53F04NW0127 13 HERONRY LAKE

010

DIAMOND DRILLING

Area: Heronry Lake

Report No: 13

WORK PERFORMED FOR: Canadian Nickel Company Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
K 638465	74812	306.6m	Feb-Mar/86	(1)
K 638466	74813	305.7m	Mar/86	(1)
K 589479	74816	260.3m	"	(1)

NOTES: (1) #75-86

**********INCO LIMITED**********
FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT :	CROW	NTS SHEET #:	52-F-4	STARTED	:03-03-86
PROPERTY :	Penn Option	TOWNSHIP	:	COMPLETED	:03-09-86
BOREHOLE :	74813-0	PROVINCE	:Ontario	MEASUREMENTS(M/FT)	:M
LATITUDE :N	9325.0 M	COUNTRY	:Canada	DRILLED BY	:Bradley Bros.
DEPARTURE:E	8300.0 M	CLAIM #	:K638466	DRILL TYPE	:Boyles 37A
ELEVATION:	1337.0 M	GRID NAME	:Penn	CORE SIZE	:BQ
AZIMUTH :	355.0	BL AZIMUTH	:085	TEST METHOD	:Acid
DIP :	-50.0	BH BEARING	:360	ASSAYED FOR	:Gold
DEPTH :	305.7 M	LOGGED BY	:A.Aubut		

COMMENTS :50 m west and 50 m north of post #2. Casing pulled.

********DEVIATION RECORDS********

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
30.80	355.0	-47.00	123.70	355.0	-46.00	243.80	355.0	-48.00
61.00	355.0	-46.00	154.20	355.0	-47.00	274.30	355.0	-47.00
76.20	355.0	-45.00	182.90	355.0	-48.00	305.70	355.0	-48.00
93.30	355.0	-43.00	213.40	355.0	-47.00			

**********DESCRIPTION**********

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
.00	74.41	OVERBURDEN Casing through 33.5 mediums of water followed by overburden consisting of mud and sand with some boulders near the bottom.							
74.41	147.35	PERIDOTITE Fine grained to medium grained, bluish black, soft and talcose. Some light green talc veins up to 3 millimetres thick. Massive, magnetic with 10% disseminated iron carbonate. Trace disseminated pyrite and rare chalcopyrite. 78.42 79.92 With 5% talc veins up to 1 centimetre thick. 79.92 80.22 Foliated with 60% irregular talc veins. 81.20 82.70 With 5% talc veins and veinlets. 87.20 90.20 With rare quartz carbonate veins and patches. Trace hematite. 91.70 102.20 Fine grained to medium grained, bluish black, massive, magnetic, talcose peridotite.	FX163740	74.41	75.86	1.45	TR	-	<.010
			FX163741	75.86	77.36	1.50	TR	-	<.010
			FX163742	77.36	78.42	1.06	TR	-	<.010
			FX163743	78.42	79.92	1.50	TR	-	<.010
			FX163744	79.92	81.20	1.28	TR	53	<.010
			FX163745	81.20	82.70	1.50	TR	-	<.010
			FX163746	82.70	84.20	1.50	TR	-	.010
			FX163747	84.20	85.70	1.50	TR	-	<.010
			FX163748	85.70	87.20	1.50	TR	-	<.010
			FX163749	87.20	88.70	1.50	TR	-	<.010
			FX163750	88.70	90.20	1.50	TR	-	<.010
			FX163751	90.20	91.70	1.50	TR	-	<.010
			FX163752	91.70	93.20	1.50	TR	-	<.010
			FX163753	93.20	94.70	1.50	TR	-	<.010
			FX163754	94.70	96.20	1.50	TR	-	<.010
			FX163755	96.20	97.70	1.50	TR	-	.005
			FX163756	97.70	99.20	1.50	TR	-	<.010
			FX163757	99.20	100.70	1.50	TR	-	<.010
			FX163758	100.70	102.20	1.50	TR	-	<.010
			FX163759	102.20	103.70	1.50	TR	-	<.010

**********DESCRIPTION**********

FROM M	TO M	
		Soft, with 5 to 15% iron carbonate grains up to 3 millimetres in size, gray to light brown in colour. Trace disseminated pyrite. Rare talc veinlets.
102.20	103.70	As above with 5% quartz carbonate veining.
117.00	121.50	As at 91.70.
121.50	124.50	As above with 5% quartz carbonate bands and veins.
124.50	126.00	As above but weakly foliated.
126.00	130.50	As at 91.70 with 15 to 30% disseminated iron carbonate grains up to 3 millimetres in size. Weakly foliated, trace pyrite.
130.50	132.00	As above with 5% quartz carbonate veins and quartz carbonate talc veins.
132.00	138.00	As at 91.70, weakly foliated.
138.00	141.00	As above, weakly to moderately foliated. Several narrow fault gouge seams. Several quartz carbonate veins up to 5 millimetres thick with some associated light green talc. Trace pyrite.
141.00	145.50	Fine grained to medium grained, soft, talcose peridotite. Weakly to moderately foliated with several scattered thin fault seams up to 1 centimetre thick.
145.50	147.35	Fine grained to medium grained, soft, talcose, magnetic, dark bluish gray to black peridotite. 10 to 20% fine grained to medium grained disseminated

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX163760	103.70	105.00	1.30	TR	-	<.010
FX163761	105.00	106.50	1.50	TR	-	<.010
FX163762	106.50	108.00	1.50	TR	-	<.010
FX163763	108.00	109.50	1.50	TR	-	<.010
FX163764	109.50	111.00	1.50	TR	-	<.010
FX163765	111.00	112.50	1.50	TR	-	<.010
FX163766	112.50	114.00	1.50	TR	-	<.010
FX163767	114.00	115.50	1.50	TR	-	<.010
FX163768	115.50	117.00	1.50	TR	-	<.010
FX163769	117.00	118.50	1.50	TR	-	<.010
FX163770	118.50	120.00	1.50	TR	-	<.010
FX163771	120.00	121.50	1.50	TR	-	<.010
FX163772	121.50	123.00	1.50	TR	-	<.010
FX163773	123.00	124.50	1.50	TR	-	<.010
FX163774	124.50	126.00	1.50	TR	50	<.010
FX163775	126.00	127.50	1.50	TR	40	<.010
FX163776	127.50	129.00	1.50	TR	45	<.010
FX163777	129.00	130.50	1.50	TR	-	<.010
FX163778	130.50	132.00	1.50	TR	-	.010
FX163779	132.00	133.50	1.50	TR	-	<.010
FX163780	133.50	135.00	1.50	TR	45	<.010
FX163781	135.00	136.50	1.50	TR	-	<.010
FX163782	136.50	138.00	1.50	TR	43	<.010
FX163783	138.00	139.50	1.50	TR	45	.005
FX163784	139.50	141.00	1.50	TR	-	<.010
FX163785	141.00	142.50	1.50	0	42	<.010
FX163786	142.50	144.00	1.50	0	-	<.010
FX163787	144.00	145.50	1.50	0	30	<.010
FX163788	145.50	146.47	.97	0	-	<.010
FX163789	146.47	147.35	.88	0	-	<.010

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		iron carbonate. Massive to weakly foliated.							
147.35	147.90	DIKE							
		Mafic dike. Fine grained, massive, soft, biotitic, black, equigranular. Not magnetic.	FX163790	147.35	147.90	.55	0	-	<.010
147.90	215.50	PERIDOTITE							
		Fine grained to medium grained, soft, talcose, magnetic dark bluish gray to black with 10 to 20% fine grained to medium grained disseminated iron carbonate. Massive.	FX163791	147.90	149.00	1.10	0	-	<.010
			FX163792	149.00	150.50	1.50	0	-	<.010
			FX163793	150.50	152.00	1.50	0	-	<.010
			FX163794	152.00	153.50	1.50	0	-	.010
			FX163795	153.50	155.00	1.50	0	-	<.010
	159.50 161.00	With 15 to 30% disseminated iron carbonate.	FX163796	155.00	156.50	1.50	0	-	<.010
			FX163797	156.50	158.00	1.50	0	-	<.010
			FX163798	158.00	159.50	1.50	0	-	<.010
	161.00 162.50	As above, with 5% disseminated limonite spots 1 to 2 millimetres in size.	FX163799	159.50	161.00	1.50	0	-	<.010
			FX163800	161.00	162.50	1.50	0	-	<.010
			FX163801	162.50	164.00	1.50	0	-	<.010
			FX163802	164.00	165.50	1.50	0	-	<.010
	162.50 168.50	Becoming harder.	FX163803	165.50	167.00	1.50	0	-	<.010
	168.50 171.60	Soft to moderately hard, with rare quartz carbonate veins, several black chlorite talc seams up to 4 millimetres thick and fault fractures at various angles to core axis which are commonly iron stained and some times have minor fault gouge.	FX163804	167.00	168.50	1.50	0	-	<.010
			FX163805	168.50	170.00	1.50	0	-	<.010
			FX163806	170.00	171.60	1.60	0	-	<.010
			FX163807	171.60	172.88	1.28	TR	-	<.010
			FX163808	172.88	174.38	1.50	0	-	<.010
			FX163809	174.38	175.75	1.37	0	-	<.010
			FX163810	175.75	177.25	1.50	0	-	<.010
			FX163811	177.25	178.75	1.50	0	-	<.010
			FX163812	178.75	180.22	1.47	0	-	<.010
			FX163813	180.22	181.25	1.03	0	-	<.010
			FX163814	181.25	181.82	.57	0	-	.125
			FX163815	181.82	182.62	.80	0	-	<.010
	171.60 172.88	Fractured with several gouge filled fault fractures up to 1 centimetre thick and 5% chlorite talc quartz carbonate veining with the chlorite talc being present as very soft green to black streaks and patches. Trace pyrite. Moderately hard to soft.	FX163816	182.62	183.28	.66	0	-	<.010
			FX163817	183.28	184.54	1.26	0	-	<.010
			FX163818	184.54	185.50	.96	0	-	.030
			FX163819	185.50	187.00	1.50	0	-	<.010
			FX163820	187.00	188.50	1.50	0	-	<.010
			FX163821	188.50	190.00	1.50	0	-	<.010
			FX163822	190.00	191.50	1.50	0	-	<.010
			FX163823	191.50	193.00	1.50	0	-	<.010
			FX163824	193.00	194.50	1.50	0	-	<.010
			FX163825	194.50	196.00	1.50	0	-	<.010
			FX163826	196.00	197.50	1.50	0	-	<.010
			FX163827	197.50	199.00	1.50	0	-	.015
	172.88 174.38	Moderately hard to soft, locally fractured	FX163828	199.00	200.50	1.50	0	-	<.010
			FX163829	200.50	202.00	1.50	0	-	<.010

FROM M	TO M	**********DESCRIPTION**********
		and filled with fault gouge up to 1 centimetre thick. Rare serpentine veins.
175.75	177.25	As at 172.88.
180.22	181.82	Strongly fractured and brecciated with numerous fault gouge seams at various angles to core axis. 5% fine grained chlorite, 10% light green talc and 5% quartz carbonate as streaks and veins within the fractured and brecciated zones.
181.82	183.28	Moderately fractured with some thin fault gouge, chlorite and talc.
183.28	184.54	As at 180.22.
187.00	190.00	With 2 to 3% serpentine and chlorite talc veins up to 1 centimetre thick and with minor quartz carbonate veining
190.00	191.50	With 5% dark green chlorite veins and streaks, 2% contorted quartz carbonate veins.
194.50	196.00	With minor serpentine veining up to 5 millimetre thick, 5% white quartz carbonate veins up to 2 centimetres thick.
199.00	200.50	As at 194.50.
200.50	202.00	Minor quartz carbonate talc veining.
203.50	205.00	2 To 3% quartz carbonate chlorite veining. Minor fracturing. trace pyrite.
205.00	206.50	Fracturing at low angle to core axis. In part very chloritic. 20 to 40% iron carbonate.
206.50	208.00	With 5% quartz

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX163830	202.00	203.50	1.50	0	-	<.010
FX163831	203.50	205.00	1.50	TR	-	<.010
FX163832	205.00	206.50	1.50	0	-	<.010
FX163833	206.50	208.00	1.50	0	-	<.010
FX163834	208.00	209.50	1.50	0	-	.010
FX163835	209.50	211.00	1.50	0	-	.010
FX163836	211.00	212.50	1.50	0	-	.010
FX163837	212.50	214.00	1.50	0	-	<.010
FX163838	214.00	215.50	1.50	0	-	<.010

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		carbonate as a banded vein 8 centimetres thick							
		208.00 212.50 Fine grained to medium grained, dark bluish gray to black, weakly magnetic to magnetic. moderately hard, massive, generally mottled appearence. 15 to 25% disseminated fine grained to medium grained iron carbonate. minor black chlorite as seams up to 3 millimetres thick.							
		212.50 214.00 As above with a chlorite serpentine iron carbonate vein sub parallel to core axis 1 centimetre thick.							
		214.00 215.50 As at 209.50.							
215.50	217.18	PYROXENITE							
		Medium grained to coarse grained, dark greenish gray, massive, moderately hard. Weakly magnetic to non magnetic.	FX163839	215.50	216.31	.81	0	-	<.010
			FX163840	216.31	217.18	.87	0	F15	<.010
217.18	218.40	PERIDOTITE							
		As at 208.00, becoming pyroxenitic.	FX163841	217.18	218.40	1.22	0	-	<.010
218.40	222.42	PYROXENITE							
		Fine grained to coarse grained, chloritic, dark gray green. Fractured sub parallel to core axis. 5% white quartz carbonate as patches. Contact with peridotite is gradational.	FX163842	218.40	219.90	1.50	0	-	<.010
			FX163843	219.90	221.44	1.54	0	-	<.010
			FX163844	221.44	222.42	.98	0	-	<.010
		221.44 222.42 Medium grained to coarse grained, dark gray green, massive, moderately hard to soft , and with minor quartz carbonate. Weakly to non magnetic.							
222.42	224.03	PERIDOTITE							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		As at 208.00.	FX163845	222.42	224.03	1.61	0	-	<.010
224.03	226.13	PYROXENITE							
		Medium grained to coarse grained, dark gray green, massive, moderately hard to soft. Minor quartz carbonate. Weakly to non magnetic. Rare iron carbonate.	FX163846	224.03	225.43	1.40	0	-	<.010
			FX163847	225.43	226.13	.70	0	-	<.010
		225.43 226.13 Becoming peridotite. Fine grained to coarse grained, dark green to bluish black. Minor iron carbonate. Weakly magnetic to magnetic. Minor talc quartz carbonate veinlets.							
226.13	255.32	PERIDOTITE							
		Fine grained to medium grained, bluish black, massive, mottled appearence. Moderately hard. magnetic. Minor iron carbonate. Minor quartz carbonate veins. Trace pyrite.	FX163848	226.13	227.50	1.37	TR	-	<.010
			FX163849	227.50	228.27	.77	TR	-	<.010
			FX163850	228.27	229.21	.94	0	-	<.010
			FX163851	229.21	230.50	1.29	0	-	<.010
			FX163852	230.50	232.00	1.50	TR	-	<.010
		228.27 229.21 Strongly deformed and contorted with 15 to 20% talc and fibrous serpentine, 5% iron carbonate. Moderately hard to very soft. Weakly magnetic. 10% white quartz carbonate veins up to 4 centimetres thick.	FX163853	232.00	233.48	1.48	TR	-	<.010
			FX163854	233.48	234.78	1.30	TR	-	<.010
			FX163855	234.78	235.96	1.18	TR	-	<.010
			FX163856	235.96	236.52	.56	TR	-	<.010
			FX163857	236.52	238.02	1.50	TR	-	<.010
			FX163858	238.02	239.52	1.50	TR	-	.445
			FX163859	239.52	241.02	1.50	TR	-	<.010
			FX163860	241.02	242.52	1.50	TR	-	<.010
			FX163861	242.52	244.02	1.50	TR	-	<.010
			FX163862	244.02	245.52	1.50	TR	-	<.010
		229.21 230.50 With minor talc and quartz carbonate patches	FX163863	245.52	247.02	1.50	TR	-	<.010
			FX163864	247.02	248.52	1.50	TR	-	<.010
		233.48 234.78 With several quartz carbonate talc bands up to 10 centimetres thick.	FX163865	248.52	249.49	.97	TR	-	<.010
			FX163866	249.49	250.06	.57	0	-	<.010
			FX163867	250.06	251.56	1.50	0	-	<.010
		235.96 236.52 Moderately to strongly contorted with 5 to 10% fibrous serpentine and talc. 10% quartz carbonate as bands, veins and streaks.	FX163868	251.56	253.06	1.50	0	-	<.010
			FX163869	253.06	254.51	1.45	0	-	<.010
			FX163870	254.51	255.32	.81	0	-	<.010
		236.52 238.02 2% green fibrous serpentine veins up to 1 centimetre thick with minor white quartz							

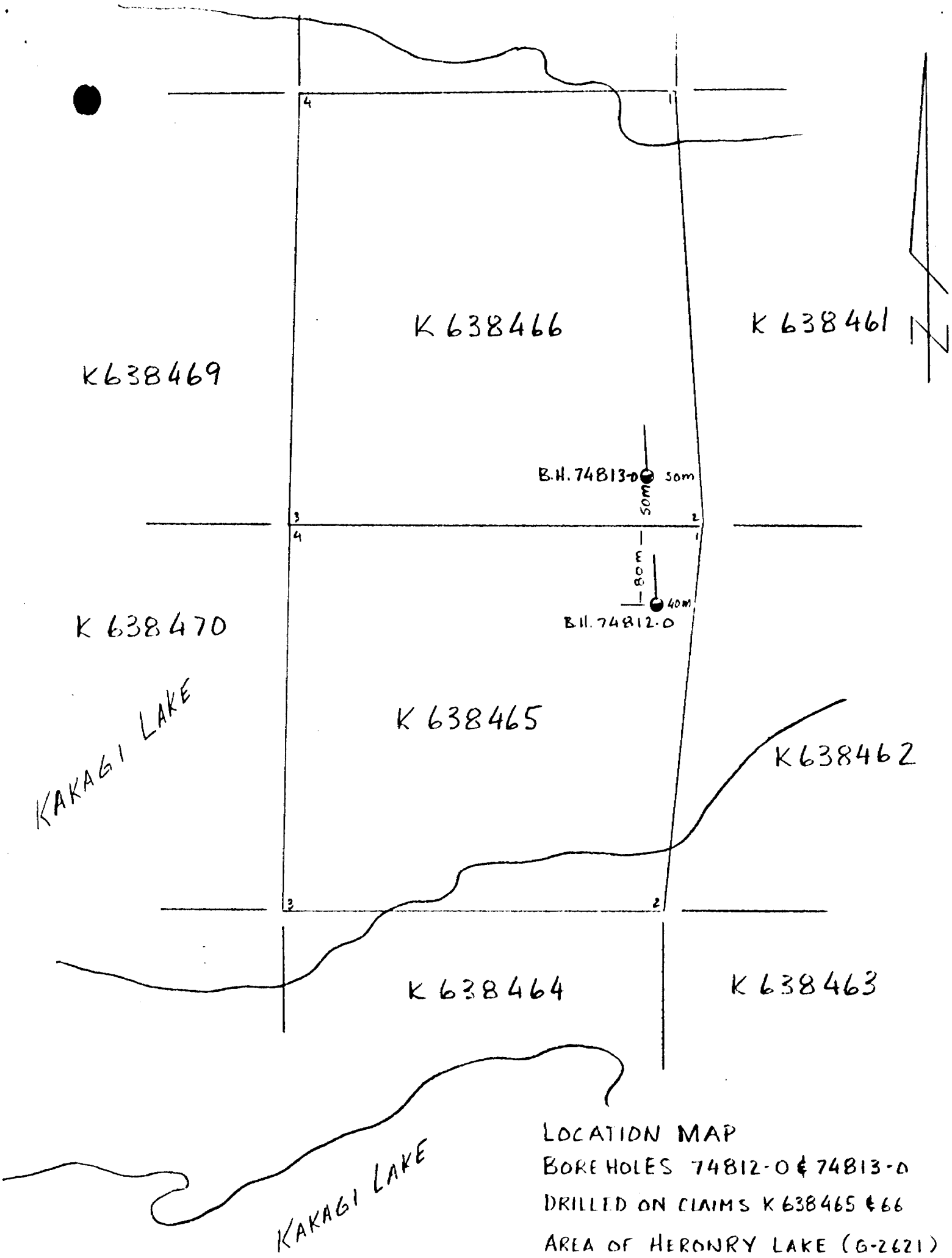
FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		carbonate and trace limonite at various angles to core axis.							
	238.02 239.52	Pyroxenitic in part. 10 centimetre wide ribboned quartz carbonate vein at 238.60							
	239.52 241.02	With 12 centimetre thick quartz carbonate talc vein that has diffuse contacts, at 239.88. Minor fibrous serpentine. Olivine crystals have slight brownish tint.							
	241.02 249.49	Olivine crystals have brownish tint. Minor quartz carbonate veining.							
	249.49 249.84	Strongly altered and contorted with green chlorite and talc. 20% white quartz carbonate as veins and streaks. Blocky.							
	249.84 250.06	Pyroxenitic. Medium grained to coarse grained, dark green to bluish black.							
	250.06 251.56	As at 241.02.							
	251.56 253.06	As above with 2% quartz carbonate talc veining.							
	253.06 254.51	As at 241.02 with 10% fibrous serpentine and talc as veins up to 1 centimetre thick. Fractured with minor fault gouge, blocky. 36% ground core.							
	254.51 255.32	As at 241.02, blocky. 2% quartz carbonate veins up to 3 millimetres thick.							
255.32 257.05		FAULT							
		Fault breccia with 20 to 30% fault gouge. Fragments are of peridotite. Very blocky.	FX163871	255.32	256.16	.84	0	-	.035
			FX163872	256.16	257.05	.89	0	-	<.010
	256.16 257.05	10% fault gouge, 5%							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		fibrous serpentine.							
257.05	258.58	PERIDOTITE							
		Fine grained to medium grained, massive, with 40% pinkish olivine crystals. Bluish black, mottled appearence, soft to moderately hard. Magnetic. Minor serpentine veinlets.	FX163873	257.05	257.88	.83	0	-	<.010
			FX163874	257.88	258.58	.70	0	-	<.010
258.58	259.34	FAULT							
		Fractured and brecciated peridotite with 40% fault gouge.	FX163875	258.58	259.34	.76	0	-	<.010
259.34	282.50	PERIDOTITE							
		As at 257.05.	FX163875	259.34	259.78	.44	0	-	<.010
		259.78 260.74 Very blocky, highly fractured. Talcose, in part chloritic. minor hematite staining.	FX163876	259.78	261.52	1.74	TR	-	<.010
			FX163877	261.52	263.09	1.57	TR	-	<.010
			FX163878	263.09	264.50	1.41	TR	-	<.010
			FX163879	264.50	266.00	1.50	TR	-	<.010
		261.52 263.09 Deformed and contorted. 15% fibrous serpentine, 5% talc as contorted patches and veins. In part fractured and blocky with some hematite staining. Some fractures slickensided.	FX163880	266.00	267.50	1.50	TR	-	<.010
			FX163881	267.50	269.00	1.50	TR	-	<.010
			FX163882	269.00	270.50	1.50	TR	-	<.010
			FX163883	270.50	272.00	1.50	TR	-	<.010
			FX163884	272.00	273.50	1.50	TR	-	<.010
			FX163885	273.50	275.00	1.50	TR	-	<.010
			FX163886	275.00	276.50	1.50	TR	-	<.010
			FX163887	276.50	278.00	1.50	TR	-	<.010
			FX163888	278.00	279.50	1.50	TR	-	<.010
		266.00 272.00 Fine grained to medium grained, massive, bluish black, mottled appearence , weakly magnetic, moderately hard. Minor iron carbonate. Trace pyrite.	FX163889	279.50	281.00	1.50	TR	-	<.010
			FX163890	281.00	282.50	1.50	0	-	<.010
		272.00 273.50 As above with some talc chlorite veinlets and 2% quartz carbonate veins up to 5 millimetres thick.							
		273.50 279.50 As at 266.00. Very weakly magnetic to not magnetic.							
		279.50 281.00 As above with minor quartz carbonate talc veining.							
		281.00 282.50 As at 266.00, becoming							

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		pyroxintic. Blocky, fractured with some hematite staining on fractures. 5% ribboned white quartz carbonate veins up to 3 centimetres thick at various angles to core axis.							
282.50	291.25	PYROXENITE							
		Medium grained to coarse grained, dark black gray, massive, not magnetic, minor iron carbonate and moderately hard. In part fractured and blocky with minor fault gouge on some fractures. 3% quartz carbonate veins with minor light green talc.	FX163891	282.50	283.71	1.21	0	-	<.010
			FX163892	283.71	284.54	.83	0	-	<.010
			FX163893	284.54	285.81	1.27	0	-	<.010
			FX163894	285.81	287.16	1.35	0	-	<.010
			FX163895	287.16	287.98	.82	0	C25	<.010
			FX163896	287.98	289.20	1.22	TR	-	<.010
			FX163897	289.20	290.45	1.25	TR	-	<.010
			FX163898	290.45	291.25	.80	TR	-	<.010
		283.71 284.54 Not fractured.							
		284.54 285.81 As above with 60% white calcareous quartz veins up to 40 centimetres thick with minor light green talc streaks and with irregular contacts at various angles to core axis.							
		285.81 287.16 1% quartz carbonate veins.							
		287.16 287.98 Medium grained to coarse grained, massive, in part brecciated. 20% white calcareous quartz as veins and veinlets, at 25 degrees to core axis, sub parallel to core and cementing brecciated areas.							
		287.98 289.20 Medium grained to coarse grained, massive, moderately hard to soft, mottled. not magnetic. Consists primarily of pyroxene crystals. Dark gray black. Minor iron carbonate. trace pyrite							
		289.20 290.45 As above with minor							

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		quartz veins up to 3 millimetres thick.							
		290.45 291.25 As at 287.98.							
291.25	292.35	FAULT							
		Strongly fractured and brecciated with fragments cemented by fault gouge. Contacts sharp. Fragments consist of peridotite and pyroxenite.	FX163899	291.25	292.35	1.10	0	C15	.010
292.35	300.12	PYROXENITE							
		Medium grained to coarse grained, massive, moderately hard to soft, mottled, not magnetic. Consists of mainly pyroxene crystals. Dark gray black. Trace pyrite.	FX163900	292.35	292.95	.60	0	-	<.010
			FX163901	292.95	293.95	1.00	0	F25	<.010
			FX163902	293.95	295.38	1.43	0	-	<.010
			FX163903	295.38	296.88	1.50	0	-	<.010
			FX163904	296.88	297.18	.30	0	-	<.010
		292.95 293.95 Fractured with minor fault gouge. In part blocky. Altered with streaks and patches of light green to white calcite. Moderately to strongly foliated.	FX163905	297.18	298.08	.90	0	-	<.010
			FX163906	298.08	298.88	.80	0	-	<.010
			FX163907	298.88	300.12	1.24	0	-	<.010
		297.18 298.08 With two white calcareous quartz veins 4 centimetres thick.							
		298.08 300.12 With several calcite talc veins and fault gouge filled fractures at various angles to core axis.							
300.12	301.23	FAULT							
		Strongly fractured and brecciated with 60% fault gouge. Weakly to moderately calcareous.	FX163908	300.12	301.23	1.11	0	-	<.010
301.23	303.75	PYROXENITE							
		Medium grained to coarse grained, dark gray, massive, soft to moderately hard. 5% calcite as veins and veinlets up to 3 millimetres thick. Weakly fractured.	FX163909	301.23	302.32	1.09	0	-	<.010
			FX163910	302.32	303.43	1.11	0	-	<.010
			FX163911	303.43	303.75	.32	0	-	<.010
		302.32 303.43 Fractured with several fault gouge fillrd seams. Contorted.							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		moderately to strongly foliated. 15% white calcareous quartz veins and stringers.							
	303.43	303.75 As above but less deformed. 30% white calcareous quartz carbonate veins and patches.							
303.75	305.71	FAULT							
		Strongly fractured and brecciated with 30 to 60% fault gouge. Calcareous. 5% white quartz carbonate veins, veinlets and streaks.	FX163912	303.75	305.00	1.25	0	-	<.010
			FX163913	305.00	305.71	.71	0	-	<.010
	305.00	305.71 As above. Ultramafic rock fragments strongly foliated. Foot of hole.							



LOCATION MAP
BOREHOLES 74812-0 & 74813-0
DRILLED ON CLAIMS K 638465 & 66
AREA OF HERONRY LAKE (G-2621)
SCALE 1:5000

**********INCO LIMITED**********
FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT :	CROW	NTS SHEET #:	52-F-4	STARTED	:02-25-86
PROPERTY :	Penn Option	TOWNSHIP	:	COMPLETED	:03-01-86
BOREHOLE :	74812-0	PROVINCE	:Ontario	MEASUREMENTS(M/FT)	:M
LATITUDE :N	9175.0 M	COUNTRY	:Canada	DRILLED BY	:Bradley Bros.
DEPARTURE:E	8300.0 M	CLAIM #	:K638465	DRILL TYPE	:Boyles 37A
ELEVATION:	1337.0 M	GRID NAME	:Penn	CORE SIZE	:BQ
AZIMUTH :	355.0	BL AZIMUTH	:085	TEST METHOD	:Acid
DIP :	-45.0	BH BEARING	:360	ASSAYED FOR	:Gold
DEPTH :	306.6 M	LOGGED BY	:A.Aubut		

COMMENTS :Collar is 40 m west and 80 m south of post 1.

********DEVIATION RECORDS********

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
15.24	355.0	-52.00	137.16	355.0	-51.00	259.08	355.0	-49.00
45.72	355.0	-52.00	162.64	355.0	-51.00	289.56	355.0	-48.00
76.20	355.0	-52.00	198.12	355.0	-50.00	306.63	355.0	-48.00
106.68	355.0	-52.00	231.65	355.0	-49.00			

**********DESCRIPTION**********

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
.00	15.24	OVERBURDEN 12 Metre of water followed by overburden of mud, sand and gravel..							
15.24	34.64	PERIDOTITE Fine grained to medium grained, soft, dark blackish gray. Talcose. Weakly foliated to massive. 30% altered olivine. Weak to moderate iron carbonate alteration. Minor quartz carbonate veins up to 4 millimetres thick. weakly magnetic. Minor disseminated leucoxene. 32.35 34.64 Becoming moderately foliated. Chloritic, 2% quartz carbonate veinlets	FX141001	15.24	16.74	1.50	0	-	(.005
			FX141002	16.74	18.24	1.50	0	-	(.005
			FX141003	18.24	19.74	1.50	0	-	(.005
			FX141004	19.74	21.24	1.50	0	-	(.005
			FX141005	21.24	22.74	1.50	0	-	(.005
			FX141006	22.74	24.24	1.50	0	-	(.005
			FX141007	24.24	25.74	1.50	0	-	(.005
			FX141008	25.74	27.24	1.50	0	-	(.005
			FX141009	27.24	28.74	1.50	0	-	(.005
			FX141010	28.74	30.24	1.50	0	-	(.005
			FX141011	30.24	31.74	1.50	TR	-	(.005
			FX141012	31.74	32.35	.61	0	-	(.005
			FX141013	32.35	33.20	.85	0	F40	(.005
			FX141014	33.20	34.64	1.44	0	-	(.005
34.64	35.28	DIKE Gray, fine grained to medium grained, moderately hard. 5% leucoxene. Strongly foliated. Leucocratic.	FX141015	34.64	35.28	.64	0	F30	.010

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
JUL 2 1986
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FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
35.28	38.52	PERIDOTITE							
		Weakly to strongly foliated. Fine grained to medium grained. Soft, chloritic, talcose, with several bands of fault gouge up to 3 centimetres thick. Weakly magnetic.	FX141016	35.28	36.36	1.08	0	-	.010
			FX141017	36.36	37.11	.75	0	-	<.005
			FX141018	37.11	38.52	1.41	0	-	.015
38.52	79.99	PERIDOTITE							
		Medium grained dark blackish gray peridotite. Weakly foliated, 20% altered olivine, soft, talcose and weakly magnetic. Weak to moderate iron carbonate alteration. 2 to 5% quartz carbonate veins up to 3 millimetres thick.	FX141019	38.52	40.08	1.56	0	F50	<.005
			FX141020	40.08	41.45	1.37	0	-	<.005
			FX141021	41.45	43.00	1.55	0	-	<.005
			FX141022	43.00	44.50	1.50	0	-	.005
			FX141023	44.50	46.00	1.50	0	F35	.010
			FX141024	46.00	47.50	1.50	0	-	.005
			FX141025	47.50	49.00	1.50	0	-	<.005
		55.00 56.50 Trace pyrite.	FX141026	49.00	50.50	1.50	0	-	<.005
		62.50 63.51 With 5% talc as a contorted vein 1 centimetre thick flanked by white quartz carbonate. 3% quartz carbonate veins.	FX141027	50.50	52.00	1.50	0	-	.060
			FX141028	52.00	53.50	1.50	0	-	.080
			FX141029	53.50	55.00	1.50	0	-	<.005
			FX141030	55.00	56.50	1.50	TR	-	<.005
			FX141031	56.50	58.00	1.50	0	-	<.005
			FX141032	58.00	59.50	1.50	0	-	<.005
		63.51 64.00 With 1% pyrite as scattered crystals up to 3 millimetres.	FX141033	59.50	61.00	1.50	0	-	<.005
			FX141034	61.00	62.50	1.50	0	-	<.005
			FX141035	62.50	63.51	1.01	0	-	<.005
		64.00 65.50 With minor contorted talc patches.	FX141036	63.51	64.00	.49	1	-	<.005
			FX141037	64.00	65.50	1.50	0	-	<.005
		71.50 73.00 With a 6 centimetre thick talc- quartz carbonate vein at 72.21.	FX141038	65.50	67.00	1.50	0	-	<.005
			FX141039	67.00	68.50	1.50	0	-	<.005
			FX141040	68.50	70.00	1.50	0	-	<.005
		75.73 76.30 With 30% quartz carbonate as one contorted 1 centimetre thick vein sub parallel to core axis.	FX141041	70.00	71.50	1.50	0	-	<.005
			FX141042	71.50	73.00	1.50	0	-	<.005
			FX141043	73.00	74.50	1.50	0	-	<.005
			FX141044	74.50	75.73	1.23	0	-	<.005
		76.30 77.80 Trace pyrite.	FX141045	75.73	76.30	.57	0	-	.005
		79.30 79.99 Becoming moderately foliated.	FX141046	76.30	77.80	1.50	TR	-	<.005
			FX141047	77.80	79.30	1.50	0	-	<.005
			FX141048	79.30	79.99	.69	0	F40	<.005
79.99	81.17	SCHIST							
		Chlorite talc schist. Fine grained, dark green, very soft, and talcose. Several thin fault seams. Folded. Blocky, in part fissile.	FX141049	79.99	81.17	1.18	0	-	<.005
81.17	91.75	PERIDOTITE							
		Medium grained to coarse grained,	FX141050	81.17	82.66	1.49	0	-	<.005

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		dark gray, soft, weakly foliated to massive. 5% quartz iron carbonate talc veins up to 1.5 centimetres thick at various angles to core axis.	FX141051	82.66	84.12	1.46	0	-	<.005
			FX141052	84.12	85.60	1.48	0	-	<.005
			FX141053	85.60	87.17	1.57	0	-	<.005
			FX141054	87.17	88.58	1.41	0	-	<.005
		82.66 90.02 Medium grained dark blackish gray. Soft, 15 to 20% altered olivine. Weak iron carbonate alteration. Massive. Minor quartz iron carbonate talc veins.	FX141055	88.58	90.02	1.44	0	-	<.005
			FX141056	90.02	91.35	1.33	2	-	.005
			FX141057	91.35	91.75	.40	0	-	<.005
		90.02 91.35 As 82.66 with 10% ribboned and weakly brecciated quartz carbonate veins. 2% disseminated pyrite crystals up to 2 millimetres.							
		91.35 91.75 As 82.66.							
91.75	95.60	SCHIST							
		Chlorite talc schist. Fine grained dark blackish green. Very soft, strongly foliated. Greasy feel. 1% disseminated pyrite. Minor quartz carbonate veins with diffuse contacts. Patches of unfoliated and less altered peridotite.	FX141058	91.75	93.27	1.52	1	F38	.005
			FX141059	93.27	94.65	1.38	1	F40	.005
			FX141060	94.65	95.60	.95	1	F20	<.005
95.60	118.50	PERIDOTITE							
		Medium grained, dark blackish gray. Soft, talcose, massive, weak iron carbonate alteration. Weakly magnetic. 20 to 30% white altd olivine? xtl'. Trace disseminated pyrite.	FX141061	95.60	97.10	1.50	TR	-	<.005
			FX141062	97.10	98.60	1.50	1	-	<.005
			FX141063	98.60	100.10	1.50	TR	-	<.005
			FX141074	100.10	101.60	1.50	TR	-	<.005
			FX141065	101.60	103.10	1.50	TR	-	<.005
			FX141066	103.10	104.60	1.50	TR	-	<.005
		97.10 98.60 1% pyrite.	FX141067	104.60	106.10	1.50	TR	-	<.005
		101.60 110.60 As 97.10, fine grained to medium grained, trace pyrite, minor quartz carbonate veins and patches.	FX141068	106.10	107.60	1.50	TR	-	<.005
			FX141069	107.60	109.10	1.50	TR	-	<.005
			FX141070	109.10	110.60	1.50	0	-	<.005
			FX141071	110.60	112.10	1.50	1	F55	<.005
			FX141072	112.10	112.67	.57	TR	-	.005
		110.60 112.10 As 101.60 with 1% disseminated pyrite as crystals up to 2 millimetres.	FX141073	112.67	114.00	1.33	TR	F52	<.005
			FX141074	114.00	115.50	1.50	TR	-	<.005
			FX141075	115.50	117.00	1.50	TR	-	<.005
			FX141076	117.00	118.50	1.50	TR	-	.005
		112.10 112.67 As 101.60 with several bands of fault gouge up							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		to 3 centimetres thick, between 112.22 and 112.67.							
	112.67 114.00	As 95.60. Moderately foliated.							
	114.00 118.50	As 95.60. 5 to 10% quartz carbonate veins up to 2 centimetres with some associated black chlorite streaks. Massive to weakly foliated.							
118.50 171.84	GABBRO								
		Medium grained, dark gray, massive to weakly foliated. 30 to 35% white to light green feldspar. Soft and talcose. 5% light gray quartz carbonate veins up to 3 centimetres thick.	FX141077	118.50	120.00	1.50	TR	-	<.005
			FX141078	120.00	121.50	1.50	TR	-	.035
			FX141079	121.50	123.00	1.50	TR	-	.025
			FX141080	123.00	124.50	1.50	TR	-	.040
			FX141081	124.50	126.00	1.50	2	-	.010
			FX141082	126.00	127.50	1.50	TR	-	.010
	124.50 126.00	As 118.50 with 2% pyrite as large crystals up to 1 centimetre in size in a 4 centimetre thick quartz carbonate vein at 124.96.	FX141083	127.50	129.00	1.50	TR	-	<.005
			FX141084	129.00	130.50	1.50	TR	-	.020
			FX141085	130.50	132.00	1.50	TR	-	.065
			FX141086	132.00	133.50	1.50	3	-	.470
			FX141087	133.50	135.00	1.50	1	-	1.210
			FX141088	135.00	136.50	1.50	TR	-	.045
			FX141089	136.50	138.00	1.50	TR	-	.005
	126.00 127.50	As 118.50.	FX141090	138.00	139.50	1.50	1	-	.010
	127.50 132.00	Medium grained to coarse grained, dark gray to dark green gray. Weakly foliated to massive. 30 to 40% light green to gray feldspar. Moderately hard. Very weakly magnetic. trace to 1% disseminated pyrite. Up to 5% white quartz veins and quartz carbonate veins up to 2 centimetres thick.	FX141091	139.50	141.00	1.50	TR	-	.015
			FX141092	141.00	142.50	1.50	TR	-	.015
			FX141093	142.50	142.92	.42	2	-	1.440
			FX141094	142.92	143.95	1.03	2	-	.065
			FX141095	143.95	145.08	1.13	4	-	.410
			FX141096	145.08	145.55	.47	2	-	.175
			FX141097	145.55	146.96	1.41	TR	-	.015
			FX141098	146.96	147.50	.54	TR	-	.015
			FX141099	147.50	148.97	1.47	1	-	.110
			FX141100	148.97	150.47	1.50	TR	-	.025
			FX139901	150.47	152.00	1.53	1	-	.005
			FX139902	152.00	153.50	1.50	1	-	.005
			FX139903	153.50	155.00	1.50	TR	-	.265
			FX139904	155.00	156.50	1.50	TR	-	.040
	132.00 133.50	As 127.50 with 3% pyrite up to 5 millimetres in quartz carbonate veins and as disseminated in gabbro.	FX139905	156.50	158.00	1.50	2	-	.115
			FX139906	158.00	159.50	1.50	2	-	.085
			FX139907	159.50	161.00	1.50	3	-	.075
			FX139908	161.00	162.50	1.50	TR	-	<.005
			FX139909	162.50	164.00	1.50	TR	-	.015
	133.50 135.00	As 127.50 with 1% pyrite and trace	FX139910	164.00	165.50	1.50	TR	-	.005
			FX139911	165.50	167.00	1.50	TR	-	.020

FROM M	TO M	**********DESCRIPTION**********
		chalcopyrite.
135.00	138.00	As 127.50.
138.00	139.50	As 127.50 with 1% disseminated pyrite as crystals up to 2 millimetres.
139.50	141.00	As 127.50 with 5% contorted white quartz carbonate veins, locally vuggy. trace pyrite.
141.00	142.50	As 127.50 with some brown sericite alteration of feldspars. trace to 1% disseminated pyrite.
142.50	142.92	As 127.50 with 2% disseminated pyrite.
142.92	143.95	As 127.50 with 50% white quartz carbonate as contorted and irregular veins, containing black chlorite stringers and some black tourmaline crystals. Gabbro inclusions locally have fuchsite alteration. 2% pyrite disseminated in gabbro.
143.95	145.08	Fine grained to medium grained, massive gabbro. 40% light gray feldspar. Equigranular. First 2 centimetres bleached to brown gray, balance is gray. 4% disseminated pyrite as crystals up to 2 millimetres. Hard.
145.08	145.55	Medium grained, massive gabbro with 40% feldspar. Gray, equigranular. 2% disseminated pyrite. Hard. Brown sericite altered feldspar.
145.55	147.50	As above, medium grained to coarse grained, minor quartz

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX139912	167.00	167.47	.47	TR	-	<.005
FX139913	167.47	168.84	1.37	TR	-	.010
FX139914	168.84	170.23	1.39	2	-	.055
FX139915	170.23	170.88	.65	TR	-	.005
FX139916	170.88	171.84	.96	TR	-	.060

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		carbonate veins. Trace to 1% pyrite.							
147.50	148.97	Medium grained to coarse grained gabbro. Crystal boundaries diffuse. Mottled appearence. Massive. Gray to dark gray. Up to 5% quartz carbonate veins up to 1 centimetre thick, commonly with some fuchsite streaks. 1% fine grained disseminated pyrite.							
148.97	150.47	As above with 5% quartz carbonate veins, trace pyrite.							
150.47	153.50	As 147.50. 1% pyrite as crystals up to 3 millimetres.							
153.50	155.00	As above with 10% weakly brecciated and contorted quartz carbonate veins. Trace pyrite.							
155.00	156.50	As 147.50 with 10% white quartz carbonate veins and stringers and 3% lime green fuchsite alteration commonly along vein margins and as alteration halos up to 8 centimetres thick with fuchsite content quickly decreasing away from veins. Trace pyrite.							
156.50	158.00	As above with 1 to 2% disseminated pyrite.							
158.00	159.50	As 155.00. 1% fuchsite, 2% fine grained disseminated pyrite.							
159.50	161.00	As 155.00. 2% fuchsite, 3% fine grained disseminated pyrite. Veins form a complex stockwork.							
161.00	164.00	As above, trace pyrite.							
164.00	165.50	Medium grained massive							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		gabbro. Gray, hard. 35 to 40% light gray to light brown feldspar. 5 to 10% quartz carbonate veinlet and vein stockwork. Trace disseminated pyrite.							
165.50	167.47	As above with 5% light yellow leucoxene. Locally some weak hematite alteration along quartz carbonate veins. Weak iron carbonate alteration. Minor fuchsite. Trace disseminated pyrite.							
167.47	168.84	As 165.50. 10 to 15% quartz and quartz carbonate stockwork. up to 4% lime green fuchsite. A limonite seam at 167.56. Trace pyrite.							
168.84	170.23	Medium grained gray green gabbro. Hard, massive. Some light yellow leucoxene. 30% white to light gray quartz carbonate as a vein sub parallel to core up to 2 centimetres thick and as numerous veinlets and veins at various angles. Some fuchsite alteration. 2% fine grained disseminated pyrite.							
170.23	170.88	As above with 10% quartz carbonate veins. Increase in leucoxene. Trace pyrite.							
170.88	171.84	Medium grained to coarse grained, gray green, massive gabbro with 5% light yellow leucoxene. Some thin fuchsite alteration halos around several quartz carbonate veins.							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		2 to 3% quartz carbonate veins and veinlets. Trace pyrite.							
171.84	172.30	DIKE							
		Felsite dike. Fine grained, light brown, leucocratic, hard, massive. 20% disseminated iron carbonate. 5% fine grained disseminated pyrite. Minor quartz veins.	FX139917	171.84	172.30	.46	5	-	.050
172.30	190.60	GABBRO							
		Medium grained to coarse grained massive to weakly foliated gabbro. Green gray. 5 to 8% light yellow leucoxene. 2% disseminated pyrite. minor quartz carbonate veins. Weak iron carbonate alteration.	FX139918	172.30	173.80	1.50	2	-	3.720
			FX139919	173.80	175.30	1.50	TR	-	<.005
			FX139920	175.30	176.80	1.50	TR	-	<.005
			FX139921	176.80	178.30	1.50	TR	-	<.005
			FX139922	178.30	179.32	1.02	TR	-	<.005
			FX139923	179.32	180.10	.78	TR	-	.005
		173.80 180.10 As above with trace pyrite, 5% contorted quartz carbonate veins and trace fuchsite. Trace leucoxene.	FX139924	180.10	181.00	.90	5	-	.025
			FX139925	181.00	182.55	1.55	3	-	.375
			FX139926	182.55	183.50	.95	3	-	.105
			FX139927	183.50	185.00	1.50	1	-	.035
			FX139928	185.00	186.50	1.50	TR	-	<.005
		180.10 181.00 As above with 5% fine grained disseminated pyrite up to 1 millimetre.	FX139929	186.50	188.00	1.50	TR	-	.015
			FX139930	188.00	189.50	1.50	TR	-	<.005
			FX139931	189.50	190.60	1.10	TR	-	.005
		181.00 183.50 Fine grained gray massive gabbro. Crystal boundaries are diffuse. Hard. 10% disseminated iron carbonate, minor quartz carbonate veins up to 1 centimetre. 3% fine grained disseminated pyrite.							
		183.50 185.00 Fine grained to medium grained gray massive gabbro. Hard. Minor quartz carbonate veins. 1% disseminated pyrite.							
		185.00 188.00 Medium grained gray to green gray massive gabbro. Hard, equigranular, 3% quartz carbonate veins with trace fuchsite and							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		some hematite. Trace pyrite.							
	188.00 189.50	Fine grained to medium grained, gray green, hard, massive to weakly foliated. minor quartz carbonate veinlets. Trace pyrite.							
	189.50 190.60	As above becoming more fine grained. 5% quartz carbonate veins up to 1.5 centimetres.							
190.60 201.77	LAPILLI TUFF								
		Dacite lapilli tuff. Fine grained to very fine grained, very hard, gray green. Generally mottled appearence. locally sub angular dacite porphyry fragments up to 2 centimetres in size present. Trace pyrite. Some sericite. Massive to weakly foliated.	FX139932	190.60	191.73	1.13	TR	-	1.200
			FX139933	191.73	192.71	.98	1	-	.030
			FX139934	192.71	193.85	1.14	TR	-	<.005
			FX139935	193.85	194.77	.92	TR	-	.010
			FX139936	194.77	195.23	.46	0	-	<.005
			FX139937	195.23	195.68	.45	0	-	.005
			FX139938	195.68	196.52	.84	0	-	<.005
	191.73 192.71	Brownish gray to light brownish green. 1% disseminated pyrite.	FX139939	196.52	197.92	1.40	0	-	.010
			FX139940	197.92	199.19	1.27	0	-	<.005
			FX139941	199.19	200.62	1.43	TR	-	.210
	192.71 194.77	Dacite flow. Gray to green gray, very hard. very fine grained to fine grained. Up to 40% feldspar microlites. Massive to weakly foliated. Some sericite. Trace pyrite.	FX139942	200.62	201.77	1.15	0	-	<.005
	194.77 195.23	Dacite flow. Very fine grained, gray, very hard. 20 to 30% feldspar microlites. Minor quartz carbonate veinlets.							
	195.23 195.68	Dacite flow. Very fine grained, 10% microlites. Massive. 5% quartz carbonate veinlets.							
	195.68 196.52	As at 194.77.							
	196.52 197.92	Dacite lapilli tuff. 30% sub angular to rounded clasts up to 2 centimetres in size. Gray to green gray.							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		Matrix finely spotted due to numerous feldspar microlites.							
	197.92 199.19	As at 192.71.							
	199.19 200.62	As above with trace pyrite.							
	200.62 201.77	Dacite lapilli tuff. Gray becoming light gray last 10 centimetres. Weakly mottled appearence. Minor quartz carbonate veins.							
201.77 212.14	GABBRO								
		Gray green to green. Medium grained.	FX139943	201.77	203.35	1.58	TR	-	<.005
		2 to 5% leucoxene, decreasing away	FX139944	203.35	204.85	1.50	TR	-	<.005
		from contact with dacite. Moderately	FX139945	204.85	206.35	1.50	TR	-	<.005
		hard. Massive to weakly foliated.	FX139946	206.35	207.85	1.50	TR	-	<.005
		Trace pyrite. 5% contorted quartz	FX139947	207.85	208.67	.82	0	-	<.005
		carbonate veins and veinlets.	FX139948	208.67	210.05	1.38	0	-	<.005
	203.35 207.85	Without leucoxene.	FX139949	210.05	211.30	1.25	0	-	<.005
	207.85 208.67	Medium grained, weakly foliated to massive. Gray green. 5% contorted quartz carbonate veinlets. Hard	FX139950	211.30	212.14	.84	TR	-	.010
	208.67 210.05	As above with 10% light brown, hematite stained quartz carbonate veins and veinlets. Some hematite streaks and patches in veins.							
	210.05 211.30	As 207.85. Fine grained to medium grained.							
	211.30 212.14	Chilled gabbro ?. Fine grained, locally medium grained. Gray green. Weakly foliated. Hard. Trace disseminated pyrite. 5% pink quartz carbonate veins up to 2 centimetres thick.							
212.14 225.11	LAPILLI TUFF								
		Dacite lapilli tuff, green gray,	FX139951	212.14	213.65	1.51	0	-	<.005
		locally pinkish. 15% lapilli	FX139952	213.65	215.16	1.51	0	-	<.005
		fragments up to 3 centimetres in	FX139953	215.16	216.66	1.50	1	-	.085

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		size. Sub angular to rounded. Matrix has mottled appearence with up to 20% feldspar microlites. Minor quartz carbonate veinlets. Very hard and siliceous.	FX139954	216.66	218.16	1.50	0	-	.005
			FX139955	218.16	219.56	1.40	0	-	<.005
			FX139956	219.56	221.06	1.50	0	-	<.005
			FX139957	221.06	222.56	1.50	0	-	<.005
			FX139958	222.56	224.06	1.50	0	-	<.005
		213.65 215.16 As above. One boulder 25 centimetres long.	FX139959	224.06	225.11	1.05	0	-	.015
		215.16 216.66 As above with light green patches and streaks. 1% fine grained disseminated pyrite.							
		216.66 218.16 Locally feldspar phyric.							
		222.56 224.06 Matrix becoming chloritic.							
		224.06 225.11 Chloritic matrix.							
225.11	225.68	DIKE							
		Fine grained, light brown gray to green gray. First 25 centimetres is bleached and altered with 2% fine grained disseminated pyrite. Contacts are sharp at 20 degrees to core axis.	FX139960	225.11	225.68	.57	2	-	.100
225.68	228.43	BASALT							
		Fine grained, green, massive, equigranular. 5% quartz carbonate and minor hematite as veinlets and veins.	FX139961	225.68	227.12	1.44	0	-	.020
			FX139962	227.12	228.43	1.31	0	-	.010
228.43	230.62	DACITE							
		Fine grained, hard, siliceous, gray green. Trace disseminated pyrite.	FX139963	228.43	229.64	1.21	TR	-	.040
			FX139964	229.64	230.62	.98	4	C26	.125
		229.64 230.62 In part altered with several light brown bleached pyritic bands up to 10 centimetres thick with diffuse contacts. 4% disseminated pyrite concentrated primarily in areas of alteration but scattered throughout. Weakly foliated to massive.							
230.62	280.50	LAPILLI TUFF							

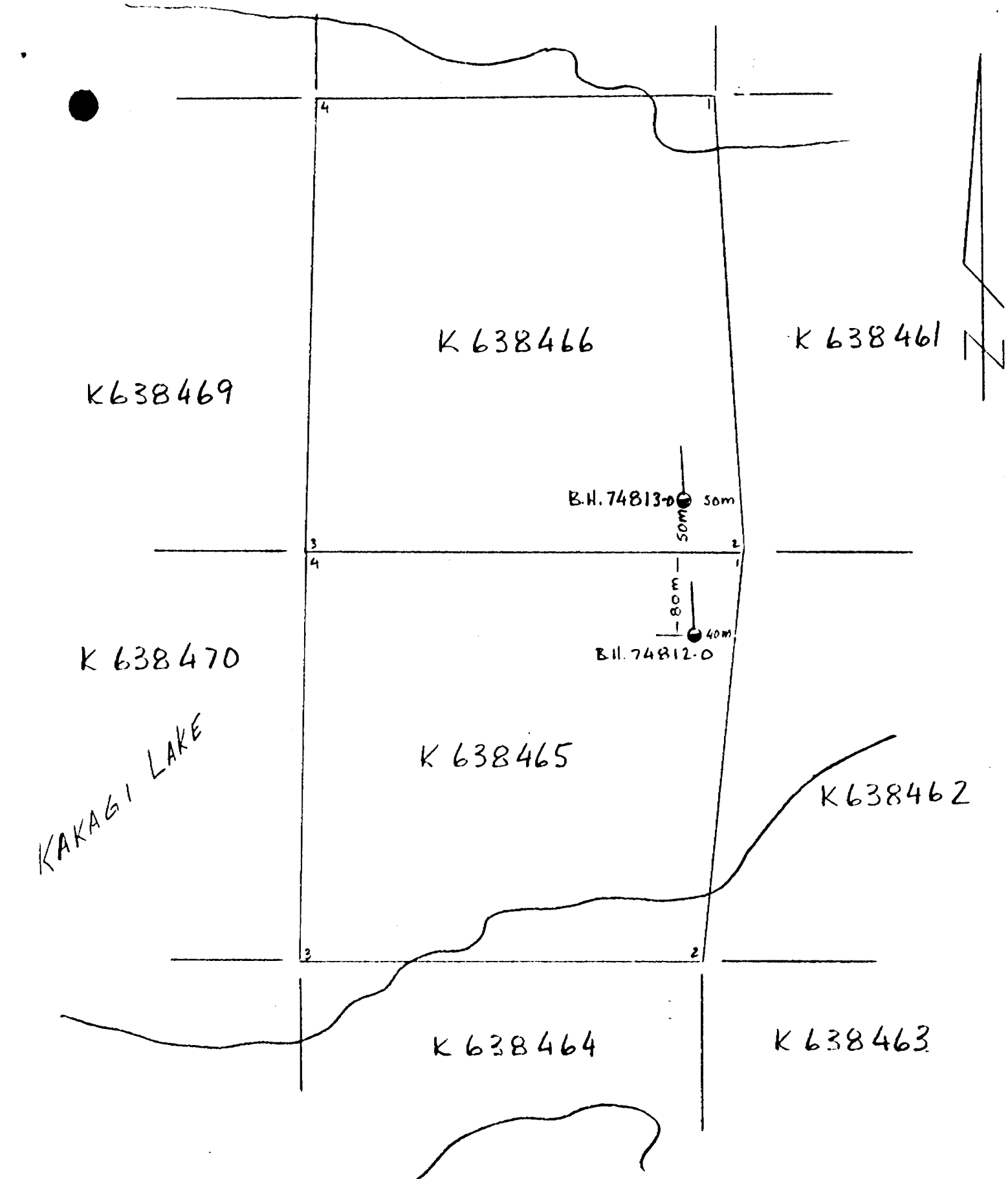
FROM M	TO M	**********DESCRIPTION**********
		Dacite lapilli tuff. Gray to gray green. Several mafic porphyritic dacite flow cobbles. 2% disseminated pyrite as crystals up to 2 millimetres
231.12	233.60	More intermediate lapilli tuff. 5% dacite fragments set in chloritic fine grained matrix. Hard, massive to weakly foliated.
233.60	254.60	Dacite lapilli tuff. Similar to above but more siliceous. 20 to 30% rounded dacite fragments which frequently blend in with the matrix and are hard to spot though some are pinkish and stand out. Fragments are polymictic but mainly dacitic in composition. Green gray, hard, minor quartz carbonate veinlets.
254.60	258.30	As above becoming grayer
258.30	260.19	As at 233.60.
260.19	261.42	Dacite. Very fine grained, light gray green to gray. 5% quartz carbonate veins. Weakly foliated.
261.42	263.22	Dacite flow. Very fine grained, hard, massive, siliceous. Dark gray to gray. Some feldspar microlites.
263.22	263.90	Dacite lapilli tuff. Gray green to green. Hard. 20% lapilli fragments up to 4 millimetres. Weakly foliated to massive.
263.90	264.93	Dacite flow with flowtop breccia first 36 centimetres. Breccia has 15% light gray quartz carbonate. Massive, pale green

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX139965	230.62	231.12	.50	2	-	.020
FX139966	231.12	233.60	2.48	0	-	.010
FX139967	233.60	235.10	1.50	0	-	.010
FX139968	235.10	236.60	1.50	0	-	(.005
FX139969	236.60	238.10	1.50	0	-	(.005
FX139970	238.10	239.60	1.50	0	-	(.005
FX139971	239.60	241.10	1.50	0	-	(.005
FX139972	241.10	242.60	1.50	0	-	.035
FX139973	242.60	244.10	1.50	0	-	(.005
FX139974	244.10	245.60	1.50	0	-	(.005
FX139975	245.60	247.10	1.50	0	-	(.005
FX139976	247.10	248.60	1.50	0	-	.005
FX139977	248.60	250.10	1.50	0	-	(.005
FX139978	250.10	251.60	1.50	0	-	.005
FX139979	251.60	253.10	1.50	0	-	(.005
FX139980	253.10	254.60	1.50	0	-	(.005
FX139981	254.60	256.10	1.50	0	-	(.005
FX139982	256.10	257.15	1.05	0	-	(.005
FX139983	257.15	258.30	1.15	0	F42	(.005
FX139984	258.30	259.72	1.42	0	F35	(.005
FX139985	259.72	260.19	.47	0	-	(.005
FX139986	260.19	261.42	1.23	0	-	.095
FX139987	261.42	262.44	1.02	0	-	(.005
FX139988	262.44	263.22	.78	0	-	.025
FX139989	263.22	263.90	.68	0	-	.025
FX139990	263.90	264.93	1.03	0	-	(.005
FX139991	264.93	266.45	1.52	0	C35	(.005
FX139992	266.45	267.95	1.50	0	-	.010
FX139993	267.95	269.45	1.50	0	-	(.005
FX139994	269.45	270.95	1.50	0	-	(.005
FX139995	270.95	272.45	1.50	0	-	(.005
FX139996	272.45	273.95	1.50	0	-	.015
FX139997	273.95	275.45	1.50	0	-	.010
FX139998	275.45	276.15	.70	0	-	.020
FX139999	276.15	277.15	1.00	0	-	(.005
FX140000	277.15	278.24	1.09	0	F30	(.005
FX163715	278.24	279.00	.76	0	-	(.010
FX163716	279.00	280.50	1.50	0	F33	.010

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		gray. Lower contact sharp.							
	264.93 269.45	Dacite lapilli tuff. Fine grained, gray to gray green. Some epidote alteration. Weakly magnetic from 1 to 2% disseminated magnetite. 10 to 25% dacitic fragments commonly with mafic phenocrysts. Sub angular to rounded.							
	269.45 270.95	As above with decreasing epidote alteration.							
	270.95 276.15	As at 233.60. Locally weakly magnetic.							
	276.15 278.24	Dacite lapilli tuff. Pale gray green to green. Moderately to strongly foliated. Minor quartz carbonate veins. Becoming chloritic.							
	278.24 279.00	Dacite lapilli tuff. Green to gray green. Moderately to strongly foliated. Folded. Chloritic. 5% contorted quartz carbonate veins.							
	279.00 280.50	As 277.15. Chloritic. Some lapilli fragments present though somewhat stretched.							
280.50 282.00		SCHIST							
		Chlorite sericite schist. Strongly foliated. Pale green to light gray green. Probably originally dacite lapilli tuff. Some quartz carbonate veins up to 1 centimetre thick.	FX163717	280.50	282.00	1.50	0	F30	<.010
282.00 287.22		LAPILLI TUFF							
		Dacite lapilli tuff as at 233.60.	FX163718	282.00	283.50	1.50	0	-	<.010
	286.03 286.66	With 10% white contorted quartz veins up to 8 centimetres	FX163719	283.50	285.00	1.50	0	-	<.010
			FX163720	285.00	286.03	1.03	0	-	<.010
			FX163721	286.03	286.66	.63	0	-	<.010

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		thick.	FX163722	286.66	287.22	.56	0	F23	<.010
		286.66 287.22 As at 277.15. 5% contorted quartz carbonate veins up to 1 centimetre thick.							
287.22	291.13	SCHIST							
		Chlorite sericite schist. Fine grained, strongly foliated, gray green colour. Streaky appearence. Sheared lapilli tuff. 5% quartz carbonate veins, in part contorted.	FX163723	287.22	288.34	1.12	0	F23	<.010
		288.34 289.09 Minor white quartz veins	FX163724	288.34	289.09	.75	0	F16	<.010
		289.09 291.13 Folded in part, with foliation sub parallel to core axis. 10 to 15% light gray quartz carbonate as patches, bands and streaks. Trace leucoxene. Moderately hard.	FX163725	289.09	290.59	1.50	0	F07	<.010
			FX163726	290.59	291.13	.54	0	F34	<.010
291.13	300.36	LAPILLI TUFF							
		Dacite lapilli tuff. Fine grained, gray green, hard, weakly to moderately foliated. 5 to 15% lapilli fragments up to 5 centimetre in size, commonly with mafic phenocrysts. Minor quartz carbonate veinlets.	FX163727	291.13	292.63	1.50	0	-	<.010
			FX163728	292.63	294.13	1.50	0	-	<.010
			FX163729	294.13	295.63	1.50	0	F37	<.010
			FX163730	295.63	297.13	1.50	0	-	<.010
			FX163731	297.13	298.63	1.50	0	F47	<.010
			FX163732	298.63	299.41	.78	0	F30	<.010
			FX163733	299.41	300.36	.95	0	-	<.010
		297.13 298.63 Gray green to pale green							
		298.63 300.36 Pale gray green. Moderately foliated. 20% lapilli and bomb fragments up to 5 centimetres in size. Sub rounded to rounded. Commonly have mafic phenocrysts. Fragments becoming stretched.							
300.36	302.20	SCHIST							
		Chlorite sericite schist. Fine grained, strongly foliated, pale gray green to green. Streaky appearence. Some stretched out chlorite clots minor quartz carbonate veins.	FX163734	300.36	301.14	.78	0	F37	<.010
			FX163735	301.14	302.20	1.06	0	F30	<.010

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		301.14 302.20 With sericite and chlorite streaks. 15% quartz and iron carbonate as patches, bands and contorted veins which are pinkish in colour. 2% dark brown hematite as patches within quartz carbonate veins.							
302.20	303.47	TUFF							
		Intermediate tuff. Fine grained, green gray, weakly to moderately foliated. Moderately hard.	FX163736	302.20	303.47	1.27	0	-	<.010
303.47	306.63	SCHIST							
		Sericite schist. Light gray with scattered chlorite clots. 2% vuggy quartz carbonate veins with 1% associated dark brown hematite patches.	FX163737	303.47	304.30	.83	0	F40	<.010
			FX163738	304.30	305.47	1.17	0	F36	<.010
			FX163739	305.47	306.63	1.16	0	F30	<.010
		305.47 306.63 With 5% hematite as staining on fractures, as patches in quartz carbonate veins and as streaks scattered throughout. Foot of hole							



LOCATION MAP
BOREHOLES 74812-0 & 74813-0
DRILLED ON CLAIMS K 638465 & 66
AREA OF HERONRY LAKE (G-2621)
SCALE 1:5000

**********INCO LIMITED**********
FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT :	CROW	NTS SHEET #:	52-F-4	STARTED	:03-16-86
PROPERTY :	Penn Option	TOWNSHIP	:	COMPLETED	:03-19-86
BOREHOLE :	74816-0	PROVINCE	:Ontario	MEASUREMENTS(M/FT)	:M
LATITUDE :N	9550.0 M	COUNTRY	:Canada	DRILLED BY	:Bradley Bros.
DEPARTURE:E	9600.0 M	CLAIM #	:K589479	DRILL TYPE	:Boyles 37A
ELEVATION:	1365.0 M	GRID NAME	:Penn	CORE SIZE	:BQ
AZIMUTH :	175.0	BL AZIMUTH	:085	TEST METHOD	:Acid
DIP :	-45.0	BH BEARING	:180	ASSAYED FOR	:Gold
DEPTH :	260.3 M	LOGGED BY	:A.Aubut		

COMMENTS :Collar is 120m east and 150m south of post #4. 3.66m casing left in hole.

********DEVIATION RECORDS********

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
3.70	175.0	-48.00	121.90	175.0	-43.00	243.80	175.0	-37.00
30.50	175.0	-49.00	152.40	175.0	-43.00	260.30	175.0	-36.00
61.00	175.0	-45.00	182.90	175.0	-40.00			
91.40	175.0	-46.00	213.40	175.0	-38.00			

**********DESCRIPTION**********

FROM M	TO M		SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
.00	3.66	OVERBURDEN							
3.66	5.12	SCHIST Fine grained, green, moderately hard. 10% disseminated iron carbonate. Chloritic. 10% light yellow stretched clots of sericitized feldspar producing a spotted appearence. Strongly foliated. 2 to 3% quartz carbonate veins. 4.38 5.12 Darker green. With 15 to 25% gray to white quartz carbonate streaks, lenses and patches. More calcareous. Weakly magnetic.	FX188040	3.66	4.38	.72	-	F47	<.010
			FX188041	4.38	5.12	.74	-	F43	<.010
5.12	28.20	BASALT Fine grained, dark green, soft to moderately hard. Very chloritic, moderately to strongly foliated. Weakly magnetic. 1 to 4% fine grained disseminated magnetite. Trace pyrite. 10 to 15% iron carbonate as streaks and disseminated rhombic crystals. Weakly mottled. 2% quartz carbonate veins.	FX188042	5.12	6.62	1.50	TR	F40	<.010
			FX188043	6.62	8.12	1.50	TR	F42	<.010
			FX188044	8.12	9.62	1.50	TR	-	<.010
			FX188045	9.62	11.12	1.50	TR	F46	<.010
			FX188046	11.12	12.62	1.50	TR	-	<.010
			FX188047	12.62	13.79	1.17	TR	F44	<.010
			FX188048	13.79	14.04	.25	TR	-	<.010
			FX188049	14.04	16.50	2.46	TR	F53	<.010
			FX188050	16.50	18.00	1.50	TR	F55	<.010

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		8.12 9.62 In part weakly calcareous.	FX188051	18.00	19.50	1.50	TR	-	<.010
		9.62 13.79 Trace to 1% fine grained light yellow leucoxene, weakly to moderately foliated.	FX188052	19.50	20.77	1.27	TR	-	<.010
			FX188053	20.77	21.12	.35	TR	-	<.010
			FX188054	21.12	22.56	1.44	TR	F48	<.010
			FX188055	22.56	23.36	.80	TR	-	<.010
		13.79 20.77 Weakly to moderately foliated, 1 to 2% light yellow leucoxene. Finely spotted appearence. 15% disseminated fine grained iron carbonate. 3 to 4% quartz carbonate veins, usually contorted. Chloritic.	FX188056	23.36	24.12	.76	TR	F45	<.010
			FX188057	24.12	24.87	.75	TR	-	<.010
			FX188058	24.87	26.10	1.23	TR	F55	<.010
			FX188059	26.10	26.66	.56	TR	-	<.010
			FX188060	26.66	28.20	1.54	TR	F48	.005
		20.77 21.12 20% pinkish gray quartz carbonate as contorted patches.							
		21.12 23.36 As at 13.79 becoming strongly foliated and more chloritic.							
		24.12 26.10 As at 21.12 with 5% quartz carbonate veins and veinlets.							
		26.10 26.66 Moderately foliated, green gray, weakly chloritic, 15 to 20% iron carbonate streaks. Soft.							
28.20	31.70	SCHIST							
		Fine grained, dark green, chloritic to very chloritic. Strongly foliated. 10 to 15% strongly contorted quartz carbonate wisps, patches, streaks and veins. 1% light yellow leucoxene, trace pyrite, 5 to 10% disseminated iron carbonate and as streaks.	FX188061	28.20	29.70	1.50	TR	-	<.010
			FX188062	29.70	31.20	1.50	TR	F45	<.010
			FX188063	31.20	31.70	.50	TR	-	<.010
		31.20 31.70 10% quartz carbonate patches, streaks and veins							
31.70	40.91	BASALT							
		Fine grained, green to gray green. Weakly to moderately foliated, moderately hard, 25 to 30% disseminated iron carbonate. 10% disseminated granules of ilmenite?, black, metallic, weakly to non magnetic, reddish brown streak. 3 to 5% quartz carbonate veins up to 1	FX188064	31.70	33.14	1.44	TR	F52	<.010
			FX188065	33.14	34.60	1.46	TR	-	<.010
			FX188066	34.60	36.20	1.60	TR	-	<.010
			FX188067	36.20	37.60	1.40	TR	F40	<.010
			FX188068	37.60	38.88	1.28	TR	-	<.010
			FX188069	38.88	39.76	.88	TR	F43	<.010
			FX188070	39.76	40.91	1.15	1	-	<.010

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		centimetre thick. Trace pyrite, chalcopyrite.							
		31.70 33.14 Dark green, chloritic, 10% gray quartz carbonate masses , veins, and patches.							
		37.60 38.88 With 5% quartz carbonate veins up to 5 millimetres thick, in part contorted.							
		38.88 39.76 Moderately to strongly foliated, chloritic. Ilmenite is totally altered to light gray leucoxene. 10% gray to white quartz carbonate as contorted patches , streaks and discontinuous veins up to 4 millimetres thick.							
		39.76 40.91 As above with leucoxene content decreasing in last 30 centimetres. 1% pyrite as streaks and disseminated crystals.							
40.91	43.76	SCHIST							
		Strongly deformed and contorted. Gray green, fine grained, hard. 40% light gray quartz carbonate as wisps, patches and streaks with almost a brecciated appearence with fragments being stretched in various directions. Chloritic, lineated, strongly foliated but with foliation also deformed. Locally remnant gray green leucoxene present. 1% pyrite as scattered fine grained to medium grained crystals.	FX188071	40.91	42.41	1.50	1	-	<.010
			FX188072	42.41	43.76	1.35	1	-	<.010
43.76	63.26	GABBRO							
		Medium grained, gray, strongly foliated, moderately hard, 1 to 8% crushed ilmenite grains. minor quartz carbonate veinlets. 30 to 35% iron carbonate, moderately chloritic.	FX188073	43.76	44.10	.34	8	C30	2.465
			FX188074	44.10	44.50	.40	1	F40	.030
			FX188075	44.50	44.94	.44	5	-	.875
			FX188076	44.94	46.50	1.56	0	F33	<.010
			FX188077	46.50	48.00	1.50	0	-	<.010
		43.76 44.10 With 1.5 centimetre thick quartz vein surrounded by a bleached, silicified,	FX188078	48.00	49.50	1.50	0	F30	<.010
			FX188079	49.50	51.00	1.50	0	F40	<.010
			FX188080	51.00	52.50	1.50	0	-	<.010

FROM M	TO M	**********DESCRIPTION**********
		carbonatized, pyritic alteration envelope. 8% fine grained to medium grained pyrite as crystals up to 2 millimetres. light gray, hard with 30% iron carbonate as streaks, discontinuous veins and disseminated.
44.10	44.50	Fine grained to medium grained, green gray to light gray, moderately to strongly foliated, chloritic. 8% ilmenite partially altered to leucoxene. Moderately hard , carbonatized. 15% quartz iron carbonate streaks. Becoming bleached. 1% pyrite.
44.50	44.94	Bleached, silicified, carbonatized and pyritic. Light gray to gray. 4 centimetre thick quartz vein in centre. 5% fine grained to medium grained disseminated pyrite.
46.50	48.00	Upper 35 centimetres has 3 diffuse quartz carbonate zones and 3% scattered black tourmaline. Rest of section has 1% tourmaline.
48.00	49.50	1 To 2% scattered medium grained tourmaline grains.
49.50	51.00	5 To 8% quartz carbonate veins up to 12 centimetres thick with some displacement and contorting of veins. Lineation rakes 35 degrees on the foliation plane. Trace to 1% tourmaline.
51.00	52.50	Weakly to moderately foliated. 5% quartz carbonate veins up to 8 centimetres thick, locally contorted.

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX188081	52.50	54.00	1.50	0	-	<.010
FX188082	54.00	55.16	1.16	0	F43	.030
FX188083	55.16	55.90	.74	0	-	.020
FX188084	55.90	56.72	.82	TR	F25	<.010
FX188085	56.72	57.24	.52	0	-	<.010
FX188086	57.24	58.60	1.36	0	F35	<.010
FX188087	58.60	59.20	.60	0	-	<.010
FX188088	59.20	60.08	.88	0	-	<.010
FX188089	60.08	60.76	.68	TR	-	<.010
FX188090	60.76	61.64	.88	1	F38	<.010
FX188091	61.64	62.18	.54	TR	F40	.040
FX188092	62.18	63.26	1.08	TR	-	.300

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
52.50	54.00	Fine grained to medium grained, weakly to moderately foliated.							
54.00	55.16	5% quartz carbonate veins up to 1 centimetre thick. Weakly folded and contorted.							
55.16	55.90	15% quartz carbonate veins up to 1 centimetre thick and strongly crenulated with minor black tourmaline. Generally sub parallel to core axis with strongly folded knots, and is locally vuggy.							
55.90	56.72	Strongly foliated and lineated. Sericitic, chloritic. 5% quartz carbonate veins up to 1.5 centimetres thick. Trace pyrite.							
56.72	57.24	60% strongly folded and contorted quartz carbonate with 40% sericitic, chloritic, strongly deformed gabbro. 1 to 2% black tourmaline as crenulated veinlets.							
57.24	59.20	Trace to 1% ilmenite, 3% quartz carbonate veins up to 2 centimetres thick at various angles to core.							
59.20	60.08	Folded and crenulated with 20% simpathetic quartz carbonate veins up to 1 centimetre thick, in part sub parallel to core. 2% chlorite veinlets. Ilmenite is mostly altered to leucoxene.							
60.08	60.76	Becoming bleached. Strongly carbonatized. Gray to light gray, moderately to weakly foliated, moderately hard. Leucoxene becoming rarer, probably due to replacement. Trace to 1%							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		fine grained disseminated pyrite.							
	60.76 61.64	Bleached. Very strongly carbonatized with 60% iron carbonate. Light gray, moderately hard, weakly foliated, 5% chlorite streaks, 1% pyrite. Now quartz sericite iron carbonate rock. Last 15 centimetres has 15% black tourmaline veinlets and streaks.							
	61.64 62.18	10% light green leucoxene. Magnetic. Weakly to moderately foliated. Dark green, with trace very fine grained pyrite and chalcopyrite. 15% white quartz carbonate veins up to 1 centimetre thick and are in part folded and contorted.							
	62.18 63.26	Dark gray, fine grained to medium grained, magnetic, trace chalcopyrite and pyrite. Weakly foliated. 3% quartz carbonate veins up to 3 millimetres thick.							
63.26	82.60	BASALT							
		Fine grained, dark green, massive, chloritic, moderately hard, magnetic. 8 to 12% ilmeno magnetite as disseminated grains. Trace to 1% very fine grained chalcopyrite and pyrite.	FX188093	63.26	64.76	1.50	TR	F30	.010
			FX188094	64.76	65.81	1.05	TR	-	<.010
			FX188095	65.81	66.57	.76	1	-	.030
			FX188096	66.57	67.13	.56	5	C50	<.010
			FX188097	67.13	68.50	1.37	TR	-	.020
			FX188098	68.50	69.69	1.19	TR	-	.030
	63.26 64.67	Contact with gabbro gradational. Very strongly carbonatized with 30 to 35% iron carbonate. 3 to 5% quartz carbonate veins up to 1 centimetre thick. Weakly foliated.	FX188099	69.69	70.43	.74	TR	-	.100
			FX188100	70.43	71.32	.89	3	-	.040
			FX188101	71.32	72.82	1.50	TR	-	.020
			FX188102	72.82	74.32	1.50	TR	-	.295
			FX188103	74.32	75.40	1.08	TR	-	<.005
			FX188104	75.40	76.40	1.00	TR	-	<.005
			FX188105	76.40	77.94	1.54	TR	F37	.010
			FX188106	77.94	79.11	1.17	TR	-	<.005
	64.67 65.81	25 To 30% iron carbonate.	FX188107	79.11	80.47	1.36	0	-	<.005

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
65.81	66.57	10 To 25% iron carbonate. Minor quartz carbonate veinlets, 1% pyrite, trace chalcopyrite.	FX188108	80.47	81.47	1.00	0	F32	.370
			FX188109	81.47	82.60	1.13	0	-	.005
66.57	67.13	With 18 centimetre thick white quartz carbonate vein. Basalt has 15% iron carbonate, 5% disseminated pyrite crystals up to 2 millimetres. Vein contacts sharp.							
67.13	69.69	5% iron carbonate, weakly calcareous, 5% quartz carbonate veins up to 1 centimetre thick.							
69.69	70.43	Weakly to moderately calcareous.							
70.43	70.70	Strongly calcareous, 5% disseminated pyrite, weakly foliated.							
70.70	70.92	Bull quartz vein.							
70.92	71.32	Strongly to moderately calcareous, 3% pyrite crystals up to 2 millimetres.							
71.32	72.82	Weakly calcareous, 3 to 5% quartz carbonate veins up to 5 millimetres at various angles to core.							
72.82	74.32	Locally pitted due to water soluable mineral. Minor quartz carbonate veins up to 2 millimetres thick.							
74.32	76.40	2 To 3% quartz carbonate veins up to 4 millimetres thick. Moderately calcareous.							
76.40	79.11	Weakly to moderately foliated. Ilmenite lamelli altered to light gray leucoxene. Stretched medium grained magnetite - leucoxene grains produce a spotted appearence. 3 to 5% quartz carbonate veins up to 1 centimetre thick. Locally pitted due to							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		water soluable mineral. Weakly to moderately calcareous.							
		79.11 80.47 Leucoxene alteration of ilmenite lamelli greatly decreased. Ilmeno magnetite grains up to 3 millimetre. Massive to weakly foliated.							
		80.47 81.47 Fine grained with medium grained patches. Weakly foliated with 3 to 5% leucoxene altered ilmeno magnetite grains. 5% disseminated iron carbonate. 5% quartz carbonate veins up to 6 millimetres thick.							
		81.47 82.60 3 To 5% leucoxene altered ilmeno magnetite. Weakly foliated. 5% disseminated fine grained iron carbonate. 5% quartz carbonate veins up to 4 millimetres thick. Very weakly to non magnetic.							
82.60	89.48	GABBRO							
		Medium grained to fine grained, gray to dark gray, moderately hard, mottled, weakly to moderately foliated. 5 to 10% fine grained disseminated iron carbonate. 10% light green gray skeletal leucoxene.	FX188110	82.60	83.30	.70	2	F40	.605
			FX188111	83.30	84.64	1.34	TR	-	.005
			FX188112	84.64	86.20	1.56	TR	F43	.015
			FX188113	86.20	87.70	1.50	TR	-	.005
			FX188114	87.70	88.60	.90	TR	-	(.005
			FX188115	88.60	89.48	.88	2	-	.010
		82.60 83.30 2% fine grained disseminated pyrite, 5% quartz carbonate veins up to 5 millimetres thick. Contact with basalt is gradational.							
		83.30 86.20 Dark gray, fine grained to medium grained, trace pyrite.							
		87.70 88.60 Weakly foliated to massive, pale gray, 15% disseminated fine grained iron carbonate.							
		88.60 89.48 As above with 2% pyrite as crystals up to 2							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		millimetres. 5 centimetre thick quartz carbonate vein at 89.21.							
89.48	130.68	GABBRO							
		Altered gabbro. Very pale green gray,	FX188116	89.48	90.82	1.34	2	F45	.010
		leucocratic, bleached, silicified, 20	FX188117	90.82	91.56	.74	3	-	.085
		to 35% fine grained disseminated iron	FX188118	91.56	92.20	.64	5	-	1.500
		carbonate. Almost completely devoid	FX188119	92.20	93.25	1.05	4	F45	.010
		of mafics. Medium grained to coarse	FX188120	93.25	93.87	.62	3	-	.075
		grained, hard to very hard ,	FX188121	93.87	95.00	1.13	3	F45	.130
		moderately foliated, mottled. 5%	FX188122	95.00	95.95	.95	6	-	2.190
		light gray skeletal leucoxene,	FX188123	95.95	96.71	.76	2	-	1.340
		sometimes partially replaced by	FX188124	96.71	97.67	.96	3	F48	1.910
		pyrite. 2% disseminated fine grained	FX188125	97.67	98.19	.52	4	-	.780
		to medium grained pyrite as crystals	FX188126	98.19	98.72	.53	6	-	1.540
		up to 2 millimetres.	FX188127	98.72	100.24	1.52	2	-	.025
		90.82 91.56 3% pyrite crystals up to	FX188128	100.24	101.00	.76	2	-	.050
		4 millimetres.	FX188129	101.00	101.80	.80	1	-	.030
		91.56 92.20 With 20% white quartz	FX188130	101.80	102.80	1.00	2	-	.335
		carbonate veins up to 12	FX188131	102.80	103.64	.84	1	F42	.040
		centimetre thick. 5%	FX188132	103.64	104.21	.57	2	-	2.950
		medium grained to coarse	FX188133	104.21	104.41	.20	2	-	.095
		grained pyrite as	FX188134	104.41	104.92	.51	3	-	.155
		crystals up to 6	FX188135	104.92	106.32	1.40	3	F43	.160
		millimetres disseminated	FX188136	106.32	107.24	.92	3	-	.055
		in the gabbro. 1%	FX188137	107.24	108.00	.76	2	-	.275
		chalcopyrite and minor	FX188138	108.00	109.08	1.08	1	-	.070
		black tourmaline streaks	FX188139	109.08	109.98	.90	TR	-	.010
		in the largest quartz	FX188140	109.98	110.95	.97	TR	-	.005
		carbonate vein.	FX188141	110.95	112.45	1.50	TR	-	.005
		92.20 93.25 4% pyrite.	FX188142	112.45	113.20	.75	1	F42	<.005
		93.25 93.87 With 10% with quartz	FX188143	113.20	114.10	.90	3	-	1.240
		carbonate veins up to 4	FX188144	114.10	115.60	1.50	TR	F50	.005
		centimetres thick. 3%	FX188145	115.60	115.96	.36	4	-	3.060
		black tourmaline as	FX188146	115.96	116.41	.45	1	-	.090
		disseminated crystals and	FX188147	116.41	116.64	.23	1	-	<.005
		bands within the gabbro.	FX188148	116.64	117.64	1.00	2	F47	.055
		30 to 40% iron carbonate.	FX188149	117.64	118.40	.76	2	-	.015
		3% pyrite as crystals up	FX188150	118.40	119.50	1.10	TR	-	.030
		to 3 millimetres.	FX188151	119.50	121.00	1.50	1	F40	.070
		93.87 95.00 Weakly fractured, blocky.	FX188152	121.00	122.04	1.04	2	-	.160
		10% white quartz	FX188153	122.04	123.20	1.16	TR	F47	.025
		carbonate veins up to 10	FX188154	123.20	124.45	1.25	TR	F51	<.005
		centimetres thick at	FX188155	124.45	125.49	1.04	1	F46	.075
		high angles to the core.	FX188156	125.49	126.07	.58	1	-	.445
		3% pyrite as crystals up	FX188157	126.07	127.30	1.23	TR	-	<.005
		to 4 millimetres but	FX188158	127.30	128.32	1.02	TR	-	.015
		mainly 1 to 2	FX188159	128.32	129.84	1.52	TR	F54	<.005

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		millimetres. Rare tourmaline.	FX188160	129.84	130.68	.84	TR	F45	<.005
95.00	95.95	Very pale green gray to light pinkish gray. 10% quartz carbonate veins up to 2.5 centimetres thick. 6% medium grained to coarse grained pyrite up to 3 millimetres.							
95.95	96.71	White quartz carbonate vein with 1% chalcopyrite as scattered patches and 1% pyrite as disseminated crystals. 5% black tourmaline as mats of acicular crystals and as veinlets. 20% altered gabbro inclusions.							
96.71	97.67	As at 95.00 with 5% white quartz carbonate veins up to 4 centimetres thick. 3% coarse grained to medium grained pyrite as crystals up to 4 millimetres. Trace chalcopyrite, minor tourmaline.							
97.67	98.19	4% pyrite as crystals up to 4 millimetres.							
98.19	98.72	Not mottled. Light green gray to light pinkish gray. With 10% quartz carbonate veins up to 3 centimetres thick. 6% coarse grained pyrite crystals, 2 to 4 millimetres on average and up to 1 centimetre. 1% tourmaline veinlets in quartz carbonate veins.							
98.72	100.24	Light pinkish gray to light green gray. 2% fine grained disseminated pyrite.							
100.24	101.00	8 To 10% gray skeletal leucoxene with diffuse borders up to 2 millimetres in size giving rock spotted appearence, light green							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		gray. One 4 centimetre thick quartz carbonate vein. 2% medium grained disseminated pyrite.							
101.00	101.80	As above, light gray green. Leucoxene not Pressure shadows around pyrite crystals. 1% pyrite.							
101.80	102.80	Light pinkish gray. Leucoxene very fuzzy. 2% pyrite. minor quartz carbonate veins up to 1 centimetre thick with some chalcopyrite and tourmaline. Hematitized fracture at bottom..							
102.80	103.64	Very pale pink. 1% medium grained pyrite.							
103.64	104.21	As above with 3 centimetre thick quartz carbonate vein at top with 10% tourmaline streaks and crystals. Upper contact of quartz carbonate vein is hematitized. 2% medium grained pyrite.							
104.21	104.41	Quartz carbonate vein with 5% streaks and thin veinlets of black tourmaline. 2% chalcopyrite as patches.							
104.41	104.92	Very pale pink. Moderately to strongly foliated. 3% pyrite as crystals up to 3 millimetres.							
104.92	107.24	Very pale pink to light pink. 3% disseminated pyrite as crystals up to 4 millimetres. One 3 centimetre thick quartz vein with 1% chalcopyrite.							
107.24	108.00	Light gray, massive to weakly foliated, 2% disseminated pyrite as crystals up to 2							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		millimetres.							
108.00	109.08	Medium grained, light gray to pale gray with up to 10% chlorite spots. 1% fine grained pyrite. Pyrite content decreases with increasing chlorite content. Massive to weakly foliated.							
109.08	109.98	Medium grained, pale gray, 10% chlorite, weakly foliated, trace pyrite, weak iron carbonate.							
109.98	112.45	Light gray, 25 to 30% fine grained disseminated iron carbonate. 3 to 5% gray leucoxene with diffuse borders , and up to 2 millimetres in size. Trace pyrite. Minor quartz carbonate veins up to 1 centimetre.							
112.45	113.20	As above with 1% pyrite.							
113.20	114.10	As at 109.98 with 3% medium grained pyrite as crystals up to 3 millimetres. 10% white quartz carbonate tourmaline veining up to 3 centimetres thick.							
114.10	115.60	As at 109.98.							
115.60	115.96	As above with 15% quartz carbonate tourmaline veining and 4% fine grained to medium grained disseminated pyrite.							
115.96	116.41	As at 109.98 with 1% disseminated pyrite.							
116.41	116.64	Quartz carbonate vein with 1% chalcopyrite, 2% black tourmaline.							
116.64	117.64	Light gray, 25% iron carbonate, 5% very diffuse leucoxene, 2% fine grained disseminated pyrite.							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
117.64	118.40	Slightly greenish light gray. Minor chlorite seams. 2 to 3% diffuse leucoxene. 1 to 2% pyrite. 25% white quartz carbonate veins up to 7 centimetres thick with scattered patches chalcopyrite, 1% tourmaline veinlets.							
118.40	119.50	Light gray to light pink, mottled, 3 to 5% diffuse gray leucoxene and trace pyrite.							
119.50	121.00	Light pink, minor quartz carbonate veins and veinlets with associated pyritic envelopes. 1% pyrite.							
121.00	122.04	Light pink to pink, minor quartz carbonate veins up to 1 centimetre thick. 2% fine grained pyrite as pyritic envelopes enclosing quartz carbonate veins and along light gray streaks							
122.04	123.20	Pink, 1 to 3% leucoxene, trace pyrite.							
123.20	124.45	Pink to light pink. 5 to 10% leucoxene. Granitic appearence. Trace pyrite.							
124.45	125.49	As above with a 5 centimetre thick quartz carbonate vein containing trace tourmaline, 2% pyrite. 1% overall fine grained to medium grained disseminated pyrite mainly in the area of the quartz carbonate vein. decreasing amount of leucoxene.							
125.49	126.07	Light pinkish gray. 8% quartz carbonate as a knot with some tourmaline streaks. In							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		part very strongly silicified with associated 1% very fine grained pyrite.							
	126.07	127.30 Light gray, minor leucoxene, trace pyrite.							
	127.30	128.10 Light gray, 3 to 5% medium grained leucoxene, trace to 1% pyrite.							
	128.10	128.32 White quartz carbonate vein with 3% chlorite streaks, trace pyrite.							
	128.32	129.84 Light gray, moderately to strongly foliated, 3% leucoxene, trace pyrite, minor quartz carbonate veins.							
	129.84	130.68 Strongly foliated, light gray to light pinkish gray. 5% quartz carbonate veins up to 1 centimetre thick. Trace to 1% pyrite.							
130.68	136.70	SCHIST							
		Strongly foliated, fine grained, green gray to pale gray, sericitic, chloritic, 10 to 15% disseminated iron carbonate. Trace to 1% disseminated fine grained black tourmaline crystals. 3 to 5% light green streked out leucoxene. 10% white to light pinkish brown quartz carbonate veins up to 1.5 centimetres thick concordant to foliation.	FX188161	130.68	131.20	.52	0	F45	<.005
			FX188162	131.20	131.96	.76	0	F45	<.005
			FX188163	131.96	132.86	.90	0	F40	.010
			FX188164	132.86	133.76	.90	0	-	.020
			FX188165	133.76	134.42	.66	0	F43	.005
			FX188166	134.42	135.27	.85	0	F35	<.005
			FX188167	135.27	135.76	.49	0	F37	.035
			FX188168	135.76	136.70	.94	0	F35	<.005
	136.70	131.20 Pale gray to gray. 2% tourmaline.							
	133.76	134.42 Slightly reddish tint. Strongly hematitized along fractures.							
	134.42	135.27 Reddish due to 2 to 3% disseminated hematite. 5% light yellow quartz carbonate veins in part strongly hematitized.							
	135.27	135.76 Medium grained, sheared gabbro. Hematitized.							

FROM M	TO M	DESCRIPTION
		20% light yellow altered, crushed and stretched feldspar giving a streaky appearence. Strongly foliated.
	135.76 136.70	Becoming bleached. Green gray to very pale gray with slight reddish tint. Very strongly foliated. Mafics rapidly dissappearing in first 20 centimetres. Very sericitic. Leucocratic.
136.70 155.31		GABBRO
		Altered gabbro. Medium grained to fine grained, light pinkish gray to light gray, bleached, silicified, carbonatized, hard to very hard, leucocratic. Trace light green chlorite. 25 to 30% disseminated iron carbonate. Weakly to moderately foliated. 3 to 5% gray leucoxene as diffuse and broken clots.
	136.70 138.10	Moderately foliated, trace pyrite, minor quartz carbonate veins up to 1.5 centimetres.
	138.10 139.52	Locally strongly silicified and pyritic. 1% pyrite.
	139.52 141.02	With 5% brownish quartz carbonate veins up to 8 centimetres thick with strongly hematitized and fractured contacts. Trace pyrite.
	141.02 142.34	Trace to 1% pyrite.
	142.34 143.49	1% pyrite. 8 centimetre wide mylonite zone.
	143.49 144.54	With four fractures that have strongly hematitized oxidization rinds 1 to 3 centimetres thick. 1% pyrite.
	144.54 145.22	Light greenish gray.

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX188169	136.70	138.10	1.40	TR	F38	(.005
FX188170	138.10	139.52	1.42	1	-	.035
FX188171	139.52	141.02	1.50	TR	-	.010
FX188172	141.02	142.34	1.32	TR	F44	.010
FX188173	142.34	143.49	1.15	1	F42	.020
FX188174	143.49	144.54	1.05	1	-	.050
FX188175	144.54	145.22	.68	TR	-	(.005
FX188176	145.22	146.34	1.12	1	-	.010
FX188177	146.34	147.15	.81	1	-	.295
FX188178	147.15	148.22	1.07	1	-	.010
FX188179	148.22	149.62	1.40	2	-	.135
FX188180	149.62	150.94	1.32	1	-	.095
FX188181	150.94	151.42	.48	2	-	.185
FX188182	151.42	153.62	2.20	1	-	.035
FX188183	153.62	154.16	.54	2	-	.470
FX188184	154.16	155.31	1.15	1	-	.075

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		Trace pyrite.							
	145.22 148.22	As above with 1% fine grained disseminated pyrite.							
	148.22 149.62	Light greenish gray, weakly foliated to massive with 2% disseminated pyrite, 2% black fine grained to medium grained tourmaline as disseminated crystals and streaks. 15% white quartz carbonate veins up to 16 centimetres thick.							
	149.62 150.94	Light greenish gray, massive. 3% quartz carbonate veins up to 1.5 centimetres thick. 1% fine grained pyrite, trace disseminated tourmaline.							
	150.94 151.42	As above with 6% quartz carbonate veins up to 2 centimetres thick. 2% fine grained disseminated pyrite.							
	151.42 153.62	As at 149.62.							
	153.62 154.16	Light greenish gray, massive. 6% quartz tourmaline veins up to 1 centimetre thick. 2% fine grained disseminated pyrite.							
	154.16 155.31	Light greenish gray to pale green, massive. 5 to 15% pale green chlorite that increases down hole. 1% fine grained pyrite.							
155.31 186.10		GABBRO							
		Medium grained to fine grained, dark gray, weakly to moderately mottled, hard, weakly foliated to massive. 20 to 30% fine grained disseminated iron carbonate.	FX188185	155.31	156.78	1.47	1	-	.055
			FX188186	156.78	158.28	1.50	1	-	.010
			FX188187	158.28	159.68	1.40	TR	-	<.005
			FX188188	159.68	161.12	1.44	TR	-	<.005
			FX188189	161.12	162.29	1.17	TR	-	<.010
			FX188190	162.29	163.20	.91	TR	-	<.010
	155.31 156.78	With 4% quartz							

FROM M	TO M	**********DESCRIPTION**********
		carbonate veins up to 2 centimetres thick and as small veinlets. the thicker quartz carbonate veins have bleached pyritic envelopes. The veinlets have bleached alteration envelopes with minor pyrite. 1% pyrite overall.
156.78	158.28	5% bleached light gray alteration veins up to 1 centimetre thick, some with thin quartz carbonate veinlets at variable angles to core. Trace to 1% pyrite
158.28	161.12	As above. Alteration veins are light brown due to limonite staining.
161.12	162.29	With 5% white quartz carbonate veins up to 4 millimetres thick. No alteration envelopes. Trace pyrite. Becoming lighter in colour.
162.29	163.20	Bleached, light pinkish gray, 15% pale green chlorite. 2% quartz carbonate veins up to 1 centimetre , trace pyrite.
163.20	164.42	Pinkish gray to green gray. 1 to 2% quartz carbonate veins up to 3 millimetres thick.
164.42	165.32	Medium grained, gray green, very mottled because of patches of light gray, relatively unaltered feldspar and patches of green altered feldspar. All feldspars carbonatized. 3% quartz carbonate veins up to 5 millimetres thick. Weakly foliated. Hard

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX188191	163.20	164.42	1.22	0	-	(.010
FX188192	164.42	165.32	.90	0	-	(.010
FX188193	165.32	166.66	1.34	0	-	(.010
FX188194	166.66	168.16	1.50	0	-	(.010
FX188195	168.16	169.66	1.50	0	-	(.010
FX188196	169.66	170.82	1.16	0	-	(.010
FX188197	170.82	172.27	1.45	0	-	(.010
FX188198	172.27	173.39	1.12	0	-	(.010
FX188199	173.39	174.82	1.43	0	-	(.010
FX188200	174.82	175.83	1.01	0	F48	(.010
FX188201	175.83	177.33	1.50	0	-	(.010
FX188202	177.33	178.83	1.50	0	-	(.010
FX188203	178.83	180.33	1.50	0	-	(.010
FX188204	180.33	180.94	.61	0	-	(.010
FX188205	180.94	181.31	.37	0	-	.005
FX188206	181.31	182.81	1.50	0	-	.010
FX188207	182.81	184.26	1.45	0	-	(.010
FX188208	184.26	185.28	1.02	0	-	(.010
FX188209	185.28	186.10	.82	0	-	(.010

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		, weakly fractured with hematite and limonite on fractures.							
	165.32	170.82 As above with only minor quartz carbonate veins.							
	170.82	172.27 Fine grained to medium grained, dark gray green, massive to weakly foliated. With narrow quartz carbonate veins. 1% light yellow fine grained leucoxene.							
	172.27	173.39 As above with 3% limonitic quartz carbonate veins up to 2 millimetres thick.							
	173.39	174.82 As above with 5% light brown quartz carbonate veins up to 1 centimetre thick.							
	174.82	180.94 As at 170.82.							
	180.94	181.31 As above with 40% light brown to mottled gray quartz carbonate veins with disseminated specularite.							
	181.31	182.81 Medium grained, gray green, locally slightly brownish. 40% altered light green feldspar. Massive to weakly foliated, moderately hard. 30% fine grained disseminated iron carbonate. 1 to 2% fine grained light yellow leucoxene. Some limonite staining along fractures. 2 to 3% light brown quartz carbonate veins up to 3 millimetres thick.							
	182.81	185.28 As above, medium grained to fine grained.							
	185.28	186.10 Medium grained, 20% iron carbonate, moderately hard, massive, mottled. 60%							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		light gray altered feldspar. Green gray.							
186.10	191.80	BASALT							
		Fine grained, dark gray, massive. 15 to 20% disseminated iron carbonate. 3% light brownish gray quartz carbonate veins and veinlets up to 3 millimetres thick. Hard.	FX188210	186.10	187.60	1.50	0	-	<.010
			FX188211	187.60	189.10	1.50	0	-	<.010
			FX188212	189.10	190.60	1.50	0	-	<.010
			FX188213	190.60	191.80	1.20	0	-	<.010
191.80	195.46	GABBRO							
		Fine grained to medium grained, dark gray. Similar to 186.10 but slightly coarser. 3 to 5% light gray quartz carbonate veins and veinlets up to 1 centimetre thick. Trace fuchsite locally present adjacent to quartz carbonate veins.	FX188214	191.80	193.28	1.48	0	-	.010
			FX188215	193.28	194.78	1.50	0	-	<.010
			FX188216	194.78	195.46	.68	0	-	<.010
195.46	206.24	SCHIST							
		Fine grained, dark green to gray green, strongly foliated, chloritic. 5 to 15% fine grained disseminated iron carbonate, 1 to 2% fine grained light yellow leucoxene. Hard. With 5 to 8% light brown quartz carbonate veins and veinlets.	FX188217	195.46	196.36	.90	0	F55	.010
			FX188218	196.36	197.29	.93	0	F54	<.010
			FX188219	197.29	198.27	.98	0	F55	<.010
			FX188220	198.27	199.64	1.37	0	F57	<.010
			FX188221	199.64	201.04	1.40	0	F50	<.010
			FX188222	201.04	202.13	1.09	0	-	<.010
			FX188223	202.13	202.90	.77	0	F50	<.010
		195.75 196.36 Deformed and contorted. Quartz carbonate veins are boudinaged and fragmental.	FX188224	202.90	203.74	.84	TR	F55	<.010
			FX188225	203.74	204.64	.90	TR	-	<.010
			FX188226	204.64	205.14	.50	TR	F45	<.010
			FX188227	205.14	206.24	1.10	0	F54	<.010
		196.36 197.29 Some quartz carbonate veins sub parallel to core but are deformed due to movement along foliation planes.							
		197.29 198.27 Moderately to strongly foliated, in part contorted. Quartz carbonate veins are white to light gray.							
		198.27 199.64 1 To 2% gray to white quartz carbonate veins up to 1 centimetre thick, usually contorted. 2 to 3% hematitized spots.							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
	199.64	201.04 Fine grained to medium grained. 10 to 15% brownish altered feldspar crystals up to 2 millimetres scattered throughout. 2 to 3% quartz carbonate veinlets.							
	201.04	202.13 As above with 5% quartz carbonate veins and veinlets, weakly to strongly contorted.							
	202.13	202.90 As at 198.27.							
	202.90	203.74 Gray, fine grained, siliceous, very hard, strongly foliated with 10 to 15% chlorite streaks. 15 to 20% contorted fragmental quartz carbonate. Trace pyrite.							
	203.74	204.64 40% contorted and irregular white quartz carbonate veins with numerous inclusions and streaks of chlorite and sericite. Trace pyrite.							
	204.64	206.24 As at 199.64. 5% quartz carbonate veins up to 1 centimetre thick, in part contorted. Up to 5% light greenish yellow leucoxene schlerin. Trace pyrite.							
206.24	211.76	DIKE							
		Feldspar porphyry dike. 15 to 20% white anhedral to subhedral feldspar phenocrysts up to 3 millimetres set in leucocratic , very siliceous, aphanitic matrix for the most part void of mafics and with 10% disseminated iron carbonate. Very hard, massive. 2% fine grained disseminated pyrite crystals.	FX188228	206.24	207.79	1.55	2	-	.010
			FX188229	207.79	208.48	.69	2	-	.010
			FX188230	208.48	209.28	.80	2	-	.010
			FX188231	209.28	209.70	.42	1	-	<.010
			FX188232	209.70	211.20	1.50	1	-	.010
			FX188233	211.20	211.76	.56	1	-	.010
	206.24	207.79 Light buff. First 20 centimetres has 10% chlorite closest to							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		the contact but quickly dissappearing , away from the contact. contact zone is light brown gray.							
	207.79 208.48	Light buff to slightly greenish. One 2 centimetre quartz vein.							
	208.48 209.28	Light pale green to brownish.							
	209.28 209.70	Light buff to greenish. 1% pyrite.							
	209.70 211.20	Pale brown. 1% very fine grained to fine grained pyrite.							
	211.20 211.76	Light pale green. Last 20 centimetres with up to 15% fine grained chlorite. 1% pyrite. Contact is diffuse.							
211.76 225.10		SCHIST							
		Fine grained, dark green gray, strongly foliated with 2 to 5% streaked out light yellow leucoxene. Hard . 10 to 15% fine grained iron carbonate. 2 to 3% contorted and discontinuous quartz carbonate veins up to 1 centimetre thick and quartz carbonate patches. Trace pyrite.	FX188234	211.76	212.86	1.10	TR	F56	.010
			FX188235	212.86	213.86	1.00	TR	F50	.010
			FX188236	213.86	214.58	.72	TR	F55	.010
			FX188237	214.58	216.08	1.50	TR	F54	.010
			FX188238	216.08	217.58	1.50	TR	F55	<.010
			FX188239	217.58	218.86	1.28	TR	F52	<.010
			FX188240	218.86	219.63	.77	0	F53	<.010
			FX188241	219.63	220.04	.41	0	-	.020
	211.76 212.86	5% quartz carbonate veins up to 4 centimetres thick. Trace leucoxene.	FX188242	220.04	220.90	.86	0	F48	<.010
			FX188243	220.90	221.25	.35	0	F50	<.010
			FX188244	221.25	222.75	1.50	TR	F47	<.010
			FX188245	222.75	223.57	.82	TR	F45	<.010
	212.86 213.86	1 To 2% quartz carbonate veins and patches.	FX188246	223.57	224.74	1.17	0	F30	<.010
			FX188247	224.74	225.10	.36	TR	-	.030
	218.86 219.63	10% quartz carbonate veins up to 3 centimetres thick parallel to foliation.							
	219.63 220.04	50% quartz carbonate veins up to 2 centimetres thick, weakly contorted but generally parallel to foliation.							
	220.04 220.90	5% quartz carbonate veins and patches.							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
	220.90 221.25	Minor quartz carbonate veinlets. Medium grained							
	221.25 222.75	3 To 4% quartz carbonate patches and veins.							
	222.75 223.57	Medium grained, green gray, becoming very weakly fuchsitic.							
	223.57 224.74	Medium grained, green gray to pale green gray. No leucoxene. In part bleached and silicified. 10% white quartz carbonate veins, weakly contorted and at various angles to core. 1% black tourmaline streaks in the veins. Weak fuchsite alteration close to some vein contacts.							
	224.74 225.10	Medium grained, green, 1% leucoxene, 15% quartz carbonate as streaks, veinlets and veins up to 3 centimetres thick. Weakly fuchsitic.							
225.10 225.48		DIKE							
		Fine grained, light gray, weakly foliated, leucocratic, with 10% fine grained disseminated iron carbonate. 30% irregular buff to white quartz carbonate veins with chlorite streaks and some fuchsite. 2% fine grained disseminated pyrite.	FX188248	225.10	225.48	.38	2	-	1.490
225.48 244.94		SCHIST							
		Strongly foliated gabbro. Medium grained, hard, 10 to 15% iron carbonate, chloritic, weakly sericitic. Cut by numerous quartz carbonate veins and some quartz veins. At least two ages of veining. Oldest set are ankerite quartz veins, white to light buff in colour.	FX188249	225.48	226.91	1.43	0	F43	.020
			FX188250	226.91	227.73	.82	0	F40	<.010
			FX188251	227.73	228.63	.90	0	F40	.060
			FX188252	228.63	229.36	.73	0	-	.010
			FX188253	229.36	230.32	.96	0	-	.020
			FX188254	230.32	231.38	1.06	0	F45	.010
			FX188255	231.38	232.84	1.46	0	F47	<.010
			FX188256	232.84	234.24	1.40	0	F52	<.010

FROM M	TO M	**********DESCRIPTION**********
		Youngest, and usually normal to the other veins are white quartz veins sometimes with acicular crystals of green tourmaline.
225.48	226.91	Dark emerald green. Fuchsitic. 30% quartz carbonate veins, up to 10 centimetres thick, and as streaks and patches , all generally parallel to foliation. 5% quartz veins up to 3 centimetres thick.
226.91	228.63	Gray to green gray, weakly fuchsitic, 10 to 15% quartz carbonate veins up to 2 centimetres thick. Minor quartz veins.
228.63	229.36	Green, weakly fuchsitic with 70%, in part strongly hematitized, iron carbonate quartz tourmaline as chaotic masses and veins. 5% black tourmaline as patches , streaks and veinlets. Hematitized parts are red brown in colour. Iron carbonate is generally light buff. Strongly deformed and contorted.
229.36	230.32	As above but not as strongly hematitized. 3% black tourmaline.
230.32	231.38	Dark green gray, 10% quartz carbonate veins and contorted masses. veins up to 3 centimetre thick. All are light buff in colour. Generally parallel to foliation.
231.38	232.84	Dark green gray, 5 to 8% quartz carbonate veins up to 4 centimetres thick and locally contorted. Generally parallel to

SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
FX188257	234.24	235.74	1.50	0	F55	(.010
FX188258	235.74	236.22	.48	0	F54	(.010
FX188259	236.22	237.70	1.48	0	F55	(.010
FX188260	237.70	238.84	1.14	0	F54	(.010
FX188261	238.84	240.05	1.21	0	F47	(.010
FX188262	240.05	241.19	1.14	0	F47	.010
FX188263	241.19	241.84	.65	0	F45	.010
FX188264	241.84	243.24	1.40	0	-	(.010
FX188265	243.24	243.94	.70	0	F47	(.010
FX188266	243.94	244.94	1.00	TR	F47	.030

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		foliation.							
	232.84 234.24	Light gray to light greenish gray in colour.							
	234.24 235.74	As above with 10% quartz carbonate veins.							
	235.74 236.22	As at 231.38 with 40% quartz carbonate veins up to 1 centimetre thick producing a bedded appearence.							
	236.22 240.05	As at 231.38.							
	240.05 241.19	As above with 5% quartz carbonate veins.							
	241.19 241.84	Dark green gray. Minor quartz carbonate veinlets.							
	241.84 243.24	As above with 3% quartz carbonate veins.							
	243.24 243.94	As at 231.38 with 20% weakly to moderately contorted quartz carbonate veins up to 3 centimetres thick. Locally silicified.							
	243.94 244.94	Dark green gray. First 35 centimetres strongly silicified. With 5% quartz carbonate veins up to 2 centimetres thick. Trace to 1% disseminated pyrite. Strongly to moderately foliated.							
244.94 260.30		GABBRO							
		Medium grained, weakly to moderately foliated, mottled, gray green, hard. 3 to 8% fine grained disseminated iron carbonate. chloritic, sericitic , trace pyrite.	FX188267	244.94	246.14	1.20	TR	F50	.010
			FX188268	246.14	246.54	.40	TR	-	<.010
			FX188269	246.54	246.94	.40	TR	-	<.010
			FX188270	246.94	247.80	.86	TR	F45	.055
			FX188271	247.80	248.94	1.14	TR	-	<.010
	244.94 246.14	Minor quartz carbonate veins up to 1.5 centimetres thick.	FX188272	248.94	249.58	.64	1	-	<.010
			FX188273	249.58	249.78	.20	0	-	.020
			FX188274	249.78	250.52	.74	TR	F52	.010
	246.14 246.54	20% quartz carbonate veins up to 2 centimetres thick.	FX188275	250.52	251.32	.80	TR	-	.070
			FX188276	251.32	252.74	1.42	TR	F45	.010
			FX188277	252.74	253.04	.30	TR	-	<.010
	246.94 247.80	Weakly to moderately fuchsitic. Gray green to dull emerald green.	FX188278	253.04	254.12	1.08	0	F58	1.668
			FX188279	254.12	255.14	1.02	TR	-	.010
			FX188280	255.14	255.58	.44	0	F60	.180

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		15% quartz carbonate veins up to 10 centimetres thick, light buff to light brown in colour.	FX188281	255.58	256.25	.67	0	-	<.010
			FX188282	256.25	257.13	.88	1	-	<.010
			FX188283	257.13	258.54	1.41	TR	F60	.010
			FX188284	258.54	259.64	1.10	TR	-	<.010
			FX188285	259.64	260.30	.66	TR	F57	<.010
247.80	248.94	Gray green. 5% quartz carbonate veins up to 1.5 centimetres thick and generally parallel to the foliation. Trace to 1% pyrite.							
248.94	249.58	Dull to bright emerald green. Moderately to strongly fuchsitic . 1% disseminated pyrite as crystals up to 1 millimetre.							
249.58	249.78	Quartz vein with 10% light buff iron carbonate, 2% green tourmaline as acicular crystals and 10% strongly fuchsitic gabbro inclusions.							
249.78	250.52	As at 248.94 with only 2% quartz carbonate veins up to 1.5 centimetres thick. Trace pyrite.							
250.52	251.32	Green to dull emerald green. Moderately fuchsitic. 2% quartz veins up to 2 centimetres thick. Hematitized along fractures. Trace pyrite.							
251.32	252.74	Gray green, weakly to moderately fuchsitic, trace pyrite.							
252.74	253.04	As at 250.52.							
253.04	254.12	Emerald green. Strongly fuchsitic, moderately foliated. 15% of rock is crisscrossed network of quartz carbonate veins parallel to foliation and normal to foliation and up to 2 centimetres thick. Some veins have hematitized							

FROM M	TO M	**********DESCRIPTION**********	SAMPLE#	FROM M	TO M	LENGTH M	MIN %	CR ANG	AU PPM
		patches. Veins consist mostly of iron carbonate though there are some white quartz veins with trace black tourmaline are also present. Minor black chlorite seams in gabbro							
254.12	255.14	As above with 10% quartz carbonate veins and quartz veins. Trace pyrite.							
255.14	255.58	As at 250.52 , weakly to moderately fuchsitic. 10% light buff quartz carbonate veins up to 2 centimetres thick.							
255.58	256.25	Green gray with 5% diffuse quartz carbonate veins and patches up to 5 millimetres thick.							
256.25	257.13	Dark green gray, weakly foliated, with 5% contorted quartz carbonate veins and patches with diffuse contacts. 1% disseminated pyrite.							
257.13	259.64	As above with 5% slightly yellow quartz carbonate veins generally parallel to foliation and up to 3 centimetres thick and locally hematitized. Trace pyrite.							
259.64	260.30	As above with minor quartz carbonate veins to 5 millimetres thick. Trace pyrite. Foot of hole.							

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
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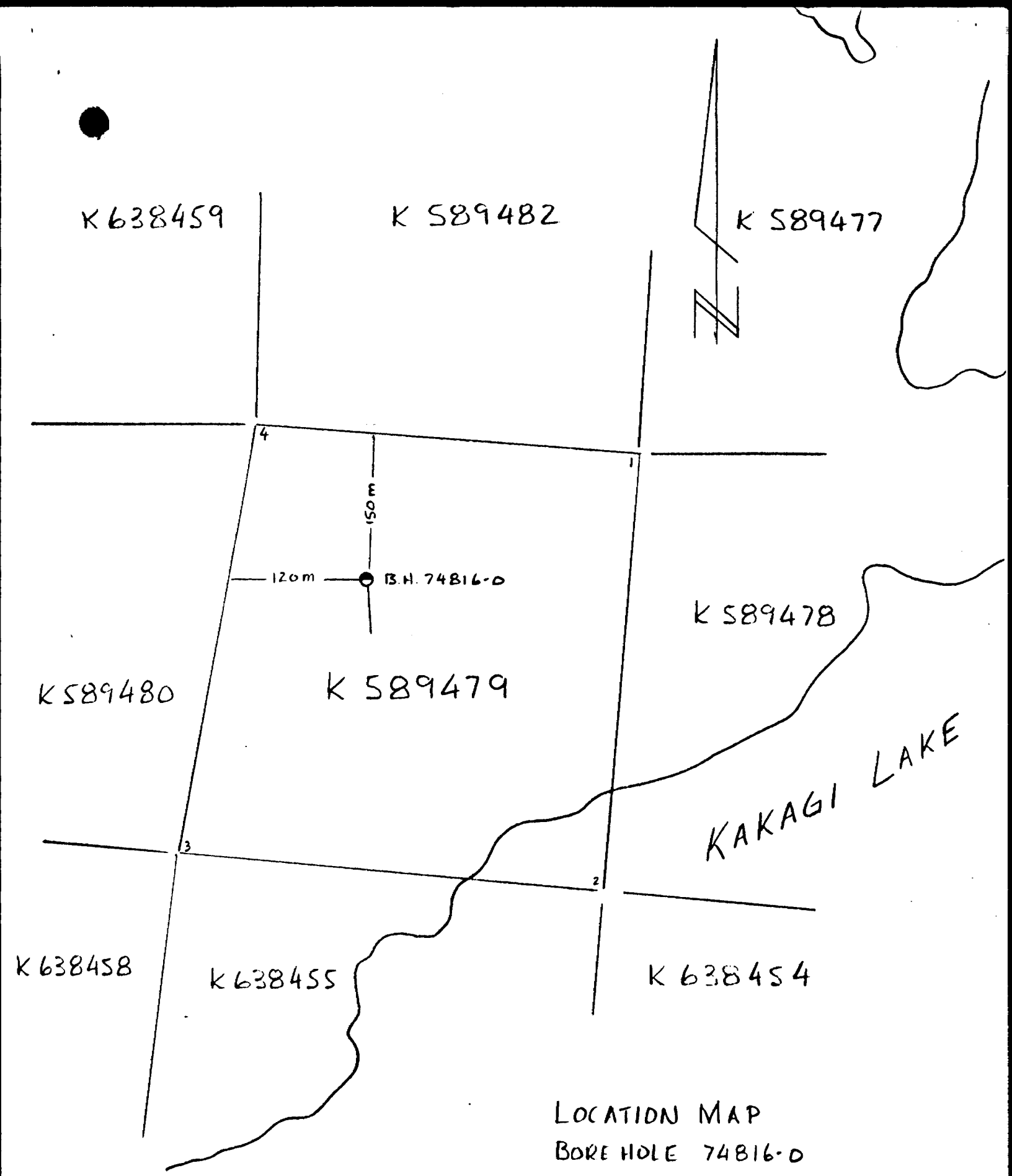

LOCATION MAP
BORE HOLE 74816-0
DRILLED ON CLAIM K 589479
AREA OF HEPONRY LAKE (G-2621)
SCALE 1:5000

Ministry of Natural Resources
Ontario

Report of Work

53F04NW0127 13 HERONRY LAKE

900

quired date on a separate form for each work to be recorded (see table below). echnical work use form no. 1362 "Report Geological, Geophysical, Geochemical and ires)". #75-86

Name and Postal Address of Recorded Holder	Prospector's Licence No.
CANADIAN NICKEL COMPANY LIMITED	A-17527
COPPER CLIFF, ONTARIO POM 1NO	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
2796	See Schedule "A"								

for Performance of the following work. (Check one only)

- [ ] Manual Work
- [ ] Shaft Sinking Drifting or other Lateral Work.
- [ ] Compressed Air, other Power driven or mechanical equip.
- [ ] Power Stripping
- [X] Diamond or other Core drilling
- [ ] Land Survey

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES RESEARCH OFFICE JUL 2 1986 RECEIVED

All the work was performed on Mining Claim(s): K 589479; K 638465; K 638466

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

BQ diamond drill hole 74812-0; Angle -45°N
306.6 metres (1005.65 ft.) drilled on claim K 638465 = 1005.65 days ✓

BQ diamond drill hole 74813-0; Angle -50°N
305.7 metres (1002.70 ft.) drilled on claim K 638466 = 1002.70 days ✓

BQ diamond drill hole 74816; Angle -45°S
260.3 metres (853.78 ft.) drilled on claim K 589479 = 853.78 days

Total Credits Available = 2862.13 days

Work Filed As Above = 2796 days

Credits to remain on K 589479 from BH 74816 for future filing = 66.13 days

KENORA MINING DIV. RECEIVED JUN 6 1986 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM POSTMARKED JUNE 3/86

Drilling Dates: BH 74812 - Feb. 25-Mar. 1, 1986; 74813 - Mar. 3-9, 1986;
BH 74816 - Mar. 16-19, 1986

Drilled by: Bradley Bros. Limited (Boyles 37A)
Box 2367
Noranda, Quebec J9X 5A9

Date of Report	Recorded Holder or Agent (Signature)
June 2, 1986	I.D. McCaskill

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying	Date Certified	Certified by (Signature)
I.D. McCaskill c/o Canadian Nickel Company Limited Copper Cliff, Ontario POM 1NO	June 2, 1986	I.D. McCaskill

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	727477 Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

768 (81/3)

Schedule "A"

Claim No.	Work Days Cr.	Claim No.	Work Days Cr.	Claim No.	Work Days Cr.	Claim No.	Work Days Cr.
K 727477	40	K 732262	40	K 777529	20	K 777652	20
K 727478	40	K 732263	40	K 777530	20	K 777653	20
K 727479	40	K 758822	40	K 777531	20	K 777654	20
K 727480	40	K 758823	40	K 777532	20	K 777655	20
K 727481	40	K 758824	40	K 777562	20	K 777669	20
K 729246	40	K 758825	40	K 777565	20	K 777670	20
K 729247	40	K 758826	40	K 777566	20	K 777671	20
K 732244	40	K 758827	40	K 777567	20	K 777672	20
K 732245	40	K 758828	40	K 777568	20	K 777673	20
K 732246	40	K 758829	40	K 777569	20	K 777674	20
K 732247	40	K 758830	40	K 777570	20	K 777759	20
K 732248	40	K 758831	40	K 777614	20	K 777760	20
K 732249	40	K 758832	40	K 777615	20	K 777761	20
K 732250	40	K 758833	40	K 777616	20	K 777762	20
K 732251	40	K 758834	40	K 777617	20	K 777772	20
K 732252	40	K 758835	40	K 777618	20	K 777773	20
K 732253	40	K 758836	40	K 777619	20	K 777774	20
K 732254	40	K 758837	8	K 777631	20	K 777775	20
K 732255	40	K 758838	8	K 777632	20	K 777791	20
K 732256	40	K 777519	20	K 777633	20	K 777792	20
K 732257	40	K 777520	20	K 777634	20	K 777793	20
K 732258	40	K 777521	20	K 777635	20	K 777794	20
K 732259	40	K 777524	20	K 777636	20	K 777795	20
K 732260	40	K 777525	20	K 777650	20	K 777796	20
K 732261	40	K 777526	20	K 777651	20		

Total Claims = 99

Total Days Work = 2796

IDM/cb
June 2, 1986

KENORA
MINING DIV.
RECEIVED
JUN 6 1986
AM 7 8 9 10 11 12 1 2 3 4 5 PM

VSULA

TWEEDSMUIR TWP M-2023

DOGPAW LAKE G.2613

Timber cut '84

Timber cut 83/84

M-740

RESERVE FILE-183473 Vol. 5 Sept. 1, 1970.

Kakagi Lake

Kakagi

HERONRY LAKE G.2621

PHILLIPS TWP M-2107

53F04NW0127 13 HERONRY LAKE

200

50'