–	8 v	3	4.0	–			
17	45	100		55	.02	.30	.038	tr	.040	6	2		2					10 v	5	–	2 v			
9	40	100		56	tr	.09	.058	tr	.060	6	2		–			100	–	16 v	4	–	–			
6	80	100	.051 MoS2 / .19 WO3	57	tr	.12	.074	.07	.080		2	20	–			100	–	17 v	5	5.0	–			
8	50+	100	x	58	tr	.18	.052	.07	.056	4	2	17	–			90	10	.3	8	3.0	–			
7	50+	100		59	.01	.15	.103	.1	.106	10	8	22	–			90	10	.3	8	tr	–			
11	50+	100		55560	tr	.08	.052	.1	.054	3	4	14	–			90	20 cm 10	.2	9	.3	–			
10	50+	100	.092	61	.01	.25	.073	.08	.078	12	6	19	–			100	–	2.0	14	3.0	–	1%	magnet.	
10	50+	100	.19 WO3	62	.01	.43	.176	1.5	.182	4	5	39	–			80	20	4.0	8	3.0	–	3% / 1%	magnetite / dissem MoS2	
9	19	100		55563	–	.04	.056	–	.060	1	–	–	–	3		–	–	tr	7	–	–			

NOTES

285.4 – 286.25 DK SK, 20% Qtz lenses, 5 cm Qtz vn @ 286.1

286.25 – 287.1 Lt garnet SK, 5-10% QHP vns to 1.5 cm

287.1 – 287.9 QHP. w massive Qtz. 5 cm SK band @ 287.7

287.9 – 288.2 DK garnet SK

288.2 – 289.6 QHP. smokey Qtz pheno's. 10% SK lenses.

289.6 – 289.9 grey QHP – Qtz flooded.

289.9 – 291.4 White aphanitic felsite cut by ~10% q.vs up to 3 cm wide. Felsite cut by s.o. of narrow MoS2 vns. Contact w HO sharp.

291.4 – 292 HO w ~30% LT. SK bands.

292 – 294.9 Brown HO 2 – 2.5 cm qvs. 1 – 6 cm cal. vn. at 294.5.

294.9 – 295.4 felsite white w MoS2 stockwork.

295.4 – 296.5 LT cherty SK w 30% LT grey HO bands.

296.5 – 297.3 DK green Px. SK w 5-7% gar.
15 cm qtz spar vn at 297 w tr MoS2 Po + Py.

297.3 – 301.1 Mid green SK. w intense stockwork of garnet vns. (2/cm) section contains ~ 12% gar.
at 301 – qtz px vn w tr Cp. + Epidote

301.1 – 304 Med grey HO w ~ 10% LT. SK.
@ 302.6 2 cm. c.g. qtz-Fluorite scheelite vn. cuts a g.v. 8 mm scheelite v.l. cuts off a MoS2 vn.

304 – 304.8 LT green chert SK.

304.8 – 305.3 LT to mid green HO

305.3 – 306.5 Grey qtz eye? porph. w great 2 qtz Mo vns. + 3 qtz vns ie very weak veining compared to HO, SK + Felsite sharp contact top & bottom.

306.5 – 308.5 Mid green veined garnet SK. at 307.1 a 6 cm qtz vn w ~ 7% f.g. diss "powellite" + .5 diss MoS2

308.5 – 309.1 Med HO w 30% LT SK 2 cm QHI vn @ 308.7

309.1 – 310.5 DK SK, saturated w Chl. VNS. 5 cm QTZ vn @ 309.3

DD-11

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77-7

SHEET 11 OF ____

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	% low cut		VEINS: QTZ.	SCH.	POWEL.	FLUOR.			% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.				NOTES
320																													
322	B. Qtz. porph.			7	13	100		55564	LV	.03	.051	LV	.054		1	1				100	–		4	–					$\bar{w}$ 1cm QMP vn // core axis $\bar{w}$ MoS_2 borders; QMP ends in Qtz vn @ 209.8 $\bar{w}$ QMP phases. 2-5cm QMP vns @ 210.2 & 310.4.
324	DK			7	50+	100		65	.01	.12	.055	.04	.058		4	19				100	–		8	.5	–				310.5 – 311.3 LT. SK to med. SK.
326				9	50+	100		66	.01	.11	.030	.01	.034		5	20				100	–		5	–	–				311.3 – 312.5 LT garnet SK. 5cm DK HO @ 312.4. Section includes 10% DK SK.
328	DI bleached			10	50+	100	.050 MoS_2 .11 WO_3	67	LV	.15	.048	.03	.054		2	14				100	–	.6	4	2.0	–				312.5 – 313.9 LT to med HO 10% LT SK bands. 3cm QMP lens @ 313.5. 20 cm diasom. fault @ 312.4
330				24	35	100	X	68	LV	.16	.066	.03	.070		1	17				100	–	.2	3	–	–				313.9 – 315.1 LT. green garnet vn SK. 5mm Qtz/Py/chl vn // core @ 314.0, 1.5cm vn similar but $\bar{w}$ massive MoS_2 @ 314.6
332				30	49	90		69	LV	.07	.060	.01	.062		2	7				100	–	.2	14	–	–				315.1 – 317.0 pred. DK SK $\bar{w}$ 2% LT SK. 2 cm QMP vns @ 315.2 & 315.3 cut by Py/chl. vns. 5 cm Qtz/QMP vn @ 316.8 cut by chl & Qtz/chl/py/fluor. vns. & Qtz/MoS_2 vns. 2cm Py/MoS_2 vn @ 316.2
334				32	50+	90		55570	.02	.13	.068	LV	.052		2	9	1			70	30		4	–	–				317.0 – 317.4 garnet vn/LT garnet SK.
336				30 22	18 50+	90 90		71	LV	.14	.025	LV	.028		–	2	5			100	–		5	–	–				317.4 – 317.9 high silica applite to Qtz $\bar{w}$ dissem. MoS_2 (2%) & MoS_2 lenses. 3 cm DK garnet SK $\bar{w}$ MoS_2 borders. 10 cm DK SK @ 317.9
338				20	53+	90	.069 MoS_2 .19 WO_3	72	.03	.40	.087	.02	.090		2	2	10			100	–	.1	9	–	–				317.9 – 322.3 biot QMP prey applite to 320. Qtz phenos to 2mm 320-329
340				14	50+	100	X	73	LV	.20	.104	.01	.106		2	7				100	–	.1	9	–	–				322.3 – 322.5 DK SK $\bar{w}$ 5% garnet
342				12	50+	100		74	.02	.12	.196	.03	.198		7	14				100	–	1.0	8	–	–				322.5 – 322.8 LT green felsite
344				16	50+	100		75	.01	.08	.038	.03	.040		5	19				100	–	1.0	8	–	–				322.8 – 325.2 LT. SK. 70% med/DK HO 10%, garnet SK & garnet bands 10% DK SK 10% Chl vns 323.0-323.3 2 cm Qtz/chl/py vn @ 323.0 Qtz lenses @ 323.7.
346				5	46	100	.111 MoS_2 .12 WO_3	76	.01	.09	.143	.03	.144		6	4	15			100	–	1.2	12	–	–				325.2 – 327.0 LT. garnet/garnet vn SK DK SK 10cm @ 326.2. 20cm biot. QMP 326.2 – 326.4
348				5	48	100		77	.01	.16	.091	.06	.092		8	4	24			100	–	1.2	8	–	–				327.0 – 328.6 LT. green bleached Diorite $\bar{w}$ chl. vns. 11cm Qtz vn w DK DI borders @ 328.6
350	Felsite			6	50	100	X	78	.01	.15	.087	.1	.088		5	5	35			100	–	1.0	8	–	–				328.6 – 329.8 DK. green DI.
352				4	42	100		55579	LV	.10	.107	.01	.108		5	1	7		0	100	–	LV	20	–	–				329.8 – 345.3 LT green to LT grey bleached DI $\bar{w}$ 10% DK DI phases & vn-lets 5cm chl. lens @ 333.8 5cm Qtz/green fluor. lens @ 332.5 5cm Qtz vn @ 337.8; 5cm Qtz/MoS_2 vn @ 338.5; HO/SK fragment incl. 344 – 345.3 345.3 – 350.1 bleached DI grades into DK DI @ 345.3. DK DI contains 15% green bleached DI. 10 cm Qtz/MoS_2 vn @ 347.5.
																													350.1 – 354.5 White aphanitic felsite. Large DI fragments 50% 353.0 – 354.3. 5 cm biot QMP @ 353.1

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 7

SHEET 12 OF

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS		% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2			QTZ.	SCH.	POWEL.	FLUOR.			VEIN	DISS.	Py	MoS_2	Garnet	Fluor.			
	Fel.			7	32		100		55580		.06	.087	.02	.088	7	2	10	-					.1	21	-	-			
				8	50+		100		81		.19	.079	.05	.080	7	6	23	-				↑	.4	10	-	-			
	DI			5	44		100	.083 MoS_2 / .14 WO_3	82		.18	.074	.08	.076	5	4	28	-				fine dissem (bull)	.3	9	-	-			
	~60% bleached			18	50+		100	×	83		.17	.067	.07	.068 *	6	4	23	—				-	.6	9	-	—			
				25	46		100	.058 / .28 WO_3	84		.35	.044		.048	2	6	13	1					1.0	5	-	tr	15% beryl		
363.3 (END)	LT DI green? END			9	38		100	×	55585		.20	.072		.074	2	8	4	1			10?	- ↓	.2	8	-	tr			
									END OF HOLE 363.3																				

NOTES

354.5 - 362.5 DI: bleached 60%, DI 40% 20 cm felsite @ 361.0 1 cm py vn @ 362.0, several py vns to 5 mm. throughout

362.5 - 363.3 Lt. green bleached DI.

60,0055
131.6083

091100

DD-11

DIAMOND DRILL RECORD - LOGTUNG

Hole Number LT 77-9

Co-ordinates 565W
895N

Collar Elevation 1497 M

Total Depth 191.1 (627')

Depth Casing 25.6

Depth Overburden ~13.7

Core Size N.Q

Bearing at Collar 160°

Dip at Collar -70°

Commenced Drilling Sept 4

Completed Drilling Sept 17

Section

Logged By Wim Van Der Poll

Drilling Contractor E.Caron Diamond Drilling

SURVEY SUMMARY

Depth	Dip	Bearing	Method
612'	72°	167°	Sperry-Sun

PERTINENT ASSAY DATA

Interval	WO_3 %

PERTINENT GEOLOGY

Interval	Rock Type or Structure

DD-11

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77-9

SHEET 1 OF 6

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	oz/ton est	total/ft eq MoS_2	VEINS: QTZ.	SCH.	POWEL.	FLUOR.	% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.	NOTES
0																								0 - 13.7 HO, Lim stained. MoS_2 on #. WO_3 Powell in fragments
2																								
4																								
6	HO																							
8								55950		.21	.034		.038											
10								0-14m																
12						↓																		13.7 - 14.0 DK SK. W zon garnet band MoS_2, WO_3 Powell
14	DK					14																	MoS_2, Powell, WO_3 in fragments	14.0 - 15.3 LT HO
	HO							55949																15.3 - 15.9 DK SK W Lt Sch bands
16	DK					20		14 - 18.5		.10	.016		.018											15.9 - 26.5 LT HO
																								End casing @ 19.1
18						22																		
20																								
22	HO																							
								55948																
24								18.5 - 28.0		.12	.040		.042											
26																								26.5 - 29.0 Fg DI
																								29.0 - 30.3 LT HO [illegible]
28	DI			39	44				lt			.01		3	3	5	1	100	—	.1	2	—	lt	30.3 - 31.9 bleached [illegible]
								47	lt	.09	.039	.01	.040	2	4	8	1			.1	8	—	lt	31.9 - 32.0 Fg DI [illegible]
30	HO			27	50																			
							X											1.50m X-cuts						
32	DI			23	44	100		55446	.01	.0	.023	.02	.024	3	3	12	3	100	—	.2	9	—	lt	

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 9
SHEET 2 OF

1:200 GRAPHIC LOG — LITH. (top to bottom): DI, HO, DI, Marble, DI, HO, LT, HO 5% LT 5% gar., CS, HO, CS, HO, CS, HO, DK, LT

Bedding: 45, 45. Faults: 45.

Depth metres: 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64

Number of pieces	Veins	% Rec.	Assay intercepts	Sample No. and interval	Est. WO_3	% WO_3	% MoS_2	% ox'w est	Total Mo as MoS_2	Veins: Qtz.	Sch.	Powel.	Fluor.	% Mode W: Vein	Diss.	Minerals: Py	MoS_2	Garnet	Fluor.
50+	10+	80		55945	.01	.03	.017	—	.018	—	5	—	—	90	10	.1	11	-	—
30	12	90	.021 MoS_2 / .09 WO_3	44	[illegible]	.06	.018	tr	.020	3	4	2	2	[illegible]	—	.2	9	—	tr
16	39	100		43	[illegible]	.09	.025	.01	.026	5	3	6	2			.1	3	-	tr
30	55	[illegible]	×	42	[illegible]	.08	.017	.01	.018	4	4	6	5			.2	5	-	tr
28	53	[illegible]		41	tr	.07	.022	tr	.024	3	3	3	—	[illegible]	—	.1	3	—	—
50+	[illegible]	70		55940		.20	.014	tr	.016	2	5	2	—			tr	11	tr	-
31	[illegible]		.022 MoS_2 / .15 WO_3	39		.16	.040	.01	.040	5	3	6	3	[illegible]	—	tr	6	tr	tr
13	50+	[illegible]		38	.01	.07	.012	.01	.012	3	7	9	1	[illegible]		tr	9	.4	tr
11	52	[illegible]	×	37	.01	.25	.018	.02	.020	1	3	11	1	[illegible]	-	tr	7	tr	tr
17	50+	[illegible]		36	.01	.20	.009	.04	.010	4	4	17	1	[illegible]	-	.1	5	tr	tr
13	50+	100	.014 MoS_2 / .13 WO_3	35	.01	.12	.011	.03	.012	5	6	15	2	100	—	tr	2	1.5	tr
12	23	100		34	.02	.06	.009	.02	.010	3	5	13	-	100	-	.1	4	.5	-
32	29	100		33	tr	.13	.021	tr	.022	1	4	2	-	100		tr	8	tr	-
19	32	[illegible]	×	32	tr	.16	.019	.01	.020	3	2	16	-	100	-		3		
29	16	100		31	tr	.08	.007	.03	.008	1	2	16	-	30 cm	-		3	—	-
12	33	100		559[illegible]	.01	[illegible]	[illegible]	.12	[illegible]	4	3	6		100	-	tr	9	tr	-

NOTES

38.0 - 38.9 med. grey HO.
38.9 - 39.1 Calcite lsk crackle zone
39.1 - 39.8 fg DI. 10 cm LT HO @ 39.4
39.8 - 40.6 marble
40.6 - 41.0 fg DI
41.0 - 46.0 LT HO #zone 41.8 - 43.4 5% LT SK bands
to 5 cm. Sch. xtals to .4 cm.
46.0 - 46.3 LT. SK.
46.3 - 51.2 LT. HO. 5% LT SK 2 5% [illegible] 5 cm marble
@ 49.5 10 cm DI @ 49.7
51.2 - 53.1 White c/s, minor garnet lenses [illegible].
53.1 - 53.6 DK HO 5 cm Qtz/fluorite vein @ 53.5
53.6 - 54.5 lt grey c/s. minor garnet lenses
54.5 - 57.0 med. to DK. HO 5 cm garnet SK @ 56.1.
incl. 30% LT. grey HO.
57.0 - 60.0 LT. grey c/s. 5% med. HO. 5% LT SK.
60.0 - 60.3 LT. HO.
60.3 - 60.6 DK SK Dissem. powell
60.6 - 62.4 LT. SK
62.4 - 63.8 lt grey c/s @ 15% med SK
63.8 - 66.5 Pale SK.
66.5 - 67.2 med. HO
67.2 - 68.0 LT. SK 10 cm med HO @ 67.5 [illegible] 67.
68.0 - 68.8 med. HO
68.8 - 69.1 Pale SK
69.1 - 69.2 med HO

DD-11

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 9

SHEET 3 OF ____

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Powell est %	Total Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.
64–66	Ho			7	48	100		55929	.01	.16	.029	.07	.030	2	5	20	–	100	–	tr	7	–	–
68				12	38	100	.043% MoS_2 .11 WO_3	28	.01	.09	.016	.03	.018	3	5	10		90	10	tr	9	tr	tr
70		45		21	42	[illegible]	×	27	.01	.09	.011	.01	.012	5	6	11	2	90	10	.2	11	–	tr
72				50	?	[illegible]		26	tr	.03	.024	tr	.026	–	1	1	–			tr	9	–	–
74	DI			[illegible]	41			55925	tr	.04	.028	tr	.030	2	3	3	–			.1	12	–	–
76	Ho	50		28	50+	100	.029% MoS_2 .06 WO_3	24	tr	.05	.044	tr	.046	1	5	5	–	100	–	.1	17	tr	–
78	Ho			50+	40+	50		23	tr	.12	.038	tr	.040	4	4	1	2	100		.1	18	.6	tr
80	C.S						×																
82	Ho			28	45	90		55922	tr	.07	.045	tr	.046	2	3	4	2		–	tr	8	–	tr
84	C.S.			50+	40+	80		21	.5	.03	.028	–	.030	2	3	0	2	10	90	tr	10	–	tr
86				22	49	100	.037% MoS_2 .09 WO_3	20	.2	.05	.020	tr	.022	6	2	1	2	20	[illegible]	tr	9	–	tr
88				26	50	100		19	.16	.15	.060	–	.062	3	11	0	2	[illegible]	[illegible]	tr	10	–	tr
90	Ho	52		49	50	90	×	18	.2	.11	.032	tr	.036	4	7	5	2			tr	9	tr	tr (tr Beryl)
92				15	41	[illegible]		17	.02	.16	.027	.02	.030	6	7	13	1	90	10	tr	8	2.0	tr (tr Beryl)
94	gar.SK / Ho / gar.SK	52 SK		[illegible]	53			16	.04	.12	.052	.04	.054	7	10	17	–	100	–	.1	10	.8	–
96	Ho			[illegible]	3			55915	.06	[illegible]	.050	.02	.055	4	10	0	3	100	–	tr	8	.5	tr

NOTES

- 69.2 – 69.9 bleached HO
- 69.9 – 72.1 # med grey HO
- 72.1 – 74.8 DI. # 72.1 – 73.3 & 74.5
- 74.8 – 78.3 med grey HO (rubble includes minor marble)
- 78.3 – 80.1 white to LT green C/S
- 80.1 – 80.7 LT coarse HO to sub-gneiss.
- 80.7 – 82.6 LT. HO.
- 82.6 – 85.0 # white to LT green [illegible] very finely dissem Sch. 83.0 – 85.0 dissem. Sch (stronger) 83.25 – 83.5
- 85.0 – 86.0 #, strongly contorted HO (50%) & LT SK (50%)
- 86.0 – 91.1 med. HO. c̄ 30 cm bleached HO 89.7 – 90.0. 10 cm contorted garnet bands [illegible] 3 cm qtz/sch/fluor. c̄ MoS_2 borders @ 88.0. 3 cm qtz/Py/Fluor/Beryl/chl vn @ 90.7 (both vns ~ [illegible])
- 91.1 – 92.6 bleached HO (60%), LT SK & bleached green HO 30%, med HO 10%. 3 cm smokey qtz vn c̄ 2 cm white qtz lenses 92.0 DK SK borders on 2 cm qtz vn @ 92.6
- 92.6 – 93.3 med. HO. contorted 92.6 – 93.3 5 cm garnet [illegible]
- 93.3 – 93.5 LT. garnet SK
- 93.5 – 93.8 med HO
- 93.8 – 94.6 garnet SK, [illegible] sch [illegible] Fluor., Beryl.
- 94.6 – 96.5 [illegible] 20%, med HO [illegible] c/s 10%. LT SK [illegible] 6 mm qtz [illegible] 95.2 10 cm DI @ 95.8
- 96.5 – 97.8 LT HO. c̄ 10% garnet SK, 5% med HO.
- 97.8 – 98.7 coarse LT c/s. 5 cm qtz [illegible] fluor vn [illegible]
- 98.7 – 100.0 fine [illegible] [illegible] dissem sch 98.3 – 98.7
- 100.0 – 100.9 LT purple HO
- 100.9 – 101.5 marble

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AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 9
SHEET 4 OF

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DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Powel % est	Total Mo or MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.
98	Ho			15	47	100	.058 MoS2 / .23 WO3	55914	.04	.20	.025	.01	.028	2	9	5	1	[illegible]		.2	9½	tr	tr
100	CS / DI			28	47	100	x	55913	.1	.47	.137	tr	.140	4	9	2	1	30	40cm 70	.2	20	-	tr
102	Ho / Marb			50+		30		55912	.02	.04	.036	tr	.036	5	7	2	2	80	70	.1	16	-	tr
104																							
106	Ho	70		14	35	100		11	tr	.07	.019	tr	.020	2	4	2	1	100	-	.1	[illegible]	[illegible]	tr
108				24	33	100		55910	tr	.05	.019	tr	.020	1	3	1		100	-	.2	9		tr
110	C.S.			30	24			9	.05	1.00	.030	.01	.032	3	15	4	-	100			8	tr	
112	Ho			17				8	.01	.06	.025	.01	.026	1	6	5	-	100	-		10		-
114	Limy Fault gouge			50+		80		7	tr	.04	.028	tr	.028	2	1	1	-	100	-		15	-	-
116	cs?			50+		80		6	.02	.06	.078	.01	.078	2	6	5	-	100	-		6	-	-
118				50+		90		5	-	.14	.094	-	.096	-	-	-	-	-	-		14	-	-
120				50+		80		4	.05	<.01	.040	tr	.040	3	7	1	-	30	90cm 70		18	-	-
122	C.S.			50+		90		3	.04	.10	.043	tr	.046	2	7	4	-	30	20cm 70		11	-	-
124	Limy grey Fault gouge			40		90		2	.01	<.01	.041	tr	.042	1	3	1	-	100	-		15		
126	DI					100		55901	.2	.26	.030	-	.032	1	8	-	-	100	-	tr	16	-	-
	Ho							55900	.02	[illegible]	.015	.02	.016	3	5	[illegible]	-	100	-	tr	16	1	-

NOTES

101.5 - 108.5 LT HO. 7cm DKSK + garnet @ 104.8
108.5 - 110.4 white c/s
110.4 - 111.7 LT HO. BX w calcite vns from 111.2
111.7 - 119.5 fault gauge - highly calcic. BX LT grey c/s 114.3 - 114.8
119.5 - 121.0 LT. grey c/s. dissem Sch. 118.6 - 119.3 dissem Sch & Powell 120.65 - 120.85
121.0 - 124.8 Limey fault gauge. grey c/s where recogn.
124.8 - 126.5 Diorite. DI (?) fault gauge to 125.8
126.5 - 129.3 med grey HO
129.3 - 131.6 [illegible]

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AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77-9

SHEET 5 OF

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS		% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	o/o/100 ml	total Mo as MoS_2	VEINS: QTZ.	SCH.	POWEL.	FLUOR.	% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.				NOTES
130	HO			25					55899	tr	.19	.048	tr	.050	2	3	1	-			tr	9	-	-				131.6 - 142.7 [illegible]
132				22					98	.07	.41	.090	tr	.100	1	10	2	-			tr	9	-	-				
134				50					97	.02	.03	.069	.02	.070	1	4	8	-			tr	16	-	-				142.7 - 144.9 [illegible] 5cm Py
136				28					96	.12	1.13	.098	tr	.100	3	9	2	3			tr	13	-	tr				144.9 - 150.0 [illegible]
138	DI			29	43				95	.01	.35	.067	tr	.068	2	4	4	1			.2	17	-	tr				calcite to 5mm 146.2 - 146.8. 5cm [illegible] to 2cm fluor. @ 146.9
140				31					94	.01	.12	.093	-	.094	2	4	0	-			.3	8	-	-				150 - 150.4 LT [illegible]
142									93	.04	.65	.106	-	.108	3	7	-	-			.3	9	-	-				150.4 - 151.1 LT [illegible] 151.1 - 155.2 LT [illegible]
144									92	.01	.10	.054	tr	.056	3	5	2	-			.2	8	.3	-				155.2 - 165 [illegible] 165 - 167.5 LT [illegible]
146	HO								91	.01	2.55	.024	-	.030	1	6	0	-			.2	3	tr	-	Chalco Py	tr	tr	167.5 - 169.7 LT SK 169.7 - 165.8 [illegible] 163.2 (last 2.5 Py); 5mm Qtz/Py/fluor vn @ 163.8 x 164.8 (both // core axis)
148	C.S			7					55890	.2	.13	.021	tr	.022	2	5	2	2			.1	6	1.0	tr				
150									89	tr	.08	.023	tr	.024	2	3	2	3			tr	7	2.0	tr				
152	HO garn			4					88	.01	.15	.009	tr	.010	3	4	2	2			tr	6	1.5	tr	Chalco	tr		
154	HO			7					87	tr	.02	.015	-	.016	4	2	-	1			.1	9	-	tr				
156	DK								86	tr	<.01	.014	tr	.014	2	1	2	-			tr	8	tr	-				
158	HO								85	.01	.17	.026	tr	.028	4	5	2	-			.2	7	tr	-				
160	HO			15					55884	.08	.13	.014	-	.016	5	8	-				.4	4	tr	-				

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AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 9
SHEET 6 OF

DEPTH METRES	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Powell est	Total Mo as MoS_2	QTZ.	SCH.	POWEL.	FLUOR.			% MODE W VEIN	% MODE W DISS.	Py	MoS_2	Garnet	Fluor.			
160																												
162		75		22	50	90		55883	tr	·08	·020	0	·020	3	2	1	—			100	–	tr	7	–	–			
164	HO			11	51	100		82	·05	·20	·017	tr	·018	3	5	2	2			100	tr		6		tr			
				12	47	100		81	–	·01	·029	–	·030	1	0	0	–			–		tr	7	–	–			
	HO	LT 70		5	44	100		80		·02	·018	–	·020	0	0	0	–				–	tr	6	tr	–			
	CS			19	30	100		79	·05	·70	·146	tr	·152	1	3	3	1			2cm vnlts 100	–	tr	7	tr	tr			
				2 / 12	5			78	·02	·02	·040	–	·042	1	5	–	2			100	–	tr	5	tr	tr			
	HO			7	42			77	tr	·11	·061	–	·064	4	2	–	—			100		tr	8	tr	—			
				7	4[illegible]			76	tr	·03	·006	tr	·006	1	1	1	–			100	–	tr	4	·8	–			
				5	[illegible]			558 75	tr	·05	·012	tr	·012	1	2	1	–			100	–	tr	5	tr	–	2%	py/h	
	C.S	70		8	39	100		74	tr	·02	·020	–	·020	1	1	–	–			100		tr	5	–	–	1%	py/h	
				5	51			73	tr	·05	·006	–	·006	3	3	–	–			100	–	tr	4	–	–			
	HA / DK			3	47			72	tr	·02	·050	–	·050	2	–	–	–			–		tr	7	–	–		py/h 1%	
	CS			11	21			71	tr	·05	·016	–	·016	3	1	–	1			100	–	·1	6	tr	tr			
	HO			14				558 70	–	·02	·017		·018	3			1			–		tr	10	–	tr			
	DI			2	5			69		·03	·035		·036	1		–	–					·1	9	–	–			
	End			4	17			55868		·03	·042		·041	2									7	–	–			

NOTES

165.8 - 166.4 med. brown HO.
166.4 - 166.6 LT. SK.
166.6 - 168.0 LT HO. c̄ 10% med. HO
168.0 - 168.2 LT. SK
168.2 - 169.1 White c/s.
169.1 - 171.0 med. grey HO. 5cm Qtz/MoS₂/Sch vn @ 169.4 ~// core axis. 2cm Qtz/fluor vn // core axis @ 170.2
171.0 - 172.7 LT. HO. 5cm garnet band @ 172.6
172.7 - 173.5 bleached [illegible] HO
173.5 - 175.6 LT. to med. HO. c̄ 20% bleached [illegible] HO minor garnet [illegible].
175.6 - 176.4 bleached [illegible]
176.4 - 180.2 White c/s c̄ [illegible] LT [illegible] bands to 20cm. 20% LT & med. HO.
180.2 - 181.2 med. HO 40%, LT & bleached HO 60% 5cm LT SK c̄ garnet band @ 181.1
181.2 - 184.1 LT HO c̄ 20% med [illegible] HO bands
184.1 - 184.6 [illegible] SK.
184.6 - 185.5 White [illegible]. 5[illegible] marble @ 185
185.5 - 188.3 LT. HO. 5% med. to DK HO bands.
188.3 - 191.1 med. grained [illegible] DI [illegible], DK [illegible] @ 190.[illegible] 190.1 bleached [illegible].

END OF HOLE 191.1 M (627 ft)

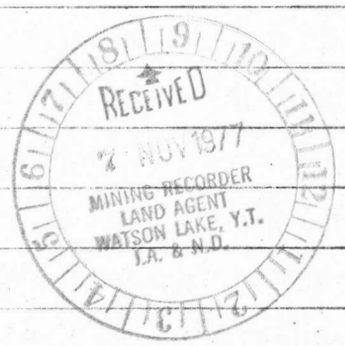
DD-11 1.)

AMAX POTASH LIMITED
601 - 535 Thurlow Street
Vancouver, B.C.
V6E 3L6

091100

Symbols used on the Logtung

Diamond Drill Logs.



HO - Hornfels

LT - Light green cherty skarn

DK - Dark green cherty skarn

DI - Diorite

QMP, or Ø - Quartz monzonite porphyry

C.S - - Fine-grained to aphanitic white calc-silicate.

Fel. - Felsite

Apl. - Aplite

DK.g. - Dark garnet skarn

Gar. Sk - Garnet skarn.

10 LT - 10% light green cherty skarn.

core stored @ camp near S.E. boundary of Log #31

DD-11

AMAX POTASH LIMITED

LOGTUNG PROJECT

Legend For Logtung Diamond Drill Logs.

D.D.H. LT-77-_____

SHEET _____ OF _____

DEPTH METRES	1:200 GRAPHIC LOG						% REC.	ASSAY INTERCEPTS	ASSAY DATA						VEINS						% MODE W		MINERALS						NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS				SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Total Mo Expressed as MoS_2	Est Pow.	QTZ.	SCH.	POWEL.	FLUOR.			VEIN	DISS.	Py	MoS_2	Garnet	Fluor.			
	Lithology (see attached sheet for explanation of symbols)			Number of pieces of core per 2 metre interval.	Number of veins per 2 metre interval.					Visual estimate of the WO_3 content.	WO_3 assay results	MoS_2 assay results.	Total Mo assay results, expressed as MoS_2.	Visual estimate of the powellite content.	Number of quartz veins per 2 metres	" " scheelite " " "	" " powellite " " "	" " Fluorite " " "			Estimate of the amount of WO_3 in veins	" " " " dissemination	Estimate of the % of pyrite per 2 metre interval.	Number of MoS_2 veins per 2 metre interval.	Estimate of the % of garnet per 2 metre interval.	Number of Fluorite veins per 2 metre interval.				Lithological description of the core.

These columns are interchanged on some logs

60.0037
131.6105

DIAMOND DRILL RECORD - LOGTUNG

Hole Number LT 77-8

Co-ordinates 435N
695N

Collar Elevation 1478M

Total Depth 241.6M

Depth Casing 9.1M

Depth Overburden ~8.5M

Core Size NQ

Bearing at Collar Vert.

Dip at Collar Vert

Commenced Drilling Sept. 18

Completed Drilling " 29

Section

Logged By W. Van Der Poll

Drilling Contractor E.Caron Diamond Drilling

SURVEY SUMMARY

Depth	Dip	Bearing	Method
772	88°	049°	Sperry-Sun Mag.

PERTINENT ASSAY DATA

Interval	WO_3 %

PERTINENT GEOLOGY

Interval	Rock Type or Structure

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 8
SHEET 1 OF 9

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	% est Powell.	Total Mo as MoS_2	# VEINS: QTZ.	SCH.	POWEL.	FLUOR.	Py/Sch	% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.
	over burden											–												
8, 10	Ø Myr.			18	36	100		55867 8.5-10.0M	tr	.05	.026	–	.028	15%	2	–	–	2	100	–	tr	13	–	–
12	Ø			19	49	100		558 66	.02	.04	.030	–	.040	5%	5	–	–	7	100	–	.1	26	–	–
14				15	27	100		65	.01	.03	.067	–	.078	10 vns	4	–	–	6	100	–	tr	16	–	–
16	Ø Myr.			22	26	100		64	.1	.096	.276	–	.296	30%	7	–	–	12	100	—	1.0	34	–	–
18	Ø qtz 95%			14	8	100		63	–	.01	.032	–	.034	30%	–	–	–	3	100	–	tr	14	–	–
20	LT green			13	32	[illegible]		62	.01	.02	.028	–	.030	3 vn	5	–	–	6	100	–	.1	17	–	–
22	Ø			16	27			61	tr	.05	.036	–	.038	4	1	–	–	4	100	–	tr	21	–	–
24				16	26			558 60	tr	.01	.026	–	.029	4	1	–	–	3	100	–	tr	18	–	–
26				18	26	100		59	tr	.03	.028	–	.030	1	1	–	–	11	100	–	tr	15	–	–
28				17	26	100		58	tr	.03	.054	–	.056	3	1	–	–	6	100	–	tr	20	–	–
30				17	31	100		57	tr	.06	.048	–	.050	4	4	–	–	7	100	–	tr	11	–	–
32				17	26	80		56	.03	.11	.091	–	.094	4	4	–	–	6	[illegible]	40	tr	19	–	–
34				22	41	100		55	tr	.04	.092	–	.094	3	1	–	–	10	100		tr	[illegible]	–	–
36	LT grey			16	38	[illegible]		54	tr	[illegible]	[illegible]	–	[illegible]	6	3	–	–	9	100	–	tr	26	–	–
38	Ø			40	32	100		55853	tr					Flood	3	–	–	12	100	–	tr	12	–	–

NOTES

0-8.5 overburden.
8.5-10.6 white QMP Qtz porph to 2 mm. banded Qtz to 7 cm, ⊥ core axis. myrmekitic texture/core axis 10.0-10.4. MoS₂ vns to 2 mm @ 45°-90° to core axis.
10.6-14.8 white to pale green QMP. Weak myrmekitic texture, but strong myrm. 11.3-11.7 vuggy Qtz vns (w Py, MoS₂) → calcite dissolution. 14.3-14.8 has <50% Qtz.
14.8-15.3 Qtz/Py/ser/sch/QMP bx (Py maybe marcassite) w 3% MoS₂.
15.3-15.6 white QMP w myrmekitic structures.
15.6-17.0 Qtz 95% w 5% QMP remnants. myrmekitic structure 45° to core axis.
17.0-23.9 Lt green QMP - porphyritic to 19.0 and 19.6-22.8; aplitic 19.0-19.6 and 22.8-23.9. 5 mm Qtz-Py vn // core axis @ 19.0
23.9-32.8 Lt green & white porph QMP.
32.8-34.8 Lt green porph QMP. - aplitic [illegible]
34.8-37.0 porph. QMP Lt grey.
37.0-41.3 porph. QMP. Lt grey 5 cm sericite @ 40.0

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 8

SHEET 2 OF

DEPTH METRES	LITH.	NUMBER OF PIECES	VEINS	% REC.	SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	% (ox) Est	Total Mo As MoS_2	QTZ.	SCH.	POWEL.	FLUOR.	Py/Sc	VEIN	DISS.	Py	MoS_2	Garnet	Fluor.
38–40	LT grey ∅	38	32	100	55852	tr	.05	.022	tr	.026	(FLOODED)	3	1	-	21	100	-	.4	18	-	-
42	grey gn ∅	44	39	100	55851	.01	.08	.026	tr	.032		5	1	-	18	100		.1	12	-	-
44	gn ∅	38	34	80	50	0	.06	.064	0	.070	15	0	0	-	11	100	-	.1	19	-	-
46	30% qtz	42	47	80	49	0	.03	.031	0	.036	10	0	0	-	12	100	-	.4	22	-	
48		21	39	100	48	tr	.05	.073	0	.078	4	3	0	1	8	100	-	1.5	21	-	tr (tr chalco 1% pyrrhot.)
50	grey gn. ∅	16	20	100	47	.03	.32	.194	0	.200	5	10	0	-	8	100	x	1.5	16	-	
52		17	26	100	46	tr	.05	.030	tr	.036	3	2	1	-	12	100		1.1	17	-	-
54		16	45	100	45	tr	.03	.040	-	.048	3	2	0	1	10	100	-	.3	18	-	tr
56		17	24	100	44	tr	.03	.024	-	.030	6	1	0	-	6	100	-	.1	10	-	-
58		16	33	100	43	.01	.11	.058	.01	.066	2	3	5	3	7	80	20	.5	11	-	tr
60	LT grey gn ∅	14	50	100	42	.04	.13	.024	.05	.032	5	7	8	2	7	100	- x	.4	10	tr	-
62		24	33	90	41	.02	.14	.040	.02	.054	5	5	6	3	10	100	-	.4	14	-	tr
64	∅ 10% SK, Ho	15	41	100	55840	.01 .03	.31	.037	.01 tr	.038	5	11	3	-	7	100	-	.5	7	-	-
66	gar. vn. SK	6	3	100	39	.03	.11	.038	.04	.040	7	10	18	-	-	60	-	.3	7	.8	-
68	Ho	11	1	100	38	.03	.25	.062	.03	.064	3	7	15	-	-	100	-	.2	9	tr	-
70	∅	26	44	100	55[illegible]	.03	.12	[illegible]	tr	[illegible]	9	2	2	-	6	100	-	.1	1	0	-

NOTES

41.3 - 47.0 LT. grey-green QMP - porphyritic c Qtz to 2mm
zone 41.5 - 44.5 & 45.2 - 45.8

47.0 - 47.6 LT green porph QMP c chl enriched zone on 3cm
Qtz vn // core axis c massive pyrrhotite, chalco & MoS_2
(total sulfides in 60cm section 20%)

47.6 - 49.6 LT grey porph QMP 50%; Qtz lenses (c py, chalco, py, MoS_2) 30%, Qtz/biot/chalco/py/MoS_2 vn 20%

49.6 - 58.1 porph QMP LT green to grey. 20cm DK SK inclusion @ 57.6

58.1 - 59.0 LT SK. [DK SK on Qtz/chl vn @ 58.4] Bleached Ho. 70%, QMP 20%

59.0 - 62.5 LT grey-green QMP porphyritic 10cm DK SK @ 59.6; 5% vn & inclusions to 10cm 60.7 - 62.5

62.5 - 63.9 LT grey-green porph QMP. 5-10% DK SK & Ho incl.

63.9 - 66.0 LT garnet vn SK 70%; med - DK Ho 10%. DK SK (on Qtz & QMP vns) 15%; QMP lenses 5%.

66.0 - 67.2 LT to med Ho 80%, LT Ho SK 20%

67.2 - 67.7 Ho - calcite crackle zone c 3cm calcite vn

67.7 - 68.0 med Ho

(contorted)

68.0 - 77.8 LT grey-green QMP. Chl enriched on contacts. Qtz/kal/Py/Mol/fluor/Beryl vn 40cm 71.4 - 71.8 @ 45° to core axis. 5cm py bx @ 71.6. 20% DK SK & Ho incl. to 20cm 71.5 - 74.0

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LOGTUNG PROJECT

D.D.H. LT-77- 8
SHEET 3 OF

Depth metres: 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102

Lith. (1:200 graphic log): grey green, Ø, gar. SK 10% DK, LT., LT. 10% DK, DI, LT 15 HO, DK, Ø, HO, DI, HO, DI, Ø, Breccia, DI, LT, DI

Number of pieces	Veins	% Rec.	Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2	% low est	Total Mo as MoS_2	Qtz.	Sch.	Powel.	Fluor.	Py/Sc	Mode W Vein	Mode W Diss.	Py	MoS_2	Garnet	Fluor.	Other
20	42	90	55836	.02	.11	.207	0	.210	8	8	-	2	7	100	-	3.0	30	-	tr	tr. chalco tr. beryl
20	41	100	35	.06	.35	.098	tr	.100	8	17	2	-	13	100	-	1.0	23	tr	-	
18	47	100	34	.02	.08	.155	tr	.158	6	4	3	-	11	100	-	.2	41	-	-	
14	41	100	33	tr	.08	.098	tr	.100	14	1	2	-	9	100	-	.2	40	-	-	
15	[illegible]	100	32	.02	.38	.052	.05	.054	11	4	15	-	-	100	X	1.0	8	3.0	-	
15	[illegible]	100	31	.2	.41	.036	.04	.038	7	13	12	-	-	100	-	.4	7	tr	-	
9	50+	[illegible]	55830	.02	.07	.035	.03	.036	11	6	11	-	-	100	-	.3	5	tr		
16	50+	[illegible]	29	.1	.13	.046	.03	.048	12	3	13	-	-	100	-	.3	5	-	-	
11	40	[illegible]	28	.02	.21	.040	.08	.044	19	5	27	-	-	100	-	1.0	4	tr	-	3% chalco
28	19	[illegible]	27	tr	.08	.045	.02	.046	15	2	8	-	-	100	X	.3	7	-	-	tr. chalco
22	28	[illegible]	26	tr	.12	.051	.01	.052	8	2	5	-	-	100	-	.4	5	-	tr	
13	41	[illegible]	25	tr	.10	.025	.02	.026	7	1	7	-	-	100	-	.2	3	-	-	
10	36	[illegible]	24	0	.06	.031	tr	.032	16	0	1	-	5	-	-	.1	4	-	-	
19	48	100	23	tr	.07	.041	.01	.042	16	1	6	1	5	100	-	.2	7	-	tr	
29	44	80	22	tr	.08	.068	tr	.070	18	4	3	-	-	100	X	.2	8	-	-	tr chalco
25	28	90	55821	.07	.5	.130	.02	.132	7	6	9	-	-	100	-	.2	.11	-		

NOTES

77.8 - 80.4 LT. garnet SK c 10% DK SK.
80.4 - 85.6 LT to pale SK; DK SK on vns (10%) 10% LT. HO.
3cm myrmekitic Qtz vn ⊥ core axis @ 83.9
85.6 - 86.1 DK green Diorite - bleached on borders.
86.1 - 86.3 Qtz vn ⊥ core axis. Py, MoS_2.
86.3 - 87.5 LT. SK. 20% LT. garnet SK, 10% bleached HO.
10cm Qtz vn @ 87.4
87.5 - 88.2 DK SK. c 10% Qtz vns to 5cm.
88.2 - 89.1 LT. green QHP
89.1 - 89.6 LT HO. #
89.6 - 91.3 DK. green Diorite
91.3 - 93.5 LT. HO
93.5 - 95.3 Massive DK green Diorite. 5cm Qtz vn c MoS_2 centre @ 93.6
95.3 - 97.0 White QHP. Qtz to 15mm } 3.0% Qtz vns 96.8-97.0
97.0 - 97.7 DK green HO.
97.7 - 98.9 DK green. fine grained DI } 6% Qtz # 96.7 - 104.8
98.9 - 99.3 LT. SK.
99.3 - 104.8 DK green fine gr DI.

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AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 8
SHEET 4 OF

Depth Metres	Lith.	Bedding	Number of Pieces	Veins	% Rec.	Assay Intercepts	Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2		Total Mo As MoS_2	Qtz.	Sch.	Powel.	Fluor.	% Mode W Vein	% Mode W Diss.	Py	MoS_2	Garnet	Fluor.
102 – 104	DI		28	29	90		55820	tr	.10	.024	.02	.026	13	2	8	–	[illegible]	–	.1	6	–	–
106	HO		39	34	80		19	[illegible]	.11	.056	.02	.060	8	1	7	–			tr	9	–	–
108	Ø		28	26	90		18	.01	.06	.028	tr	.030	6	4	2	–			tr	11	–	–
110	HO / LT		50+	32	80		17	.01	.12	.063	.01	.066	9	3	7	–		x	.2	12	–	–
112	HO 20% LT	65	10	40	[illegible]		16	tr	.04	.019	.01	.020	6	2	6	–			.1	4	–	–
114	DK 40 LT 30 HO 30		9	34	[illegible]		15	.04	.17	.050	.03	.052	4	7	11	–	100	–	.2	5	1%	–
116	HO / DI		10	34			14	.03	.16	.046	.05	.048	4	8	14	–	100	–	.3	6	1.0	–
118	HO		11	57	[illegible]		13	.01	.19	.028	.02	.030	6	3	5	–	100	–	.1	5	–	–
120	DK / HO / DK		34	29	[illegible]		12	tr	.11	.018	.02	.022	4	2	11	–	100	x	.2	7	–	–
122	g.v. SK		16	50+	100		11	0	.10	.021	.04	.025	5	0	15	–		–	.3	5	.6	–
124			6	37	100		558 10	tr	.04	.036	tr	.038	6	2	3	–	100	–	.2	12	–	–
126	HO 10% SK		7	50	100		09	tr	.03	.030	.01	.032	3	2	4	–	100	–	.2	10	–	–
128			7	36	100		08	.03	.70	.047	.02	.050	5	Large 2	7	–	100	–	1.0	7	tr	–
130	DI		7	50+	100		07	.02	.31	.225	.01	.228	12	7	5	–	100	–	.5	16	–	–
132	gn. HO / DI		10	24	100		06	.08	1.06	.047	tr	.052	11	7mm tabs 8	3	–	100	–	1.0	12	–	–
134	HO	65	21	37	100		558 05	.02	.13	.070	tr	.07[illegible]	5	5	3	–	100	–	.3	13	–	–

NOTES

104.8 - 106.9 LT. HO. ± 50%
106.9 - 107.5 LT. green QHP.
107.5 - 109.6 Med HO.
109.6 - 109.9 LT. garnet SK 50%. LT SK 50%
109.9 - 112.8 LT. HO 50%. Pale green HO 30%. LT SK & LT. garnet SK 20%.
112.8 - 114.2 DK SK 40%. LT. SK 30%, LT-DK HO 30%. 5cm Qtz/chalc/Py/MoS2 vn // core axis 112.4
114.2 - 114.6 LT. HO
114.6 - 115.7 Pale green HO. 10cm Med SK @ 115.7
115.7 - 116.6 DK fine gr Diorite. 15cm LT HO SK @ 116.0
116.6 - 118.9 LT HO. DI Dike on core edge 117.2 - 117.6 10cm QHP 116.6
118.9 - 119.3 DK SK w minor garnet
119.3 - 120.1 LT. HO. Calc. # 119.5 - 120.0
120.1 - 120.3 DK SK, cut 3cm Qtz vn
120.3 - 121.9 LT. Garnet vn SK w 10% Med. HO
121.9 - 128.3 LT. HO. w 10% LT SK & DK SK 2cm garnet band @ 127.1
128.3 - 130.6 Lt. grey (bleached) DI. w 25% LT SK lenses.; 30cm lens LT SK. @ 129.4.
130.6 - 131.4 Pale green HO SK, contorted.
131.4 - 132.4 DK green DI, 2cm Qtz vn // core axis w Py, massive pyrrhotite to 5cm, chalcs, Sch (7mm x'tals), MoS2.
132.4 - 135.8 LT HO, w 10% LT SK. (some garnet vn SK). 20cm DK Diorite @ 133.5.
135.8 - 136.3 LT. SK. w 1cm garnet bands.
136.3 - 136.9 LT HO 60%. LT SK 40%
136.9 - 137.3 LT. SK.
137.3 - 137.9 LT HO w 20% garnet SK lenses.

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SHEET 5 OF ____

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2		Total Mo as MoS_2	VEINS: QTZ.	SCH.	POWEL.	FLUOR.	% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.	NOTES
134																								
		65		16	26	100		55804	.04	.18	.029	tr	.022	6	10	3	-			.4	5	.6	-	137.9 – 139.6 LT. garnet SK. w 10% LT HO. 2-2 cm DI vns @ 139
																								139.6 – 139.9 LT HO
				6	37	100		03		.08	.048		.050	3	5	5	-			.3	4	1.0	-	139.9 – 141.1 LT HO. 30%, LT SK w garnet lenses 35% DK SK 35%
				6	50+	100		02		.08	.034	tr	.036	4	6	3	-	30	20	.3	7	3.0	-	141.1 – 141.6 DK DI, fine gr.
																								141.6 – 142.4 LT HO
				10	35	100		55801	tr	.03	.058	tr	.060	4	3	3	-			.2	6	tr	-	142.4 – 144.2 LT. SK. w 15% LT HO. interbedded.
																								144.2 – 145.2 LT garnet VNSK w 20% LT SK
		60		9	50+	100		55800		.04	.028		.030	7	3	3	-			.2	6	tr	-	145.2 – 146.2 LT. SK, contorted.
																								146.2 – 147.9 LT HO contorted. w 10% LT. SK
				11	48	100		55799	.2	.09	.017	.03	.019	9	6	12	-			.3	4	5.0	-	147.9 – 149.0 LT. garnet SK w 10% LT HO
																								149.0 – 149.5 contorted LT HO
				11	41	100		98	-	.05	.034	tr	.036	9	-	3	-	-	-	.2	12	tr	-	149.5 – 151.7 pale green garnet SK 2 cm gz vns @ 150.5 & 151.5
																								151.7 – 153.0 LT HO.
				5	32	100		97	tr	.10	.018	.1	.024	7	2	24	-	100	-	.2	3	2.0	-	153.0 – 153.7 aphan. applite.
																								153.7 – 154.8 LT HO
				8	34	100		96	tr	.10	.019	.07	.022	7	3	20	-	100	-	.2	6	1.0	-	154.8 – 154.9 LT SK
152																								154.9 – 155.2 LT HO. Minor SK. as VNSK garnet lenses.
				17	23	100		95	-	.04	.034	tr	.036	8	0	4	-	100	-	tr	9	-	-	155.2 – 159.8 LT. SK. mostly contorted. Incl 15% garnet SK. 10% H
154																								159.8 – 163.2 LT. (bleached) Diorite
		LT		13	34	100		99		.12	.017		.019	6	5	6	-	100		.1	7	tr	-	163.2 – 168.9 LT SK, 30% LT. garnet SK 2 10% LT HO
156																								168.9 – 169.2 fine gr pink applite
				25	37	100		93	tr	.09	.017	tr	.022	5	2	4	-	100	-	.1	4	.4	-	169.2 – 173.7 LT SK 40%. LT. garnet SK 50%. LT HO 10%
158																								
				8	38	100		92	tr	.07	.027	.01	.030	5	2	6	-	100	-	.2	6	1.5	-	
160																								
		DI		6	23	100		91	tr	.04	.016	tr	.020	6	1	3	-	100	-	.3	4	-	-	
162																								
		LT 30% gr SK 10 HO		17	26	100		557 06	tr	.17	.039	.02	.040	7	2	4	-	100	-	.2	5	1.0	-	
164																								
				12	32	100		8	tr	.3	.018	.03		8	2	11	-	100	-	.2	7	12.0	-	
166																								

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SHEET 6 OF

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2		Total Mo as MoS_2	VEINS: QTZ.	SCH.	POWEL.	FLUOR.			% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.				NOTES
166	LT																												173.7 - 176.0 LT SK 50%, LT HO 50% Minor garnet
168	30cm PE 10 HO			22	31	100		55788	tr	.10	.039	.01	.040	5	2	5	–			100	–	.1	8	1.0	–				lenses to 1cm. bleached DI dike 174.7 - 174.95.
																													176.0 - 176.5 white QTZ: upper contact // core axis, lower
170	LT 40			12	35	93		87	tr	.06	.029	.02	.030	6	2	8	–			100	–	.3	8	1.0	–				contact 45°
	SK 50																												176.5 - 182.0 LT. SK w garnet lenses to 4cm. contorted
172	HO 10			3	48	100		86	tr	.07	.031	.02	.032	5	3	10	–			100	–	.2	6	.8	–				5cm QTZ vn @ 179.8. 15 cm QTZ/Py/MoS2 vn @ 181.2
		65																								chalcs	tr		182.0 - 182.4 LT. HO
174	LT 50 HO 50			8	39	100		85	tr	.07	.021	tr	.022	2	3	4	–			100	–	.2	2	.6	–				182.4 - 187.9 contorted LT. SK w 25% DK SK 10% HO.
																													20 cm fine gr. applite w coarse borders @ 186.9
176				10	27	100		84	tr	.09	.039	tr	.040	5	2	2	–			100	–	.1	4	tr	–				187.9 - 190.1 LT HO w 10% LT SK
	LT SK																												190.1 - 190.7 LT. SK
178				5	37	100		83	tr	.08	.047	.03	.048	9	1	10	–			100	–	.3	8	3.0	–				190.7 - 192.4 LT SK. 40% LT HO 60%. all contorted.
																													3cm garnet band @ 191.8
180	LT			7	35	100		82	.01	.10	.029	tr	.030	8	4	3	–			100	–	.1	5	.4	–				192.4 - 195.3 LT SK w 15% HO
																										brchalcs			195.3 - 195.7 DI
182	HO			8	48	100		81	.01	.08	.031	.03	.032	5	5	13	–			100	–	.6	5	1.5	–				195.7 - 196.1 LT HO
	LT 25 DK 10 HO																												196.1 - 197.9 DI. 10 cm LT HO @ 196.2, 15cm LT SK 197.6
184				5	50	100		55780	tr	.08	.021	.01	.020	1	2	7	–			100	–	.3	5	1.0	–				197.9 - 206.5 contorted LT. SK. w 15% LT. HO 5cm
																													coarse DI @ 199.0 x 199.2, 10cm fg DI 199.4 x 199.6
186				6	46	100		9	0	.07	.021	.01	.022	7	0	6	–			~~100~~	–	.3	4	3.0	–				20 cm LT. green felsite @ 199.7 - 199.9 w 5cm qtz borders
																													2-3cm QTZ/Py/Sch vn w MoS2 borders // core axis 200.2
188				10	57	100		8	tr	.07	.017	.01	.018	2	1	6	–			100	–	.3	3	1.0	–				- 202.1 (also has massive pyrrhotite, minor chalcs).
	HO																												7cm DI lens @ 205.5
190				7	41	100		7	–	.03	.018	tr	.020	2	0	1	–			–	–	.1	8	.2	–				
	LT HO 60 LT 40																												
192				9	29	100		6	–	.07	.050	.02	.054	2	0	5	–			–	–	.2	3	1.5	–				
	LT 15 HO																												
194				5	31	100		5	tr	.06	.019	.02	.020	3	1	5	–			100	–	.1	3	.3	–				
				8	41	100			↑	.02	.09	.019	.03	.020	6	5	11	–			100	–	.2	2	.8	–			
196	DI HO																												
	DI			5	53	100		55		.01		.225	.01	.026	7	3	4			80	20	.2	3	tr	–				
198	LT																												

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SHEET 7 OF ____

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Powell % est	Total Mo as MoS_2	VEINS: QTZ.	SCH.	POWEL.	FLUOR.			% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.		
198																											
200	LT			8	36	100		55772	.01	.09	.028	.03	.030	10	5	14	–			90	10	.2	9	.6	–		
202	15 HO			7	43	100		1	.13	.51	.116	.06	.120	20% 5	8mm 5	xtals 19	–			80	20	3.0	.3% 7	2.0	–	tr Py (f chalc) Py/1cm	
204				3	31	100		55770	.01	.08	.040	.03	.042	4	3	10	–			80	20	.2	4	1.0	–		
206				5	28	100		9	.02	.18	.039	.03	.040	3	4	13	–			100	–	1.5	.15% 2	.6	–	tr. chalco	
208	5m HO, LT SK, HO			8	47	100		8	.01	.07	.019	.03	.020	8	6	6	–			100	–	.3	5	.4	–		
210	DI			4	36	100		7	.01	.09	.023	.02	.024	5	1	5	–			100	–	.3	8	–	–		
212	QM, DI			15	32	100		6	tr	.05	.041	tr	.042	5	1	1	–	Py/ser 6cm		100	–	.3	9	–	–		
214	HO 20% DI lens	contorted		9	33	100		5	0.03	.05	.029	tr	.030	6	3	1	–			100	–	.2	13	–	–		
216	HO 20% LT			7	24	100		4	.01	.40	.118	.01	.120	6	2	3	–			100	–	.5	17	–	–		
218	DI			4	39	100		3	.02	.05	.065	.02	.068	8	3	2	–			100	–	.3	13	.1	–		
220	HO, garnet SK, HO			17	38	100		2	.03	.14	.104	.05	.106	12	3	6	–			100	–	.4	11	tr	–		
222	DI, HO			14	38	100		1	.02	.20	.030	.08	.034	10	5	3	–			60	5cm diss 40	.3	10	1.5	–		
224	HO, LT			16	31	100		55760	.02	.06	.023	tr	.024	2	4	–	–			100	–	.2	7	1.0	–		
226	HO, LT, HO	DI		7	3[illegible]	100		9	tr	.03	.015	.01	.016	6	1	5	–			100	–	.1	6	.8			
228	LT, DI	50		14	4[illegible]	100		8	tr	.05	.005	tr	.006	6	1	4	–			100	–	.4	9	tr	–		
230	LT, 10% HO			8	42	100		–	tr	.03	[illegible]	tr	[illegible]	11	3	[illegible]				100	–	.3	2	1.5			

NOTES

206.5 - 207.2 LT. green HO 30%, LT. HO 70%
207.2 - 207.7 LT. garnet SK.
207.7 - 208.7 LT. HO 5cm DI lenses @ 208.6
208.6 - 210.2 bleached DI. fg
210.2 - 211.0 QM, 1% biot.
211.0 - 212.8 bleached DI fg
212.8 - 215.7 LT HO w 20% DI lenses 10cm cal. crackle zone @ 212.8. 2cm Qtz/Py/MoS_2 vn // core axis 215.1 - 215.5 (cut off @ 215.1 by 3mm Cal/MoS_2 vn) 3mm Sch. @ 215.4
215.7 - 218.2 LT. HO w 20% LT SK 10cm bleached DI @ 218.0 2cm Qtz vn w MoS_2 borders @ 217.6
218.2 - 219.1 bleached DI. 5mm Qtz/Fluorite/Py/Chalco vn cut off by 3mm Qtz/MoS_2 vn @ 218.8
219.1 - 219.9 LT HO 80%, LT SK 20% cal crackle zone in HO. 219.3 - 219.8 w 7cm DI lens.
219.9 - 220.2 garnet SK
220.2 - 220.7 DK HO 50%, LT HO 50% (on DI contact) 5cm dissem. Powellite in DK HO @ 220.3
220.7 - 221.6 DK DI fg 20cm bleached DI 220.7 - 220.9
221.6 - 223.8 med - DK HO w 25% LT SK bands
223.8 - 224.8 LT SK w 10% DK HO
224.8 - 225.1 LT HO.
225.1 - 226.1 contorted LT SK w 25% LT HO, 10% DK SK
226.1 - 226.7 DK HO
226.7 - 226.9 bleached DI w 7cm LT HO lens.
226.9 - 227.5 LT SK w 10% LT HO, 20% bleached DI lenses/vns
227.5 - 228.0 fg DI. bleached @ contacts. 5cm cal. crackle zone 227
228.0 - 230.0 LT SK w 10% med HO. 3cm aplite @ 229.6
230 - 231.0 LT. HO. 10% LT SK. 3cm Qtz vns ∠ 10% to core axis 230.3 & 230.5

AMAX POTASH LIMITED

LOGTUNG PROJECT

D.D.H. LT-77- 8

SHEET 8 OF ____

DD-11

Depth (metres)	No. of pieces	Veins	% Rec.	Sample No. and Interval	Est. WO_3	% WO_3	% MoS_2		Total Mo as MoS_2	Qtz.	Sch.	Powel.	Fluor.	% Mode W Vein	% Mode W Diss.	Py	MoS_2	Garnet	Fluor.
230–232	4	46	100	55756	tr	.08	.015	.01	.016	7	3	6	–	100	–	.8	3	1.0	–
234	10	36	100	5	tr	.04	.021	.01	.022	5	2	4	–	100	–	.1	7	.3	–
236	6	37	100	4	tr	.09	.039	.02	.040	7	2	6	–	100	–	.4	5	2.0	–
238	9	33	100	3	.01	.17	.073	.01	.074	9	3	3	2	100	–	.6	8	.4	tr
240	5	16	100	2	.01	.06	.011	.04	.012	7	2	8		100	–	.1	4	tr	–
242				–1.6M– 55751	.5	1.15	.018	.02	.024	5	LARGE 1	3	1	100	–	.9	2	1.0	tr

END OF HOLE 241.6

NOTES

231.0 – 234.9 mostly contorted LT SK. w 20% LT HO.; 2% bands garnet & Lt garnet SK

234.9 – 235.2 bleached DI, darker on vns

235.2 – 236.0 LT SK 40%, DK SK 20%, LT HO 40%

236.0 – 236.6 LT HO w 10% LT SK

236.6 – 236.8 fg applite w coarse grained borders, mixed dissem MoS_2

236.8 – 237.7 LT HO w 20% LT SK, 15% DK SK

237.7 – 237.9 coarse Qtz w 1cm fluoride, coarse PY MoS_2 borders. vn @ 90° to core axis

237.9 – 238.2 LT HO

238.2 – 238.6 DK SK

238.6 – 240.0 LT grey to Lt green HO.

240.0 – 240.5 LT SK

240.5 – 241.6 med HO w 30% LT SK 1cm vn w MoS_2, WO_3, fluoride, PY // core axis 240.9 – 241.6 Sch. to 1cm.

HOLES: LT-11-5 to Incl. 105-B-4
CLAIM: LOG 5 YA11214
CORE: LOG 32
1977
DD-H

AMAX POTASH LIMITED

LOGTUNG PROJECT

Legend For Logtung Diamond Drill Logs.

02110D

D.D.H. LT-77-_____

SHEET _____ OF _____

DEPTH METRES	1:200 GRAPHIC LOG: LITH.	BEDDING	FAULTS	NUMBER OF PIECES	VEINS	% REC.	ASSAY INTERCEPTS	ASSAY DATA: SAMPLE NO. AND INTERVAL	EST. WO_3	% WO_3	% MoS_2	Total Mo Expressed as MoS_2	Est POW.	VEINS: QTZ.	SCH.	POWEL.	FLUOR.			% MODE W: VEIN	DISS.	MINERALS: Py	MoS_2	Garnet	Fluor.				NOTES
	Lithology (see attached sheet for explanation of symbols.)			Number of pieces of core per 2 metre interval.	Number of veins per 2 metre interval.				Visual estimate of the WO_3 content.	WO_3 assay results	MoS_2 assay results.	Total Mo assay results, expressed as MoS_2.	Visual estimate of the powellite content.	Number of quartz veins per 2 metres	" " scheelite " "	" " powellite " "	" " Fluorite " "			Estimate of the amount of WO_3 in veins	" " " disseminated	Estimate of the % of pyrite per 2 metre interval.	Number of MoS_2 veins per 2 metre interval.	Estimate of the % of garnet per 2 metre interval.	Number of Fluorite veins per 2 metre interval.				Lithological description of the core.

These columns are interchanged on some logs

RECEIVED
20 OCT 1977
MINING RECORDER
LAND AGENT
WATSON LAKE, Y.T.
I.A. & N.D.

Symbols used on the Logtung Diamond Drill Logs.

HO - Hornfels

LT - Light green cherty skarn

DK - Dark green cherty skarn

DI - Diorite

QMP, or Ø - Quartz monzonite porphyry

C.S - - Fine-grained to aphanitic white calc-silicate.

Fel. - Felsite

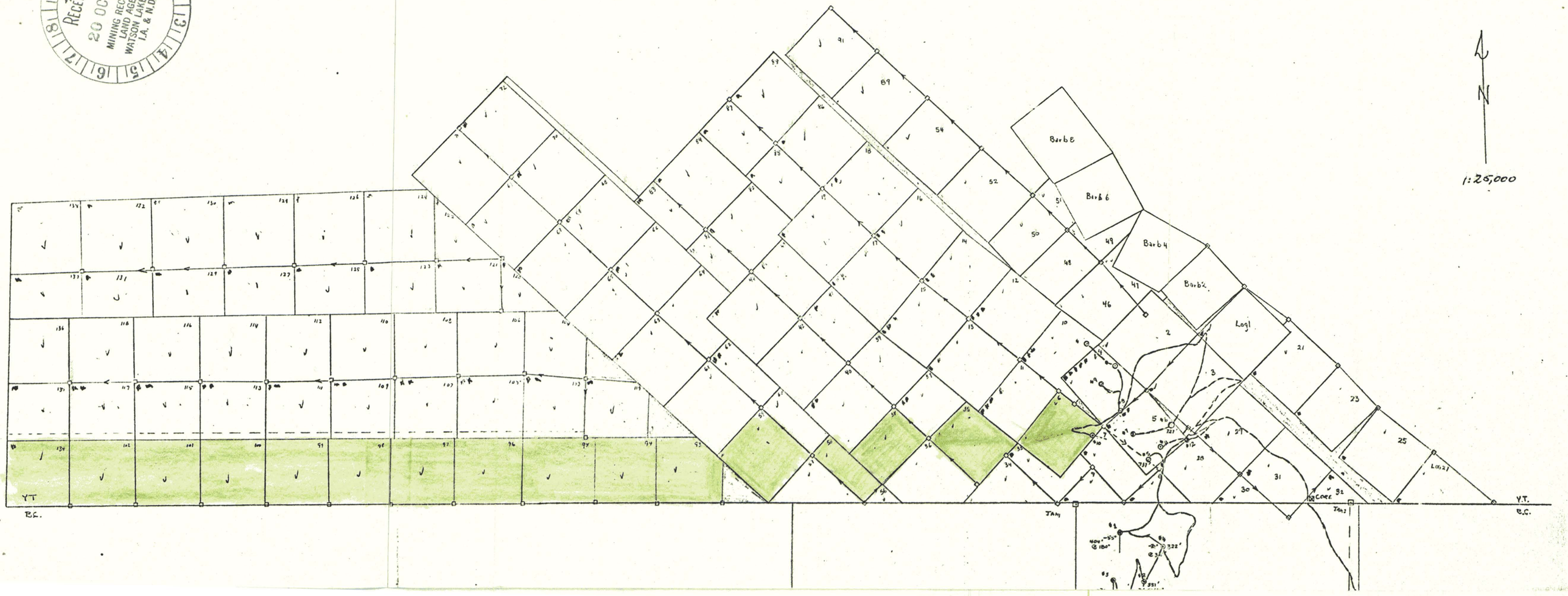
Apl. - Aplite

DK.g. - Dark garnet skarn

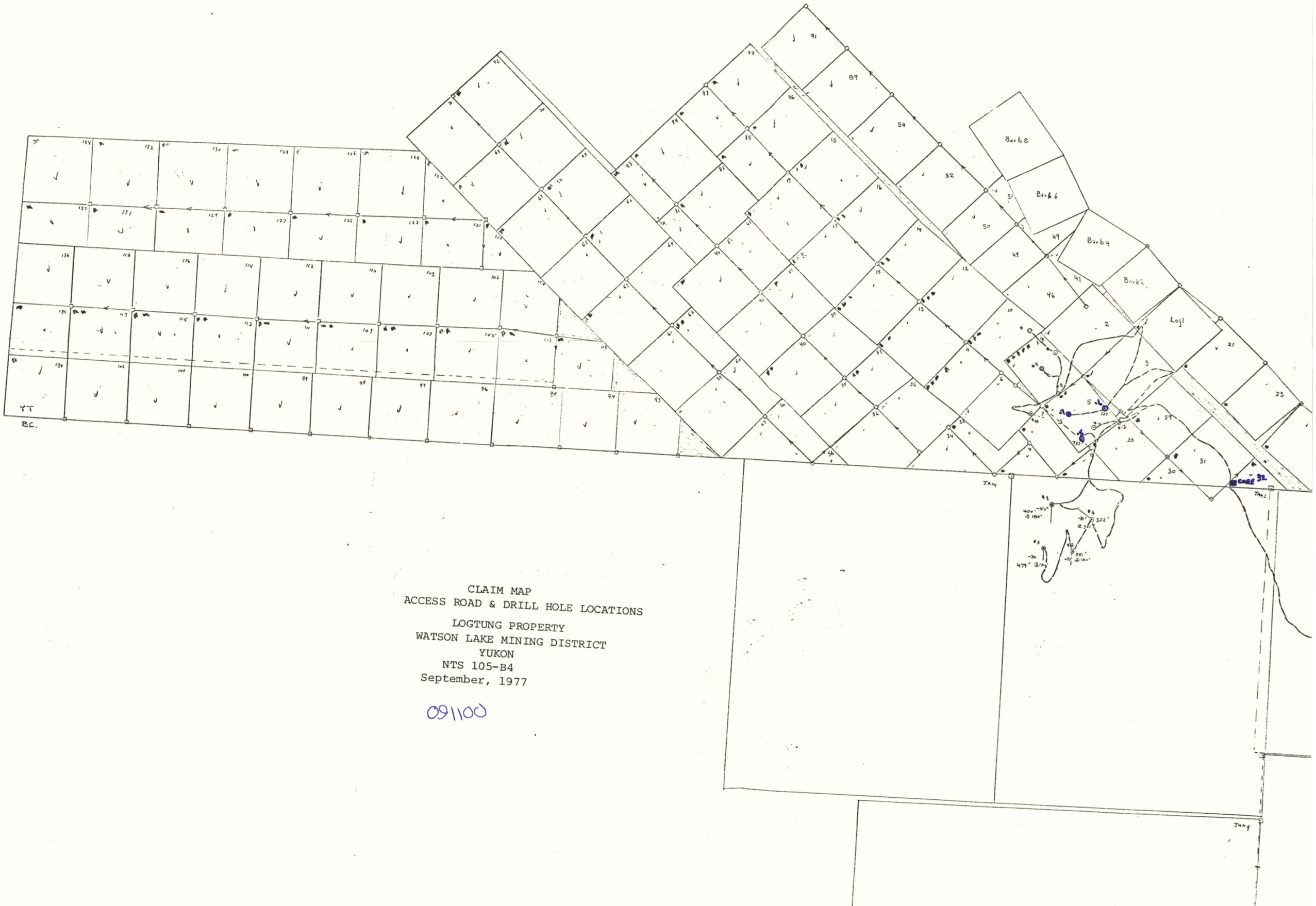
Gar. Sk - Garnet skarn.

10 LT - 10% light green cherty skarn.

DD-11



DD-11



CLAIM MAP
ACCESS ROAD & DRILL HOLE LOCATIONS

LOGTUNG PROPERTY
WATSON LAKE MINING DISTRICT
YUKON
NTS 105-B4
September, 1977

091100