RE[redacted]SON LIMITED - DRILL CORE RECO[redacted]

HOLE NUMBER	SD 20
PURPOSE	TEST EASTERLY EXTENSION OF SKARN ZONE
LOCATION	ST. DIZIER
COLLAR R.L.	2204.2
CO-ORDINATES	5367752.1 N 345622.4 E
LENGTH	340.6m
HOLE SIZE	HQ 0 - 340.6m
DATE DRILLED	3.5.82 - 3.6.82
SIGNIFICANT CORE LOSS ZONES	0-35.2m 27% recovery
ORE ZONE GROUND CONDITIONS	GOOD
LOGGED BY	D. KILPATRICK

SURVEY Depth	SURVEY Bearing	SURVEY Dip	From – To	Distance D	VERTICAL D.Sin Dip	VERTICAL R.L.	HORIZONTAL D.Cos.Dip	HORIZONTAL Prog. Total
0	156.0	70.0°	0-15.5	15.5	14.6	2189.6	5.3	5.3
31	156	70.0	-47.0	31.5	29.6	2160.0	10.9	16.1
63	155	70.0	-96.0	33.0	31.0	2129.0	11.3	27.4
97	153	70.0	-119.5	39.5	37.1	2091.9	13.5	40.9
142	151	70.0	-163.0	43.5	40.9	2051.0	13.5	54.4
184	150	70.0	-197.5	34.5	32.4	2018.6	11.8	66.2
211	149	70.3	-233.5	36.0	33.9	1984.7	12.1	78.3
256	149	70.5	-268.0	34.5	32.5	1952.2	11.5	89.8
280	150	70.7	-296.0	29.0	25.5	1926.7	8.9	98.7
310	151	71.0	-325.0	30.0	28.4	1898.3	9.8	108.5
340	146	70.3	-340.6	15.6	14.7	1883.6	5.3	113.8

COMMENTS

All jointing planes given as angle to core axis and oriented with respect to an assumed steeply north dipping bedding e.g. 50°W refers to a joint plane at 50° to the core axis and that plane has a westerly dip with respect to the north dipping bedding plane.
The drill hole intersected an unusual, but tin-barren, sulphide rich skarn at 229.2 - 234.4m. Deeper in the hole, more typical magnetite skarn was intersected at 261.7 - 267.0m and 294.5 - 313.6m; both intersections are stanniferous and low in acid soluble tin, with the first intersection containing appreciable amounts of sphalerite (see below).

SUMMARY – ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t	B.C.A.
	262	267	5	0.33	0.06	0.08	<0.1	1.5	<0.01	1.47	0.010	0.01	5	
	299.5	307.5	8	0.35	0.05	0.07	<0.1	3.0	<0.01	0.04	0.031	0.07	3	

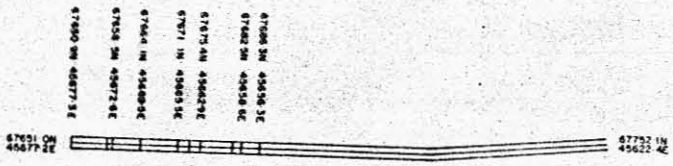
NAPS 27344

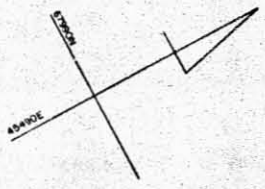
RENISON LIMITED

DIAMOND DRILL HOLE PLOT

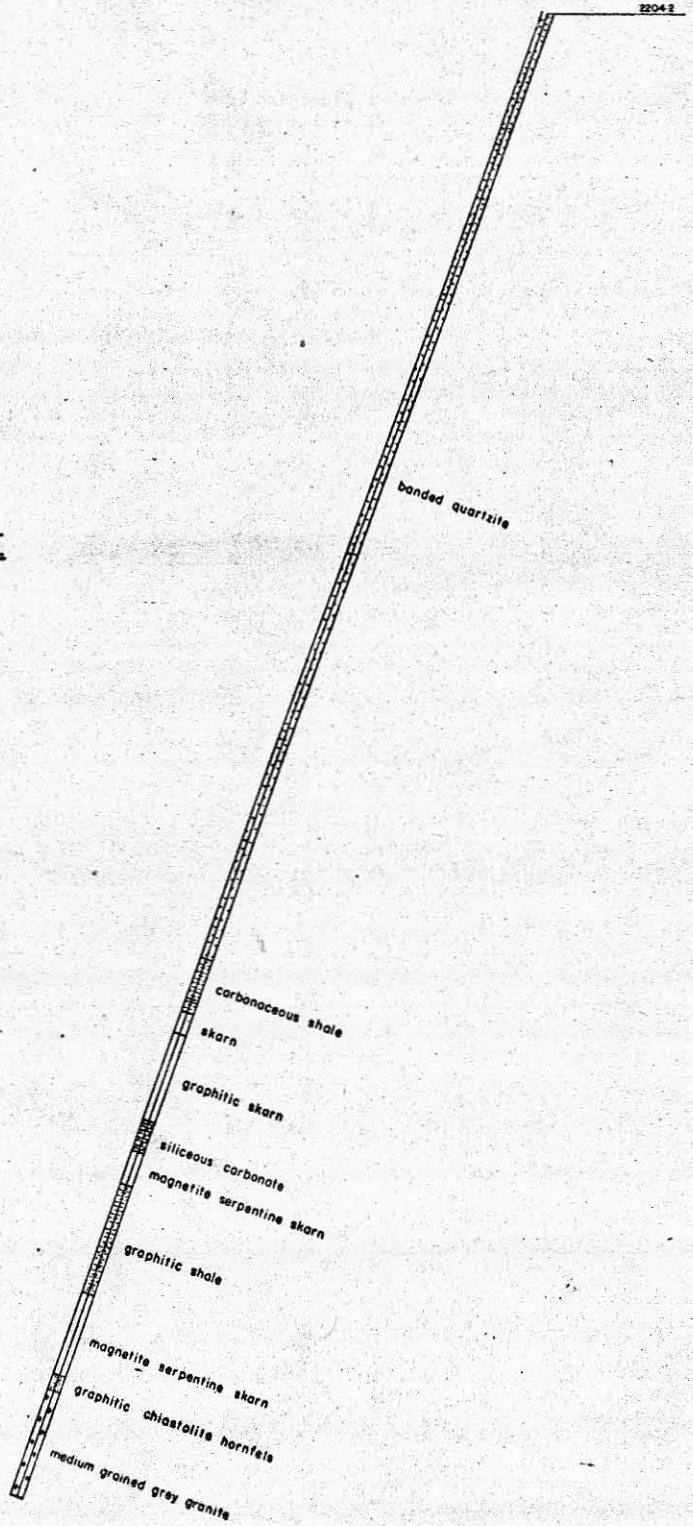
HOLE NO.: SD20

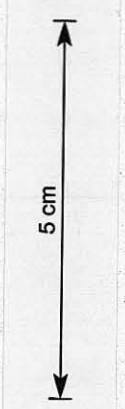
PLAN

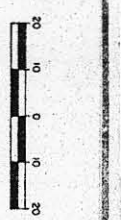




DIP PROFILE







DIAMOND DRILL RECORD

HOLE NUMBER : SD 20

LOGGED BY : D. KILPATRICK

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM FROM	TO	% Sn TOTAL	% Sn ACID SOL	% Cu	% As	% S	% Pb	% Zn	% Bi	g/t Ag	% WO₃
0	35.2	9.7	27	Greenishgrey Banded Metasiltstone: greenish-grey, broken, strongly laminated core (RQD~20%) of interbanded dark greenish grey biotite-rich fine siltstone, quartzite and minor mica-rich grey siltstone. The core displays a metamorphic texture with abundant needle-like or tabular crystals, now altered biotite (possibly originally chiastolite). Disseminated pyrite is common throughout - occasional pyrite on joint surfaces. BCA at 12m 35°, 27m 15°, 34m 28°, Jointing at 336m 50°W, 55°E *(see comments)												
35.2	35.5	0.3	100	Alteration Zone: very altered horizon of sulphur coloured micaceous gritty clay and inter-laminated quartzite. Minor disseminated pyrite. (A second, similar zone occurs between 37.0 - 37.2m)												
35.5	216.8	180.3	100	Banded Quartzite; banded sometimes micaceous quartzite consisting of pale greystrongly laminated quartzite, micaceous quartzite and quartzite-mica-clay horizons Band width 3 - 12mm. The core is multiply veined - most veins carry pyrite. Veining is irregular. Veining and alteration decrease with depth. Core retains metamorphic texture with a spotty appearance probably due to metamorphic recrystallization. Yellow sulphurous colour persists to depth and is associated with veins, joints and clay horizons. Core becomes more siliceous with fewer mafic horizons and disseminated muscovite. B.C.A.: 39m 35°, 47m 28°, 52m 25°, 56m 28°, 62m 22°, 71m 26°, 78m 31°, 87m 29°, 93m 38°, 103m 34°, 106m 27°. 113.8 - 118.0 Clay rich horizon of strongly banded core with pale grey quartzite (0.8cm) and dark leached mica rich lam ellae (0.3cm). B.C.A. 111m 30°, 118.0 mff. Banded quartzite with interlaminated dark (?)biotite horizons. Abundant veining mostly carries sulphide - rare chalcopyrite in quartz vein at 117.0m. B.C.A. 121m 46°, 130m 38°, 138m 34° Leached zones of 0.1m at 118m and 119m have siderite colouration. Metamorphic spotting persists below this level. Occasional veins of red-brown mica between 122 - 138m												

DIAMOND DRILL RECORD

HOLE NUMBER : SD 20

LOGGED BY : D. KIPATRICK

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	% WO_3
				Sulphides are common on joint planes, occasionally in small		220	221	0.01	<0.01	0.02	<0.1	0.4	<0.01	0.02	0.001	1	0.01
				lenses. Large quartz veins occur around 135 - 137m			222	<0.01	"	0.03	"	0.3	"	0.02	<0.001	1	0.01
				jointing dips 28°W and 35°W.			223	0.01	"	0.02	"	0.2	"	0.03	0.002	1	0.01
				Other jointing planes; 39m 45°W, 60°NW; 41m 68°N;			224	<0.01	"	0.02	"	0.3	"	0.02	0.002	<1	<0.01
				47m 32°SE; 50m 48°SE, 39°W, 44°SE 30°NE: 54m 61°SW, 60m			225	"	"	0.03	"	0.4	"	0.02	0.002	1	0.01
				37°SW, 74m 50°NNE 50°N, 64°NE, 67°NNW; 107m 58°NNE,			226	"	"	0.04	"	0.3	"	0.02	<0.001	<1	0.01
				49°NE.			227	"	"	0.02	"	0.0	"	0.02	0.003	1	0.02
				The sulphurous colouring persists through the quartzite			228	"	"	0.03	"	0.1	"	0.02	0.008	3	0.01
				Core has metamorphic appearance with recrystallisation and			229	"	"	0.05	"	0.3	"	0.02	0.005	3	0.01
				secondary mica pervasive. Banding is more diffuse below			230	"	"	0.06	"	1.7	"	0.03	0.007	2	0.01
				120m - occasionally lensing and interfingering and			231	"	"	0.16	"	7.9	"	0.03	0.006	3	<0.01
				crossing original sedimentary bedding.			232	"	"	0.23	"	14.3	"	0.02	0.006	4	<0.01
				148.0m; Tourmaline vein with(?) arsenopyrite			233	"	"	0.23	"	16.8	"	0.02	0.004	3	0.01
				1634-171.4, The core has undergone some deformation.			234	0.02	0.02	0.23	"	10.8	"	0.05	0.004	3	0.01
				Between 163.4 -166.0 the core is very broken. Between			235	0.07	0.02	0.03	"	0.7	"	0.05	0.002	2	<0.01
				166.0 -166.6 m and 168.4- 170.8m the rock has been dis-			236	0.05	<0.01	0.03	"	1.2	"	0.11	0.002	2	<0.01
				rupted and contains deformed and brecciated block cemented			237	0.04	0.01	0.02	"	0.5	"	0.06	0.003	2	0.01
				and intruded by quartz. Another horizon of similar mat-			238	0.11	0.03	0.02	"	1.1	"	0.10	0.003	2	<0.01
				erial occurs at 174.8 - 175.8m.			239	0.03	<0.01	0.02	"	0.6	"	0.08	0.004	2	0.01
				180.0 - 192m; The core contains numerous			240	0.03	"	0.03	"	2.0	"	0.30	0.003	2	<0.01
				quartz and quartz/tourmaline/topaz and quartz/topaz/			241	0.02	"	0.06	"	3.4	"	0.25	0.004	2	<0.01
				tourmaline veins and also abundant secondary mica bands			242	0.02	"	0.02	"	1.6	"	0.07	0.002	1	0.01
				and zones associated with jointing			243	0.02	"	0.04	"	2.6	"	0.16	0.004	1	0.01
				1906 -191.2m, Granitic quartz-topaz-tourmaline dyke-			244	0.02	"	0.03	"	1.5	"	0.34	0.002	2	<0.01
				minor disseminated pyrite sub-parallel to bedding			245	0.05	0.01	0.01	"	0.3	"	0.04	0.001	1	0.01
				Second small vein at 191.4m			246	0.04	<0.01	0.01	"	0.1	"	0.04	0.001	1	<0.01
				193.9 -194.0 m, broken zone - not sheared.		246	247	0.07	<0.01	0.02	"	0.3	"	0.03	0.003	<1	0.01
				Sulphide bearing veins common throughout.		247	248	0.04	<0.01	0.04	"	0.5	"	0.03	0.002	1	0.01
				Below 200m, the quartzite appears somewhat leached-			249	0.04	<0.01	0.04	"	0.7	0.01	0.03	0.002	1	0.01
				paler colour.			250	0.02	0.02	0.04	"	2.3	"	0.02	0.002	1	0.01
				203m, tourmaline lens with (?) arsenopyrite			251	0.02	<0.01	0.03	"	2.5	"	0.01	0.004	1	<0.01
				215.5 -215.7m, band of dark fine grained			252	0.02	<0.01	0.03	"	1.1	"	0.03	0.002	1	0.01
				shale.			253	0.03	<0.01	0.05	"	1.0	"	0.02	0.003	1	0.01
				B.C.A.: at 111m 30°, 121m 46°, 130m 38°, 138m 34°,			254	0.02	<0.01	0.03	"	0.1	"	0.01	<0.001	1	0.01
				142m 44°, 148m 38°, 158m 40°, 166m 41°, 175m 31°,			255	0.01	<0.01	0.01	"	0.1	"	0.03	0.002	1	0.02
				183m 31°, 191m 39°, 200m 51°.			256	0.03	"	0.03	"	2.1	"	0.09	0.002	1	<0.01
				Gradational contact to			257	0.03	"	0.02	"	2.9	"	0.07	0.002	1	"
							258	0.03	"	0.03	"	2.8	"	0.12	0.002	1	"
216.8	229.2	12.4	100	Fine grained (?) Calcareous Shale; fine grained dark grey													
				to black weakly banded core with abundant veining, mostly													
				quartz, occasional fine carbonaceous veinlets, lesser													
				sulphide veins (mostly pyrite, minor pyrrhotite and chal-													
				copyrite, rare arsenopyrite.) Some sulphides on joint													

DIAMOND DRILL RECORD

HOLE NUMBER : SD 20

LOGGED BY : D. KILPATRICK

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM
				planes- mostly pyrite. Occasional horizons of quartzite	
				or very siliceous shale with reddy brown staining. All	
				core appears to be silicified and with diffuse banding	
				Moderately distinct lower contact.	
229.2	234.4	5.2	100	Skarn : Dark grey green, irregularly banded skarn with	
				abundant pyrrhotite (magnetic (?)), magnetite, pyrite,	
				numerous sinous veins of chalcopyrite and rare MoS_2.	
				Sulphides decrease from massive (30% sulphide at upper	
				contact) to interlaminated with mafic minerals (3-10%S).	
				Occasional veins of siderite sometimes with pyrite.	
234.4	254.8	20.4	100	Graphitic Skarn; Dark grey or green-grey competent core	
				of interlaminated graphite skarn with poikilitic epidote-	
				clinozoisite laths (see SD14 252.1-252.6m) and yellow	
				green to dark grey green bands of more siliceous(?)	
				diopside skarn.	
				Graphitic skarn contains large bladed crystals up to	
				2cm. x 0.4cm. in a matrix of graphitic (?)diopside-	
				phlogopite-garnet. Occasional(?) garnet as large	
				ragged grains 2cm. x 1 cm. (e.g. 235.6m.). The poikolitic	
				horizons occur between 234.4 - 235m, 236.6 -238.2m, and	
				245.2 -247.6m.	
				The greenish (?)diopside skarn horizons have a mottled	
				appearance of (?)recrystallised quartz and garnet grains	
				e.g. 235m, and finer pyrrhotite (magnetic) grains-e.g.	
				236m, in a banded matrix of diopsidic skarn or pale	
				grey skarn with very fine grained porphyroblastic grains	
				of (?)mafic minerals. Some sections of the core	
				effervesce weakly.	
				224.7 -244.9m and 245.1 -245.3m: bands of pink	
				(?)garnet-siderite or wollastonite with greenish	
				diopside and small green lensoid mafic nodules	
				up to 6mm x 4mm.	
				247.6 -254.8m: fine grained black competent	
				graphitic skarn with abundant sulphide veins (pyrite	
				and chalcopyrite.)	

% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% MoO_3
258	259	0.02	<0.01	0.03	<0.1	0.2	<0.01	0.07	0.003	1	0.03
	260	0.02	<0.01	0.11	"	0.7	"	0.05	0.002	3	0.01
	261	0.02	<0.01	0.87	"	3.3	"	0.24	0.003	16	0.01
	262	0.04	0.01	0.11	"	1.1	"	0.38	0.003	4	0.01
	263	0.12	0.03	0.19	"	1.6	"	1.23	0.005	5	<0.01
	264	0.35	0.15	0.08	"	2.8	"	4.09	0.013	4	0.02
	265	0.51	0.05	0.02	"	0.5	"	0.89	0.010	3	0.01
	266	0.20	0.02	0.10	"	2.4	"	0.93	0.016	4	0.01
	267	0.48	0.06	0.03	"	0.2	"	0.22	0.004	3	0.01
	268	0.03	<0.01	0.10	"	1.6	"	0.18	0.003	2	0.01
	269	0.02	<0.01	0.02	"	1.9	"	0.05	0.003	2	0.01
	270	0.01	<0.01	0.02	"	2.1	"	0.04	0.003	1	0.01
	271	0.01	0.01	0.04	"	2.6	"	0.08	0.001	1	0.01
	272	0.01	0.01	0.05	"	3.0	"	0.03	0.002	1	0.01
	273	0.01	0.01	0.06	"	2.1	"	0.02	0.002	1	0.01
	274	0.01	0.01	0.05	"	2.5	"	0.10	0.002	1	0.01
	275	0.01	0.01	0.03	"	3.3	0.02	0.01	0.003	1	0.01
	276	0.01	0.01	0.05	"	2.9	0.01	0.01	0.002	1	0.01
	277	0.01	0.01	0.06	"	3.9	"	0.39	0.001	1	0.01
	278	0.01	0.01	0.06	"	3.3	"	0.01	0.002	1	0.01
	279	0.01	0.01	0.05	"	3.6	"	0.04	0.004	1	0.01
	280	0.01	0.01	0.04	"	3.1	"	0.02	0.003	1	0.01
	281	0.01	0.01	0.06	"	3.6	"	0.07	0.003	1	0.01
	282	0.01	0.01	0.05	"	3.4	"	0.27	0.002	1	0.01
	283	0.01	0.02	0.04	"	1.6	"	0.11	0.003	1	0.01
	284	0.01	0.01	0.07	"	3.5	"	0.03	0.002	1	0.01
	285	0.01	0.01	0.03	"	2.1	"	0.04	0.002	1	0.01
	286	0.09	0.01	0.03	"	2.9	"	0.03	0.001	1	0.01
	287	0.41	0.01	0.04	"	2.9	0.02	0.02	0.002	1	0.02
	288	0.05	0.01	0.04	"	2.9	0.02	0.02	0.003	1	0.01
	289	0.03	0.01	0.04	"	2.7	0.02	0.05	0.002	1	0.01
	290	0.01	0.01	0.03	"	1.3	0.01	0.07	0.002	1	0.01
	291	0.02	0.01	0.04	"	2.0	0.02	0.05	0.002	1	0.01
	292	0.01	0.01	0.04	"	1.3	<0.01	0.05	0.002	1	0.01
	293	0.01	0.01	0.05	"	0.8	"	0.08	0.003	1	0.01
	294		0.01		"		"				
294	294.5	0.02	0.01	0.07	"	0.9	"	0.26	0.002	1	0.01
294.5	295.5	0.03	<0.01	0.03	"	0.9	"	0.54	0.003	1	<0.01
	296.5	0.06	0.01	0.03	"	1.0	"	0.17	0.005	2	<0.01
	297.5	0.09	0.04	0.06	"	1.4	"	0.16	0.004	3	0.01
	298.5	0.08	0.04	0.02	"	0.8	"	0.09	0.004	2	0.01
	299.5	0.06	0.03	0.09	"	2.2	"	0.06	0.011	2	0.01

DIAMOND DRILL RECORD

HOLE NUMBER SD20

LOGGED BY : D.KILPATRICK

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM	% Sn FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
				247.4-248.7m; Abundant porphyroblastic grains of grey crystalline minerals,(?)andalusite. Also occurs at 252.6 - 254.8m.												
254.8	261.7	6.9	100	Banded Quartzite ; Pale greenish grey siliceous core. Minor carbonate component-effervesces at upper contact which has some (?)siderite. Core contains abundant fine disseminated pyrite, pyrrhotite and sphalerite (up to 5%S). Skarn horizons occur between 257.6-257.8m and 258-260.6m. These are similar to the diopside skarn above, with green and pink colouring and contains patches of abundant disseminated and veining pyrite and chalcopyrite. Below the skarn horizons the quartzite contains bands of grey (?)chiastolite shale and veins of pyrrhotite and pyrite. A sharp lower contact occurs which is subparallel to the core axis for 0.5 metre.											
261.7	267.0	5.3	100	Magnetite Serpentine Skarn; black and green-grey core of massive magnetite with pyrrhotite and sphalerite with irregular bands of serpentine-talc. Abundant quartz veining and replacements; often stained. The massive magnetite has a pisolitic texture (e.g.264-264.3m. 265.3 - 266.0m : broken zone. Sharp contact.												
267.0	269.5	2.5	100	Broken Zone; Very broken zone (RQD = 0%) of pyritic graphite shale. Small skarn horizon at upper contact. The core is sheared, slickensided and distorted. Possible fault zone.												
269.5	294.5	25.0	100	Graphitic Shale; Grey black very fine grained core of siliceous, weakly magnetic graphitic shale with abundant small lenses of poorly formed (?)chiastolite (3mmx2mm) and abundant pyrite and chalcopyrite veining. Veining constitutes up to 20% of rock. Quartz veins and tension gashes also common.												

DIAMOND DRILL RECORD

HOLE NUMBER SD20

LOGGED BY : D. KILPATRICK

NWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g t Ag	% WO_3
				Red-brown mica at 275.5m associated with quartz vein- minor amount above, more common below this level.													
				289.0 - 294.5m ; graphitic shale with minor mica. Jointing planes occur approximately 35-55° to core axis.													
				290.3 - 291.7m ; graphitic shale with black friable looking material- quite competent, non-magnetic, possible some specular hematite.													
				291.7 - 294.5m; chiastolite bearing, micaceous graphitic shale. Bands of grey speckled chiastolite and fine disseminated pyrite.													
294.5	313.6	19.1	100	Magnetite Skarn; Pale green-grey to dark green grey skarn with widely variable texture. The upper 1.5m is non-mineralised carbonate. Below this the unit contains zones of abundant magnetite, chalcopyrite and pyrite. Magnetite horizons occur- between 299.6 - 303.4m, 304.1 - 306.5m, 307.8m, 309.2 - 313.6m. The last horizon contains abundant pyrrhotite as well as chalc opyrite, pyrite and magnetite.		299.5	300.5	0.34	0.08	0.15	<0.1	4.5	<0.01	0.05	0.021	4	0.01
							301.5	1.05	0.05	0.14	"	5.6	"	0.03	0.012	4	0.02
							302.5	0.30	0.08	0.05	"	1.8	"	0.04	0.014	3	0.03
							303.5	0.15	0.06	0.06	"	0.7	"	0.04	0.007	3	0.01
							304.5	0.16	0.06	0.09	"	2.2	"	0.04	0.008	3	0.15
							305.5	0.54	0.06	0.04	"	1.3	"	0.04	0.024	3	0.24
							306.5	0.17	0.07	0.17	"	5.8	"	0.05	0.022	4	0.02
							307.5	0.11	0.05	0.09	"	2.0	"	0.04	0.047	3	0.05
							308.5	0.05	0.03	0.14	"	4.3	"	0.04	0.123	4	0.03
313.6	316.8	3.2	100	Chiastolite Hornfels ; grey, fine grained hornfelsed shale containing siliceous grey hornfels and interbanded quartz and zones of abundant disseminated sulphide; pyrrhotite, pyrite, chalcopyrite.			309.5	0.08	0.06	0.11	"	1.9	"	0.03	0.012	3	0.07
							310.5	0.06	0.04	0.21	"	5.2	"	0.05	0.059	4	0.03
							311.5	0.05	0.04	0.08	"	2.5	"	0.04	0.019	3	0.03
							312.5	0.05	0.03	0.23	"	6.3	"	0.04	0.023	3	0.01
							313.5	0.04	0.02	0.13	"	2.6	"	0.04	0.015	2	0.06
316.8	317.3	0.5	100	Altered Granite; grey medium grained chloritised biotite granite.													
317.8	340.6	22.8	100	Granite; grey medium-grained biotite bearing granite. 317.8 - 325.8m; Very broken and greisenised greenish yellow granite with tourmaline nodules. This horizon is banded at upper contact. 320m - 323m contains minor crystalline fluorite. Terminated in fresh granite at 340.6m.													

[redacted]