COMPANY	**ALLEGIANCE MINING NL**
PROJECT	**EL 5/2002 EAST RENISON**
HOLE No.	**ER004**

Commenced	21-Feb-07
Completed	14-Mar-07
Logged by	LAN
Drilled by	Almac-38-Noel

Collar Details

Grid	AMG66
Easting	372 275
Northing	5 370 442
Elevation	2 210
Dip	-50
Bearing	286

Length (m)	338.60

Hole Size

From	To	Size
0.0	35.0	HQ
35.0	311.0	NQ
311.0	338.6	BQ

Major core losses:

From	To	% rec
0	37	<50
308	317	75

Down Hole Survey

Depth	Dip	Mag Brg	Grid Brg
0	-50		286
60	-51	272	285
100	-50	280	290
150	-48	311	295
200	-48	285	297
250	-47	320	297
300	-45	292	297

Purpose of Hole

Designed to test aeromagnetic anomaly associated with a gabbro-ultramafic sequence NE of karlson-Riley workings, where these formations have been severely altered by intrusion of the Pine Hill Granite.

Comments on Completion

Abundant magnetite was intersected in the altered gabbro and serpentenite but these formations were essentially devoid of sulphides

Hole Completion Condition

Hole was abandoned in difficult drilling conditions caused by swelling and broken altered ultramafics. All rods and steel casing was removed from the hole

Notes on Surveys

Down hole survey bearings below 60.0m have been largely ignored because of unreliability of readings due to abundant magnetite; A uniform swing to the NW has been assumed.

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Cr	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 004	0	18	**RUBBLE:**	0	4	5											
East Ren	ER 004			mixed rubble (gabbro, sediments, quartz) and clay;	4	16	8											
East Ren	ER 004			very poor recoveries;	16	17	10											
East Ren	ER 004				17	18	0											
East Ren	ER 004	18.0	29.2	**CLAY:**	18	19	10											
East Ren	ER 004			orange and reddish clays and severely decomposed rock -	19	20.5	40											
East Ren	ER 004			possibly weathered ultramafic or altered gabbro;	20.5	22	50											
East Ren	ER 004			very poor recoveries;	22	23.5	20											
East Ren	ER 004			sharp boundary with fresh rock below;	23.5	25	10											
East Ren	ER 004				25	26.5	30											
East Ren	ER 004	29.2	48.0	**ALTERED MAFIC or ULTRAMAFIC UNIT:**	26.5	28	50											
East Ren	ER 004			massive dark green-black altered pyroxenite or gabbro where	28	29.5	60											
East Ren	ER 004			felspars have been altered to lustrous green phenocrysts set in	29.5	34.8	100											
East Ren	ER 004			dark green-black matrix containing variable magnetite-	34.8	37	65											
East Ren	ER 004			abundant in places;	37	48	100											
East Ren	ER 004			no sulfides recognised;														
East Ren	ER 004			core moderately competent but below 45.9m., becomes very														
East Ren	ER 004			broken and rubbly;														
East Ren	ER 004			gradational contact with unit below;														
East Ren	ER 004	48	57.8	**ALTERED GABBRO ??**	48	57.8	100	49	50	150	20	<10	60	2	<50	90	130	<0.02
East Ren	ER 004			pale green medium grained strongly altered mafic rock with														
East Ren	ER 004			abundant 1-2mm white phenocrysts set in pale green soft talcy				56	57	170	10	<10	60	2	<50	130	120	<0.02
East Ren	ER 004			grondmass;														
East Ren	ER 004			cut by narrow seam of plae talc;														
East Ren	ER 004			weakly magnetic, possibly due to minor amount of fine														
East Ren	ER 004			disseminated magnetite;														
East Ren	ER 004			ground conditions good;														
East Ren	ER 004			gradational with units above and below;														
East Ren	ER 004							63	64	2010	10	<10	60	2	<50	990	40	0.08
East Ren	ER 004	57.8	125	**ALTERED ULTRAMAFICS and/or GABBRO:**	57.8	93	100											
East Ren	ER 004			57.8 - 85.0m:	93	94	90	72	73	1820	10	<10	50	1	<50	1510	40	0.05
East Ren	ER 004			dark gray-black severely altered ultramafics and.or gabrro, with	94	125	100											
East Ren	ER 004			large patches of green altered felspars? Remaining as talc-				79	80	1320	10	<10	50	1	<50	1510	40	0.04
East Ren	ER 004			tremolite set in dark green-black groundmass;														
East Ren	ER 004			talc common as an alteration product and as 1-2mm seams and				84	85	1350	10	<10	50	1	<50	2100	50	0.03
East Ren	ER 004			veins;														
East Ren	ER 004			magnetite abundant as fine-medium disseminated grains and				90	91	1190	<10	<10	40	1	<50	1890	40	0.02
East Ren	ER 004			aggregates (unlike magnetite veining in ER 003);														
East Ren	ER 004			no sulfides observed (sheen on magnetite makes it look like				98	99	1860	10	<10	50	1	50	1410	40	0.05

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Cr	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 004			sulfides in places);														
East Ren	ER 004			core moderately competent but severaal shattered and broken				106	107	2170	10	<10	50	1	<50	1280	40	0.07
East Ren	ER 004			zones associated with multiple joint directions;														
East Ren	ER 004			below 85.0m: dark green-dark gray massive altered gabbro or				109	110	2070	10	10	40	1	100	1180	40	0.08
East Ren	ER 004			ultramafic with extensive patches and seams of soft pale-dark														
East Ren	ER 004			gray serpentinite; magnetite adundant as disseminated grains;				114	115	1450	10	10	50	1	<50	1090	50	0.02
East Ren	ER 004			trace disseminated sulfides;														
East Ren	ER 004			core gradually competent except for a broken zone 110-124m;				119	120	1100	<10	<10	60	1	<50	1300	50	0.02
East Ren	ER 004			gradation with unit below;														
East Ren	ER 004	125	173.2	**SERPENTINISED ULTRAMAFIC with ADUNDANT MAGNETITE:**	125	127	100	125	126	500	<10	<10	50	<1	<50	2080	40	<0.02
East Ren	ER 004			intensely altered and serpentinised ultramafic with mottled pale	127	129.2	90	133	134	1150	<10	10	90	1	<50	1640	30	<0.02
East Ren	ER 004			green appearance;	129.2	173.2	100	139	140	1780	10	60	60	1	<50	960	20	0.02
East Ren	ER 004			main differences between this unit and the one above are:				144	145	1910	<10	10	80	1	<50	1540	30	<0.02
East Ren	ER 004			paler green color (? More intense serpentinisation?);				155	156	1710	<10	<10	50	1	<50	2010	<10	<0.02
East Ren	ER 004			and more abundant magnetite as both disseminated grains and				162	163	2330	<10	<10	60	1	<50	2270	<10	<0.02
East Ren	ER 004			numerous 1-2mm anastomosing veins;				169	170	2190	10	<10	50	1	<50	1750	<10	<0.02
East Ren	ER 004			no sulfides observed;														
East Ren	ER 004			core soft and weak but moderately compentent with a few broken														
East Ren	ER 004			zones;														
East Ren	ER 004			170.0-173.2m: core is very soft, broken and talcy;														
East Ren	ER 004	173.2	173.9	**FAULT:**	173.2	173.9	100											
East Ren	ER 004			pug zone with fragments of ultramafic caught up in soft clay;														
East Ren	ER 004	173.9	286	**ALTERED ULTRAMAFICS with ABUNDANT MAGNETITE:**	173.9	286	100	178	179	1800	<10	10	50	<1	<50	2250	<10	<0.02
East Ren	ER 004			as for 125.0....173.2m;				185	186	1540	10	10	70	1	<50	2610	<10	<0.02
East Ren	ER 004			magnetite abundant as disseminated grains and thin				196	197	510	10	20	80	<1	<50	1340	60	<0.02
East Ren	ER 004			anastomising veins;				208	209	2050	10	30	50	1	<50	900	<10	0.02
East Ren	ER 004			no sulfides observed;				218	219	2140	10	40	50	1	<50	1350	<10	<0.02
East Ren	ER 004			below 178.0m: ground conditions good;				226	227	2370	10	20	50	1	<50	1160	<10	<0.02
East Ren	ER 004			195.0-197.0m: dark gray finer grainied altered mafic (gabbro?);				232	233	2150	<10	<10	40	1	<50	1350	10	<0.02
East Ren	ER 004			several broken, soft, ocassionally puggy zones;				239	240	2380	10	<10	50	1	<50	1130	<10	0.02
East Ren	ER 004			below 200m: core dominated by light green very soft and fragile				249	250	2180	<10	<10	50	1	<50	1280	10	0.03
East Ren	ER 004			serpentinite which easily dissintegrates;				259	260	2150	<10	<10	50	1	<50	1350	20	0.02
East Ren	ER 004			no sulfides observed;				274	275	1740	<10	90	60	<1	<50	2310	30	0.02
East Ren	ER 004			gradual reduction in magnetite veining but still common;				283	284	1510	10	20	80	1	50	2600	40	<0.02
East Ren	ER 004			disseminated magnetite pervasive;														
East Ren	ER 004			transitional with unit below;														
East Ren	ER 004	286	294	**FAULT or SHEAR ZONE:**	286	294	100											
East Ren	ER 004			very broken and fragile ultramafic; possible a major fault or														
East Ren	ER 004			shear zone;														

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Cr	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 004			large quantites of sericite, talc and tremolite;														
East Ren	ER 004			no sulfides observed;														
East Ren	ER 004			magnetite common in veins and disseminated;														
East Ren	ER 004			core swelled into hole making drilling difficult;														
East Ren	ER 004			abrupt change to unit below:														
East Ren	ER 004	294	301	**SERPENTINISED PYROXENITE:**	294	301	100	297	298	820	<10	20	80	1	<50	1650	50	<0.02
East Ren	ER 004			dark green-dark gray massive altered ultramafic (possibly														
East Ren	ER 004			pyroxenite?); weakly magnetic;														
East Ren	ER 004			ground competent; minor core loss near base;														
East Ren	ER 004	301	319.3	**SERPENTINISED ULTRAMAFIC:**	301	308	100											
East Ren	ER 004			mottled light green-dark green totally serpentinised ultramafic;	308	310	90											
East Ren	ER 004			minor stichtite;	310	312	60											
East Ren	ER 004			magnetite common as veins and disseminations;	312	314	100											
East Ren	ER 004			ground very weak, fraagile and broken-rubble in places;	314	316	50											
East Ren	ER 004				316	319	90											
East Ren	ER 004			attempted bit change at 319.0m but could not get back to														
East Ren	ER 004			bottom;														
East Ren	ER 004			reduced to BQ and started BQ coring new hole at 311.0m														
East Ren	ER 004	311	319	**SHEAR/FAULT ZONE:**	311	311.8	60											
East Ren	ER 004			intervals of pale and dark green serpentinised ultramafic	311.8	313	80											
East Ren	ER 004			separated by talcy rubble and clay with significant core losses;	313	314	90											
East Ren	ER 004			disseminated magnetite but no sulfides;	314	314.6	100											
East Ren	ER 004			ground very brokena nd rubbly;	314.6	316	80											
East Ren	ER 004				316	317.4	65											
East Ren	ER 004	319	338.6	**SERPENTINISED ULTRAMAFICS:**	317.4	318.7	90	323	324	1870	10	10	50	1	<50	730	<10	<0.02
East Ren	ER 004			as for 301.0...319.3m;	318.7	319.4	85											
East Ren	ER 004			very broken and fragile;	319.4	323.7	100	335	336	2150	<10	10	60	<1	<50	540	20	<0.02
East Ren	ER 004			minor pug zone (100mm) at 366.6m;	323.7	326.7	85											
East Ren	ER 004			magnetic but no sulfides;	326.7	332.8	100											
East Ren	ER 004			difficulty changing bit; could not get back down to bottom;	332.8	335.8	90											
East Ren	ER 004			rods very tight;	335.8	337	100											
East Ren	ER 004			hole abandoned at 338.6m;	337	338.6	90											

COMPANY	**ALLEGIANCE MINING NL**
PROJECT	**EL 5/2002 EAST RENISON**
HOLE No.	**ER005**

Commenced	16-Mar-07
Completed	18-Apr-07
Logged by	LAN
Drilled by	Almac-38-Noel

Collar Details

Grid	AMG66
Easting	372 410
Northing	5 371 917
Elevation	2 180
Dip	-50
Bearing	95

Length (m)	604.20

Hole Size

From	To	Size
0.0	18.0	HW
18.0	200.8	HQ
200.8	604.2	NQ

Major core losses:

From	To	% rec
0	70	see log

Down Hole Survey

Depth	Dip	Mag Brg	Grid Brg
0	-50		94
50	-49	85	94
100	-50	85	94
150	-51	83	94
200	-51	87	95
250	-50	87	95
300	-50	89	97
350	-50	80	99
400	-49	94	101
450	-49	98	102
500	-48	99	104
550	-48	100	106
600	-47		109

Purpose of Hole

Designed to test for extensions of Salmons Vein mineralisation to the south of the identified resource; to test altered gabbros and ultramafics in this area for their nickel sulphide potential.

Comments on Completion

Hole Completion Condition

All rods and steel casing was removed from the hole

Notes on Surveys

downhole dips and bearings were obtained with a gyroscope; dips agreed closely with down hole but camera bearings were erratic and several degrees above gyroscope readings

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 005	0	18	**NO CORE:**	0	18	0											
East Ren	ER 005			Casing advancer through fluvio-glacials;														
East Ren	ER 005	18	40.5	**WEATHERED SILTSTONE and MUDSTONE:**	18	19	10											
East Ren	ER 005			orange-brown limonitic strongly weathered fine-medium grained	19	22	0											
East Ren	ER 005			siltstone interbedded with minor shaley-mudstone beds;	22	23	5											
East Ren	ER 005			BCA 20°;	23	24	5											
East Ren	ER 005			core very soft and fragile with numeroud broken, rubble and	24	25	10											
East Ren	ER 005			clay zones;	25	28	50											
East Ren	ER 005			significant core losses, especially above 25m;	28	34	100											
					34	35.4	75											
East Ren	ER 005	40.5	42	**FAULT ZONE ?**	35.4	39	100											
East Ren	ER 005			massive quartz vein with common limonite staining;	39	39.8	20											
East Ren	ER 005			no sulfides observed;	39.8	40.5	30											
East Ren	ER 005			high core losses;	40.5	41	40											
					41	43	75											
East Ren	ER 005	42	103	**SILTSTONE-SANDSTONE (graywacke)-GRIT:**	43	46	10											
East Ren	ER 005			base of limonitic weathering 47m;	46	49	30											
East Ren	ER 005			high core losses 43.0-53.0m;	49	51	20											
East Ren	ER 005			below 47m: pale gray siltstone-sandstone-mudstone;	51	53	25											
East Ren	ER 005			several pug-clay zones accompanied by high core losses; minor	53	55	20											
East Ren	ER 005			vugginess indicates water movement;	55	56.9	100											
East Ren	ER 005			BCA variable 10-30°, ocassionally to 40°;	56.9	58	65											
East Ren	ER 005			core generally very broken, soft and friable;	58	59	70											
East Ren	ER 005			74.8-78.8m: dark gray shaley beds, very broken, minor fine	59	60.4	15											
East Ren	ER 005			grained pyrite;	60.4	61	30											
East Ren	ER 005			below 80.0m: coarse grit component increasing towards base of	61	62.1	100											
East Ren	ER 005			unit; minor interbedded mudstone;	62.1	64	60											
East Ren	ER 005			BCA 45-50°;	64	67.5	100											
East Ren	ER 005			minor fine carbonate veining;	67.5	68.6	30											
East Ren	ER 005			no sulfides observed;	68.6	70	60											
East Ren	ER 005			very broken contact with unit below-significant core losses;	70	74.8	80											
					74.8	76	70											
East Ren	ER 005	103	109.8	**SHALE-MUDSTONE:**	76	77	80											
East Ren	ER 005			dark gray shale interbedded with pale gray mudstone;	77	80.3	75											
East Ren	ER 005			BCA 50°;	80.3	81.4	90											
East Ren	ER 005			minor pyrite on fracture surfaces;	81.4	90.6	100											
East Ren	ER 005			core broken; upper and lower contacts broken with significant	90.6	91	80											
East Ren	ER 005			core losses;	91	97.8	100											

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
					97.8	98.8	90											
East Ren	ER 005	109.8	115.5	**GABBRO:**	98.8	100	50											
East Ren	ER 005			dark gray, fine-medium grained altered gabbro;	100	100.9	50											
East Ren	ER 005			vuggy (water leached) but probably carbonate and not sulfides	100.9	101.8	100											
East Ren	ER 005			leached;	101.8	103	20											
East Ren	ER 005			trace Ni ? Sulfides;	103	104.5	30											
East Ren	ER 005			core very broken	104.5	105	60											
					105	106.5	40											
East Ren	ER 005	115.5	116.4	**SHALE_MUDSTONE:**	106.5	107.3	50											
East Ren	ER 005			dark gray shale , thinly interbedded with light gray mudstone;	107.3	107.8	80											
East Ren	ER 005			BCA 40°;	107.8	109	80											
East Ren	ER 005			sharp contact with gabbri below;	109	113.3	100											
					113.3	115.5	60											
East Ren	ER 005	115.5	126	**GABBRO:**	115.5	116.3	75											
East Ren	ER 005			dark gray fine-medium grained altered gabbro, silicified;	116.3	117.7	100											
East Ren	ER 005			upper and lower contacts sharp 40° CA and conformable with	117.7	118.3	80											
East Ren	ER 005			bedding;	118.3	119.4	100											
East Ren	ER 005			trace minor sulfides associated with patches and veins of	119.4	120.7	70											
East Ren	ER 005			serpentinite (or fine chlorite?);	120.7	122.6	100											
East Ren	ER 005			123.0-124.3m: quartz vein rubble with chalcopyrite-pyrite-	122.6	124	50											
East Ren	ER 005			sphalerite? Within the gabbro;	124	126	100											
East Ren	ER 005			core vuggy (water leaching of carbonate) and generally very														
East Ren	ER 005			broken;														
East Ren	ER 005																	
East Ren	ER 005	126	139.6	**CALCAREOUS MUDSTONE-LIMESTONE:**	126	139.6	100											
East Ren	ER 005			light gray, fine grained well bedded limestone interbedded with														
East Ren	ER 005			dark gray calcareous mudstone; calcareous component														
East Ren	ER 005			increases down note;														
East Ren	ER 005			BCA 45-55°;														
East Ren	ER 005			sulfides (?pyrite) common as spots, fine grained disseminations,														
East Ren	ER 005			and accompanying white calcite veining towards base of unit;														
East Ren	ER 005			ground conditions good, improving rapidly below gabbro;														
East Ren	ER 005																	
East Ren	ER 005	139.6	208	**GRAYWACKE-SHALE-GRIT:**	139.6	208	100											
East Ren	ER 005			montonous sequence of gray graywacke, dark gray mudstone-														
East Ren	ER 005			shale and gritty beds with mudstone clasts;														
East Ren	ER 005			BCA 45-55°;														
East Ren	ER 005			only minor calcareous groundmass component below 139.6m;														
East Ren	ER 005			but white carbonate veining common, especially 150-160m;														

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 005			minor pyrite throughout, often in carbonate veins; syngenetic														
East Ren	ER 005			disseminated pyrite in finer grained shaley beds;														
East Ren	ER 005			ground conditions goods;														
East Ren	ER 005			grades into...														
East Ren	ER 005																	
East Ren	ER 005	208	264.5	**CALCAREOUS MUDSTONE-GRAYWACKE SEQUENCE:**	208	264.5	100											
East Ren	ER 005			below 208m: gradual increase in calcareous component in														
East Ren	ER 005			graywacke with interbedded light gray carbonate (dolomite-														
East Ren	ER 005			limestone); BCA generally 40° within range 30-50°;														
East Ren	ER 005			ground conditions generally good;														
East Ren	ER 005			below 218m: strongly calcareous - interbedded dolomite-														
East Ren	ER 005			siltstone;														
East Ren	ER 005			1-10mmm carbonate and quartz-carbonate veining common;														
East Ren	ER 005			223.9m: 100mm massive white carbonate vein with abundant...														
East Ren	ER 005	208	264.5	coarse galena and minor sphalerite; minor-common sulfides														
East Ren	ER 005	continued....		perasvice as coasre euhedral grains and finer disseminations;														
East Ren	ER 005			below 234m: banded limestone;														
East Ren	ER 005			237.0-246.2m: soft sediment brecciation accompanied by														
East Ren	ER 005			abundant white carbonate veining with sulfides (pyrite) common														
East Ren	ER 005			in veins and as isolated coarse grains and thin seams;														
East Ren	ER 005			BCA 40°;														
East Ren	ER 005			246.2-250.1m" dark gray fine grainined highly calcareous														
East Ren	ER 005			sedi,emts cutby abundant white carbonate veins;														
East Ren	ER 005			minor-common pyrite;														
East Ren	ER 005			250.1-250.4m: brecciated sediments cut by abundant major														
East Ren	ER 005			quartz and quartz-carbonate veins with minor galena-sphalerite;														
East Ren	ER 005			main vein 70° CA;														
East Ren	ER 005			250.4-251.8m: highly altered, strongly calcareous rock with														
East Ren	ER 005			puggy faulted footwall;														
East Ren	ER 005			common coarse sulfide;														
East Ren	ER 005			possibly an altered gabbro														
East Ren	ER 005			251.8-264.5m: calcareous siltstone and light gray carbonate														
East Ren	ER 005			interbeds;														
East Ren	ER 005			abundant calcite veining;														
East Ren	ER 005			BCA 60°;														
East Ren	ER 005			ground conditions moderately good;														
East Ren	ER 005			grades into.....														
East Ren	ER 005	264.5	269.0	**SILICIFIED SEDIMENT:**	264.5	269.0	100											
East Ren	ER 005			light gray silicified sedimentwith irregular blotches and veins of														

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 005			dark green felted material (actinolite);														
East Ren	ER 005			abundant pyrrhotite in mafic clasts and disseminated in light														
East Ren	ER 005			gray interstitial material;														
East Ren	ER 005			massive unit with gradational FW and HW;														
East Ren	ER 005			ground conditions very good;														
East Ren	ER 005	269.0	335.0	**GRAYWACKE:**	269.0	335.0	100											
East Ren	ER 005			monotonous sequence of dark gray, well bedded siltstones and														
East Ren	ER 005			sandstones with minor interbedded shale and possibly a minor														
East Ren	ER 005			volcaniclastic component; non-calcareous;														
East Ren	ER 005			BCA 70°;														
East Ren	ER 005			minor widely spaced carbonate veins;														
East Ren	ER 005			ground conditions excellent;														
East Ren	ER 005			328.5-335.0m; lighter gray colored sediments with significant														
East Ren	ER 005			calcareous component;														
East Ren	ER 005			grades into.....														
East Ren	ER 005	335.0	464.0	**ALTERED MAFIC GRAYWACKE:**	335.0	464.0	100											
East Ren	ER 005			dark gray-brown medium grained graywacke, possibly with a														
East Ren	ER 005			significant mafic component;														
East Ren	ER 005			interval appears to be altered with development of patches of														
East Ren	ER 005			actinolite-tremolite; brown color due to dravite ?? Or phlogopite;														
East Ren	ER 005			silicified in places;														
East Ren	ER 005			late stage mafic (felted tremolite-actinolite) veining common in														
East Ren	ER 005			places;														
East Ren	ER 005			BCA generally 65-70°;														
East Ren	ER 005			pyrrhotite common-abundant throughout as fine disseminations														
East Ren	ER 005			clots and aggregates in graywacke, and thin massive seams and														
East Ren	ER 005			seggregations in mafic veins and quartz-actinolite-chlorite veins;														
East Ren	ER 005			349.2-349.8m: 600mm quartz-actinolite vein, parallel to bedding														
East Ren	ER 005			60° CA, with abundant seams of massive pyrrhotite and														
East Ren	ER 005			disseminated pyrrhotite;														
East Ren	ER 005			strongly leached with sulfide removal;														
East Ren	ER 005			357.5-368.5m: interbedded shales and graywacke; shales														
East Ren	ER 005			strongly deformed with some sections strongly altered;														
East Ren	ER 005			abundant pyrrhotite as fine grained disseminations, semi-														
East Ren	ER 005			massive stratabound seams and in late stage quartz-actinolite														
East Ren	ER 005			veins;														
East Ren	ER 005			below 368.5m: purplish-dark brown fine grained hornfelsed														
East Ren	ER 005			graywacke or volcaniclastic sediment; cherty intervals and														
East Ren	ER 005			patches of actinolite-tremolite alteration;														

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 005			pyrrhotite common as fine disseminationsand in thin late stage														
East Ren	ER 005			mafic veinlets;														
East Ren	ER 005			ground conditions excellent;														
East Ren	ER 005			387.3-388.0m: medium grained dark gray altered gabbro ??														
East Ren	ER 005			pervasive carbonate alteration;														
East Ren	ER 005			minor sulfides;														
East Ren	ER 005			sharp contacts parallel to bedding 70° CA;														
East Ren	ER 005			395.2-397.6m: dark gray medium grained gabbro ?? Weak														
East Ren	ER 005			carbonate alteration;														
East Ren	ER 005			minor disseminated sulfides (pyrrhotite-pentlandite??)														
East Ren	ER 005			sharp contacts parallel bedding 70°;														
East Ren	ER 005			below 397.6m: well bedded dark gray siltstone-mudstone and														
East Ren	ER 005			light gray siltstone-sandstone; pervasive soft sediment														
East Ren	ER 005			deformation;														
East Ren	ER 005			BCA 70-80°;														
East Ren	ER 005			pyrrhotite abundant-common as thin bedding parallel seams,														
East Ren	ER 005			large clots and seggregations in deformed soft sediments, and														
East Ren	ER 005			as coarse disseminations elsewhere;														
East Ren	ER 005			ground conditions good;														
East Ren	ER 005			below 412m: grades into more massive fine grained altered														
East Ren	ER 005			graywacke;														
East Ren	ER 005			bedding generally 60-70°;														
East Ren	ER 005			pyrrhotite minor-common in veins and clots and irregular														
East Ren	ER 005			masses;														
East Ren	ER 005			416.3-417.5m: two 200mm strongly altered and silicified gabbro														
East Ren	ER 005			dikes?														
East Ren	ER 005			443.2-443.7m: two 100mm zones of strongly silicified mafic rock														
East Ren	ER 005			with coarse aggregates of sulfides (pyrrhotite?);														
East Ren	ER 005			460.5-464.0m: several narrow carbonate altered gabbro units														
East Ren	ER 005			(50-100mm) carrying common sulfides (pyrrhotite?);														
East Ren	ER 005	464.0	466.0	**CARBONATE with SULFIDE (ALTERED GABBRO):**	464.0	466.0	100											
East Ren	ER 005			light gray strongly altered medium grained rock, either an														
East Ren	ER 005			altered carbonate bed or an altered gabbro;														
East Ren	ER 005			sulfide (pyrrhotite) common-abundant;														
East Ren	ER 005			gradational and sharp contacts with graywacke above and below;														
East Ren	ER 005			ground conditions excellent;														
East Ren	ER 005	466.0	477.8	**GRAYWACKE:** dark gray fine-medium grained mafic graywacke,	466.0	477.8	100											
East Ren	ER 005			strongly altered; pyrrhotite minor-common in thin seams and veins;														
East Ren	ER 005			cherty seams; gradational contact with unit below;														

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 005																	
East Ren	ER 005	477.8	480.2	**ALTERED GABBRO:**	477.8	480.2	100											
East Ren	ER 005			dark gray, medium grained altered gabbro;														
East Ren	ER 005			minor-common sulfides (pyrrhotite/pentlandite?);														
East Ren	ER 005			footwall marked by 300mm siliceous zone with abundant masses														
East Ren	ER 005			and veins of coarse felted amphibole; minor sulfides;														
East Ren	ER 005			FW sharp and unbroken 70° CA;														
East Ren	ER 005			HW sharp but not broken or brecciated;														
East Ren	ER 005			ground conditions excellent;														
East Ren	ER 005																	
East Ren	ER 005	480.2	500.8	**FINE GRAINED ALTERED GABBRO:**	480.2	500.8	100											
East Ren	ER 005			dark-medium gray, fine grained altered gabbro (?) with														
East Ren	ER 005			ocassional cherty bands and irregular masses of green coarse														
East Ren	ER 005			felted amphibole;														
East Ren	ER 005			minor quartz and quartz-carbonate veining at high angle to CA														
East Ren	ER 005			eg 492.3m: 200mm vein;														
East Ren	ER 005			minor sulfides (pyrrhotite/pentlandite) as disseminations and														
East Ren	ER 005			aggregates;														
East Ren	ER 005			lower contact 70° CA and marked by quartz-carbonate vein with														
East Ren	ER 005			trace galena-sphalerite;														
East Ren	ER 005			ground conditions excellent;														
East Ren	ER 005	500.8	506.0	**ALTERED FINE GRAINED GABBRO or ALTERED SEDIMENTS:**	500.8	506.0	100											
East Ren	ER 005			dark gray very fine grained altered gabbro or altered graywacke;														
East Ren	ER 005			patches of green felted amphibole and altered phlogopite (?)														
East Ren	ER 005			common;														
East Ren	ER 005			minor disseminated pyrrhotite/?pentlandite;														
East Ren	ER 005			502.5-506.0m: quartz veining common, typically carrying														
East Ren	ER 005			abundant chalcopyrite and pyrrhotite;														
East Ren	ER 005	506.0	528.6	**ALTERED GABBRO and ULTRAMAFIC:**	506.0	528.6	100	506	507	120	190	240	270	4	4400	40	450	0.43
East Ren	ER 005			pale green-gray medium grained altered gabbro with patches of				507	508	320	60	50	130	1	650	40	250	0.28
East Ren	ER 005			felted pale green amphibole;				508	509	270	80	110	140	2	600	50	270	0.25
East Ren	ER 005			509-510m: quartz-carbonate patches;				509	510	540	20	50	70	2	1000	90	280	0.13
East Ren	ER 005			511.8m: 50mm quartz-carbonate vein with rhodochrosite and				510	511	860	60	50	60	2	1700	120	240	0.61
East Ren	ER 005			sulfide along margins;				511	512	830	90	170	540	2	1700	90	240	1.2
East Ren	ER 005			sulfide common throughout, especially near HW as disseminated				512	513	940	120	40	80	2	1000	70	140	0.95
East Ren	ER 005			grains, aggregates, thin veinlets;				513	514	1790	140	30	60	2	1100	90	40	0.68
East Ren	ER 005			mixture of pyrrhotite and ?pentlandite? , minor sphalerite and an				514	515	1090	290	80	170	3	1050	120	130	1.61
East Ren	ER 005			equant shaped silvery mineral (?arsenopyrite?);				515	516	1330	210	20	50	2	1300	100	70	1.18
East Ren	ER 005			coarse patches of ??pentlandite?? In places;				516	517	1970	80	110	220	2	2250	100	10	1.23

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 005			525.7-528.6m: paler green-brown color with significant				517	518	1730	20	50	50	2	1500	90	<10	0.17
East Ren	ER 005			sphalerite; chalcopyrite common, infilling fine cracks;				518	519	1560	10	50	40	2	1200	80	<10	0.1
East Ren	ER 005							519	520	1350	100	50	50	2	1000	100	<10	0.83
East Ren	ER 005	528.6	536.7	**ALTERED ULTRAMAFIC:**	528.6	536.7	100											
East Ren	ER 005			dark green-black altered ultramafic with spotted appearance and														
East Ren	ER 005			common fine quartz and quartz-carbonate veining;														
East Ren	ER 005			patches of pyrrhotite and ?pentlandite? minor-common														
East Ren	ER 005			throughout;														
East Ren	ER 005			magnetite abundant;														
East Ren	ER 005			535.9-536.7m: quartz-carbonate vein with abundant pyrrhotite-														
East Ren	ER 005			?pentlandite?- galena and sphalerite as rosettes;														
East Ren	ER 005			VCA 70-80°;														
East Ren	ER 005			ground conditions very good;														
East Ren	ER 005	536.7	549.4	**ALTERED SEDIMENTS:**	536.7	549.4	100											
East Ren	ER 005			dark brown altered fine grained graywacke;														
East Ren	ER 005			minor thin white carbonate veins;														
East Ren	ER 005			BCA 50-60°;														
East Ren	ER 005			pyrrhotite common in fractures and as coarse seggregations;														
East Ren	ER 005			sharp but irregular contact with gabbro below 50° CA;														
East Ren	ER 005	549.4	554.4	**ALTERED GABBRO with sulfide and hornfelsed clasts:**	549.4	554.4	100											
East Ren	ER 005			549.4-549.8m: dark gray fine grained mineralised gabbro with														
East Ren	ER 005			patches of quartz and disseminated sulfide pyrrhotite/??														
East Ren	ER 005			pentlandite;														
East Ren	ER 005			549.8-551.2m: dark brown sediments with thin 10-20mm bands														
East Ren	ER 005			of altered gabbro carrying abundant (semi-massive) sulfide														
East Ren	ER 005			(pyrrhotite/?pentlandite) and minor quartz veining;														
East Ren	ER 005			551.2-554.4m: dark gray fine grained altered gabbro with bands														
East Ren	ER 005			of semi-massive sulfide (Pyrrhotite/??pentlandite) and zones of														
East Ren	ER 005			heavily disseminated sulfide;														
East Ren	ER 005			low angled irregular footwall contact with clasts of brecciated														
East Ren	ER 005			cherty sediments;														
East Ren	ER 005			axinite common;														
East Ren	ER 005	554.4	569.4	**ALTERED SEDIMENTS:**	554.4	569.4	100											
East Ren	ER 005			dark brown fine grained altered and hornfelsed graywacke;														
East Ren	ER 005			minor 10-15 mm carbonate veins;														
East Ren	ER 005			trace-minor pyrrhotite in thin veins;														
East Ren	ER 005			ground conditions very good;														
East Ren	ER 005			grades into……														
East Ren	ER 005	569.4	581	**ALTERED SEDIMENTS with MAJOR QUARTZ-CARBONATE-**	569.4	581	100											

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	Pb	Zn	Ag	As	Co	Sn	S
					From	To	%	From	To	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
East Ren	ER 005			**SULFIDE VEINING:**														
East Ren	ER 005			similar to sediments above but cut by numerous major quartz-														
East Ren	ER 005			carbonate-sulfide veins;														
East Ren	ER 005			571.0-572.6m: major quartz-carbonate veins with abundant														
East Ren	ER 005			pyrite, arsenopyrite, sphalerite and minor galena;														
East Ren	ER 005			200mm siliceous vein on footwall 40° CA;														
East Ren	ER 005			matrix in vein is altered dark gray mafic material;														
East Ren	ER 005			576.7m: 300mm vein with carbonate-pyrite-galena-sphalerite on														
East Ren	ER 005			HW half and white quartz with pyrite blebs on FW half;														
East Ren	ER 005			VCA 40-50°;														
East Ren	ER 005			577.0-581.0m: altered dark brown sediments cut by abundant														
East Ren	ER 005			quartz veins with minor pyrite;														
East Ren	ER 005			veins irregular but generally 60-70° CA;														
East Ren	ER 005	581	604.2	**ALTERED SEDIMENTS:**	581	604.2	100											
East Ren	ER 005			dark brown fine grained altered sediments, bleached and cherty														
East Ren	ER 005			in places;														
East Ren	ER 005			BCA 60-70°;														
East Ren	ER 005			pyrrhotite common in thin veins and disseminated in sediments;														
East Ren	ER 005			massive patches of pyrrhotite between 594.0-596.0m in														
East Ren	ER 005			sediments overlying a pale green-pink bedded unit carrying														
East Ren	ER 005			abundant pyrrhotite;														
East Ren	ER 005			ground conditions generally very good;														

COMPANY ALLEGIANCE MINING NL
PROJECT EL 5/2002 EAST RENISON
HOLE No. ER006

Commenced	19-Apr-07
Completed	19-May-07
Logged by	LAN
Drilled by	Almac-38-Noel

Collar Details

Grid	AMG66
Easting	372 305
Northing	5 371 633
Elevation	2 190
Dip	-50
Bearing	93

Length (m)	735.30

Hole Size

From	To	Size
0.0	139.0	HQ
139.0	480.8	NQ
480.8	735.3	BQ

Major core losses:

From	To	% rec
0	33	see log

Down Hole Survey

Depth	Dip	Mag Brg	Grid Brg
0	-50		95
50	-52	80	92
100	-52	81	93
150	-52	83	95
200	-50	83	95
250	-50	84	96
300	-49.5	83	95
350	-49	85	97
400	-49	85	97
450	-49	85	97
500	-48	85	97
550	-47	84	96
600	-46	86	98
650	-46	88	100
700	-46	87	99

Purpose of Hole

Designed to test for extensions of Salmons Vein mineralisation to the south of the identified resource downplunge of RBE 27 which intersected 1m @ 9% Pb and 5% Zn; also to test the altered gabbros and ultramafics between ER 005 and ER 004 for nickel sulphide potential.

Comments on Completion

Hole intersected several units of gabbro and altered ultramafics between 535 and 650m; Ni values were low throughout; Quartz carbonate alteration was pervasive and typically accompanied by significant pyrrhotite; strongest mineralisation was 556.6 - 561.0m 4.4m @ 2.3% Zn, <0.1% Pb, 11g/t Ag, including 0.4m @ 26% Zn, this zone may correlate with the salmon Lode; it also included 1.4m @ 0.35% Sn.

Hole Completion Condition

All rods and steel casing was removed from the hole

Notes on Surveys

several down hole bearings adjusted to allow for magnetic effects of alteration

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	S	Ag	Pb	Zn	Sn	WO3
					From	To	%	From	To	%	%	%	ppm	%	%	%	%
East Ren	ER006	0	15	**NO CORE:**	0	15	0										
East Ren	ER006			Casing advancer through fluvio-glacials;													
East Ren	ER006	15	17.5	**RUBBLE:**	15	17.8	30										
East Ren	ER006			Mainly quartz													
East Ren	ER006	17.5	54	**WEATHERED SEDIMENTS:**	17.8	22.0	20										
East Ren	ER006			above 37.0m: orange-brown-red weathered clayey sediments-	22.0	25.0	30										
East Ren	ER006			mainly grits and sandstone with minor shale;	25.0	28.0	60										
East Ren	ER006			BCA sparse, approx 60°;	28.0	31.0	80										
East Ren	ER006			core very broken-reduced to rubble and clay in places;	31.0	33.5	80										
East Ren	ER006			Mn staining on some joint surfaces;	33.5	46.5	100										
East Ren	ER006				46.5	49.5	90										
East Ren	ER006			37.0-54.0m: Fe oxide weathering gradually decreasing,	49.5	54.0	100										
East Ren	ER006			replaced by light gray, soft and friable sediments: siltstone and													
East Ren	ER006			minor shale;													
East Ren	ER006			BCA variable 45-55°;													
East Ren	ER006			core very soft and broken;													
East Ren	ER006	54	278.4	**INTERBEDDED SHALE-SANDSTONE -GRIT:**	54.0	68.7	100										
East Ren	ER006			54.0-65.0m: light gray interbedded shale-sandstone-grit; soft	68.7	70.0	90										
East Ren	ER006			sediment deformation common;	70.0	71.2	100										
East Ren	ER006			bedding eratic;	71.2	72.5	90										
East Ren	ER006			limonite on most joint surfaces; grades into...	72.5	278.4	100										
East Ren	ER006			65.0-80.0m: darker gray siltstone-sandstone;													
East Ren	ER006			very broken and leached in places;													
East Ren	ER006			80-108m: sequence dominated by dark gray grits and coarse													
East Ren	ER006			sandstone with minor shaley interbeds;													
East Ren	ER006			bedding not obvious-sequence massive;													
East Ren	ER006			core still very broken;													
East Ren	ER006			108-128m: dominated by purplish-dark gray argillites and grits;													
East Ren	ER006			BCA 50-55°;													
East Ren	ER006			ground conditions improve significantly below 108m;													
East Ren	ER006			128.0m: 20mm quartz-pyrite vein 40° CA;				127.4	128.4	0.01	<0.01	0.08	2	<0.01	<0.01	0.01	<0.01
East Ren	ER006			128.6-138.0m: pale gray siltstone with pyrrhotite common as				128.4	129.4	0.01	0.04	3.16	2	<0.01	<0.01	0.02	<0.01
East Ren	ER006			streaks and coarse aggregates;													
East Ren	ER006			grades into.....													
East Ren	ER006			138.0-190.0m: thick sequence dark gray-black fine grained													
East Ren	ER006			graywackes with widely spaced irregular carbonate and quartz-													
East Ren	ER006			carbonate veins;													
East Ren	ER006			pyrrhotite common throughout;													
East Ren	ER006			soft sediment deformation and slumping results in irregular													

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	S	Ag	Pb	Zn	Sn	WO3
					From	To	%	From	To	%	%	%	ppm	%	%	%	%
East Ren	ER006			bedding;													
East Ren	ER006			150.3m: 200mm quartz-carbonate vein with common pyrrhotite,													
East Ren	ER006			40° CA;													
East Ren	ER006			155.4m: 300 mm irregular block of carbonate carrying abundant				154.0	155.0	0.01	0.01	1.35	2	<0.01	0.01	<0.01	<0.01
East Ren	ER006			pyrrhotite, slumped into enclosing sediments;				155.0	156.0	<0.01	0.02	3.59	2	<0.01	0.01	0.01	0.01
East Ren	ER006			162.6m: 150mm irregular mass of quartz-carbonate-pyrite-				156.0	157.0	<0.01	<0.01	1.61	1	<0.01	<0.01	<0.01	<0.01
East Ren	ER006			pyrrhotite;				157.0	158.0	<0.01	0.01	2.44	2	<0.01	0.01	<0.01	<0.01
East Ren	ER006			below 170m: several coarser grained light gray graywacke beds													
East Ren	ER006			with common pyrrhotite;													
East Ren	ER006			minor 10-20mm quartz-pyrrhotite veins throughout, often													
East Ren	ER006			perpendicular to CA;													
East Ren	ER006			below 182m: several veins and masses of quartz-carbonate-				182.0	183.0	<0.01	0.01	1.98	2	<0.01	0.01	0.01	<0.01
East Ren	ER006			pyrite-pyrrhotite with pyrrhotite common in thin seams;				183.0	184.0	0.01	0.02	2.30	2	<0.01	<0.01	0.01	<0.01
East Ren	ER006			chaotic and slumped bedding; several gritty bands;				184.0	185.0	<0.01	0.01	3.00	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			below 190m:becoming more massive dark brown-dark gray with													
East Ren	ER006			increasing gritty nature; (ie) coarse graded bedding;													
East Ren	ER006			ground conditions generally very good;													
East Ren	ER006			209.4m: 200mm altered gabbro largely replaced by massive				209.4	209.6	0.01	0.24	23.70	3	<0.01	<0.01	<0.01	0.02
East Ren	ER006			pyrrhotite;													
East Ren	ER006			HW 45° CA, FW more diffuse and banded;													
East Ren	ER006			below 210m: interbedded shales, grits and graywacke;													
East Ren	ER006			ocassional 5-10mm quartz veins at variable orientations;													
East Ren	ER006			BCA 55°;				245.0	246.0	0.01	0.01	1.87	2	0.01	0.01	0.01	<0.01
East Ren	ER006			pyrrhotite common as thin stratabound streaks and				246.0	247.0	0.01	0.01	1.78	2	<0.01	0.01	0.01	<0.01
East Ren	ER006			disseminations, and as irregular thin veins;				247.0	248.0	<0.01	0.02	2.60	2	<0.01	<0.01	<0.01	<0.01
East Ren	ER006			below 259m: grit bands with common pyrrhotite, interbedded with				248.0	249.0	<0.01	<0.01	0.39	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			dark gray altered sediments with irregular cherty and brown				249.0	250.0	<0.01	<0.01	0.41	1	<0.01	0.01	0.01	<0.01
East Ren	ER006			phlogopite sections;				250.0	251.0	0.01	0.01	1.32	1	<0.01	<0.01	<0.01	<0.01
East Ren	ER006			269.0-270.0m: large pale gray seggregations with masses of													
East Ren	ER006			semi-massive sulfide (pyrrhotite?)-possibly mafic inclusions;				269.0	270.0	<0.01	0.01	3.51	2	<0.01	<0.01	0.01	0.01
East Ren	ER006			BCA typically 60°;													
East Ren	ER006			sulfides as discrete blobs and aggregates and infilling veins;													
East Ren	ER006			270-278.4m: dark gray shaley component increasing;													
East Ren	ER006			BCA 60°;													
East Ren	ER006			strongly pyrrhotitic;													
East Ren	ER006	278.4	420.2	**MASSIVE HORNFELSED SEDIMENTS:**	278.4	420.2	100										
East Ren	ER006			fine grained dark gray-dark brown siltstone-shale with													
East Ren	ER006			interbedded dark gray gritty sandstones; disrupted cherty													
East Ren	ER006			sections common; ocassional bands of light gray altered													

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	S	Ag	Pb	Zn	Sn	WO3
					From	To	%	From	To	%	%	%	ppm	%	%	%	%
East Ren	ER006			material, possibly an altered mafic rock?													
East Ren	ER006			BCA consistent 60°;													
East Ren	ER006			pyrrhotite not as common as in unit above; mainly in thin streaks													
East Ren	ER006			and irregular seggregations- late stage;													
East Ren	ER006			ground conditions excellent;													
East Ren	ER006			346.1m: 100mm quartz-carbonate vein with coarse pyrite-													
East Ren	ER006			sphalerite-galena on margins;													
East Ren	ER006			352-354.1m: dark gray hornfelsed graywacke with abundant thin													
East Ren	ER006			white anastomosing quartz veins carrying minor coarse grained													
East Ren	ER006			sulfide;													
East Ren	ER006			BCA's steadily increasing down hole; 259m: BCA 70°;				361.0	362.0	<0.01	<0.01	0.82	3	0.04	0.12	0.02	<0.02
East Ren	ER006			357-363m: dark gray-brown hornfelsed graywacke interbedded				362.0	363.0	<0.01	<0.01	0.09	1	<0.01	0.01	0.04	<0.01
East Ren	ER006			with light gray medium grained altered mafic-ultramafic material													
East Ren	ER006			altered to green serpentinite in places and carrying coarse				382.5	383.5	<0.01	0.01	2.00	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			seggregations of pyrrhotite-pentlandite ??				383.5	384.5	<0.01	<0.01	0.08	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			unit calcareous in parts;				384.5	385.5	<0.01	<0.01	0.14	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			376.1m: 700mm axinite-carbonate zone with common pyrrhotite-				385.5	386.5	<0.01	<0.01	0.10	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			pentlandite??				386.5	387.5	<0.01	0.01	1.35	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			below 382m: increase in pale gray granular carbonate rich beds,				387.5	388.5	0.01	0.03	3.18	2	<0.01	<0.01	0.02	<0.01
East Ren	ER006			which are either an altered calcareous sediment or an altered				388.5	389.5	0.01	0.01	2.95	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			gabbro; talc generally associated with carbonate alteration;				389.5	390.5	0.01	0.01	2.72	1	<0.01	<0.01	<0.01	0.01
East Ren	ER006			pyrrhotite common as irregular aggregates and disseminations;													
East Ren	ER006			387.5-388.5m: pale gray calcareous unit- possibly an altered				390.5	391.5	<0.01	0.01	2.60	2	<0.01	<0.01	0.01	<0.01
East Ren	ER006			gabbro;				391.5	392.5	<0.01	0.04	3.81	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			pyrrhotite common as irregular seams and aggregates;				392.5	393.5	<0.01	0.02	1.90	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			388.5-391.4m: dark gray pyrrhotitic altered graywacke;				393.5	394.5	<0.01	0.01	1.62	1	<0.01	<0.01	0.03	<0.01
East Ren	ER006			391.4-394.4m: interval dominated by carbonate-talc-axinite													
East Ren	ER006			altered units interbedded with dark gray altered graywacke;													
East Ren	ER006			pyrrhotite common-abundant, including several seams of													
East Ren	ER006			semi-massive sulfide;													
East Ren	ER006			BCA 70°;													
East Ren	ER006			could be either an altered carbonate bed or an altered gabbro;													
East Ren	ER006			apple green alteration in places suggests an altered gabbro;													
East Ren	ER006			396.8-398.2m: pale gray calcareous sediment with													
East Ren	ER006			disseminated pyrrhotite;													
East Ren	ER006			398.2-420.2m: interbedded dark gray-dark brown hornfelsed													
East Ren	ER006			cherty graywacke, pale gray calcareous sediments, and thin													
East Ren	ER006			altered gabbro? bands;													
East Ren	ER006			BCA uniform 50-55°;													

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	S	Ag	Pb	Zn	Sn	WO3
					From	To	%	From	To	%	%	%	ppm	%	%	%	%
East Ren	ER006			pyrrhotite common-abundant as thin seams, seggregations and													
East Ren	ER006			infilling late stage veins;													
East Ren	ER006			ground conditions excellent;													
East Ren	ER006	420.2	421.1	**MASSIVE CARBONATE-AXINITE UNIT:**	420.2	421.1	100	420.2	421.1	<0.01	<0.01	0.17	1	<0.01	<0.01	0.06	<0.01
East Ren	ER006			coarse grained pink-gray massive carbonate-axinite unit with													
East Ren	ER006			patches of talc-chlorite after altered mafic/ultramafic, or altered													
East Ren	ER006			calcareous sediments;													
East Ren	ER006			disseminated sulfides (pyrrhotite) common;													
East Ren	ER006	421.1	535.3	**INTERBEDDED ALTERED GRAYWACKE and CALCAREOUS**	421.1	535.3	100										
East Ren	ER006			**SEDIMENTS:**													
East Ren	ER006			as for 278-420m;													
East Ren	ER006			interbedded dark gray-dark brown cherty and hornfelsed													
East Ren	ER006			graywacke and paler gray medium grained altered calcareous													
East Ren	ER006			sediments;													
East Ren	ER006			BCA uniform 50°;													
East Ren	ER006			trace-minor pyrrhotite-much less than previous interval;													
East Ren	ER006			ground conditions excellent;													
East Ren	ER006			454-459m: fine-medium gritty beds interbedded with graywacke													
East Ren	ER006			and calcareous bands;													
East Ren	ER006			459-478m: interbedded dark gray-dark brown hornfelsed				491.0	492.0	<0.01	0.01	1.27	1	<0.01	<0.01	0.03	<0.01
East Ren	ER006			graywacke, mottled lighter gray cherty beds and light gray				492.0	493.0	<0.01	0.01	1.16	1	<0.01	<0.01	0.04	<0.01
East Ren	ER006			medium grained calcareous units;				493.0	494.0	<0.01	0.01	2.33	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			BCA consistent 50-55°;				494.0	495.0	<0.01	0.02	3.48	1	<0.01	<0.01	<0.01	<0.01
East Ren	ER006			minor thin carbonate and quartz-carbonate veins from 460.5-				495.0	496.0	0.01	<0.01	0.72	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			461.5m; trace-minor pyrrhotite to 478m;				496.0	497.0	<0.01	<0.01	0.05	1	<0.01	<0.01	<0.01	<0.01
East Ren	ER006			ground conditions excellent;				497.0	498.0	<0.01	<0.01	0.19	1	<0.01	<0.01	<0.01	<0.01
East Ren	ER006			below 478m: carbonate component increases resulting in				498.0	499.0	0.01	<0.01	0.95	1	<0.01	<0.01	<0.01	<0.01
East Ren	ER006			banded appearance;				499.0	500.0	<0.01	0.01	1.73	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			corresponding increase in pyrrhotite; minor-common pyrrhotite				500.0	501.0	0.01	0.02	1.95	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			as thin seams, large massive seggregations, irregular masses				501.0	502.0	<0.01	0.03	2.18	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			and disseminated;				502.0	503.0	<0.01	0.01	1.15	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			below505m: reverts to massive dark gray-dark brown fine grained				503.0	504.0	<0.01	0.01	2.09	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			altered graywacke;				504.0	505.0	<0.01	0.02	1.85	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			BCA 50°;													
East Ren	ER006			pyrrhotite common as seams, blebs and seggregations;													
East Ren	ER006			pyrrhotite seams increase towards base;													
East Ren	ER006			ground conditions excellent;													
East Ren	ER006	535.3	561	**ALTERED GABBRO/BASALT with QUARTZ-CARBONATE**	535.3	561.0	100	535.3	537.0	<0.01	<0.01	0.02	<1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			VEINING and ABUNDANT SULFIDES:				537.0	538.0	<0.01	<0.01	0.01	<1	<0.01	<0.01	0.01	<0.01

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	S	Ag	Pb	Zn	Sn	WO3
					From	To	%	From	To	%	%	%	ppm	%	%	%	%
East Ren	ER006			gradational contact between the altered sediments above and				538.0	539.0	<0.01	<0.01	0.68	11	0.16	1.37	0.02	<0.01
East Ren	ER006			this complex unit of altered and veined mafic rocks;				539.0	540.0	<0.01	<0.01	0.11	3	0.07	0.20	0.01	<0.01
East Ren	ER006			535.3-538.2m: zone of mixed dark fine grained altered basalts?				540.0	541.0	<0.01	<0.01	<0.01	<1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			and light gray-green sections of felted amphibole and felspar/				541.0	542.0	0.01	<0.01	0.06	1	0.01	0.12	0.01	<0.01
East Ren	ER006			carbonate augens;				542.0	543.0	<0.01	<0.01	0.01	1	<0.01	0.01	0.02	<0.01
East Ren	ER006			minor pyrrhotite;				543.0	544.0	<0.01	<0.01	<0.01	<1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			538.2-539.8m: irregular quartz-carbonate veining within altered				544.0	545.0	<0.01	<0.01	0.02	1	<0.01	0.02	0.01	<0.01
East Ren	ER006			mafic groundmass;				545.0	546.0	<0.01	<0.01	0.01	1	<0.01	0.01	0.02	<0.01
East Ren	ER006			minor sphalerite;				546.0	547.0	<0.01	<0.01	<0.01	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			539.8-551.4m: altered gabbro? resulting in development of				547.0	548.0	<0.01	<0.01	0.01	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			abundant felted amphiboles (actinolite/tremolite) and large				548.0	549.0	<0.01	0.03	0.23	1	<0.01	<0.01	0.03	<0.01
East Ren	ER006			patches of white carbonate;				549.0	550.0	<0.01	<0.01	0.44	1	<0.01	<0.01	0.04	<0.01
East Ren	ER006			common pyrrhotite-arsenopyrite at 549-549.5m;				550.0	551.0	0.01	<0.01	0.06	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			551.4-553.1m: altered ultramafics? With numerous thin talc-				551.0	552.0	0.02	<0.01	0.01	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			carbonate veins;				552.0	553.0	0.02	<0.01	<0.01	2	<0.01	0.01	0.01	0.01
East Ren	ER006			553.1-553.8m: greenish-gray soft talc-carbonate veins;				553.0	554.0	0.12	<0.01	0.18	3	0.01	0.01	0.02	<0.01
East Ren	ER006			553.8-561.0m: altered gabbro carrying bands of massive-				554.0	555.0	0.03	<0.01	0.13	2	0.01	0.06	0.01	<0.01
East Ren	ER006			semi massive pyrrhotite-sphalerite-chalcopyrite;				555.0	556.0	0.07	<0.01	0.22	2	0.02	0.05	0.01	<0.01
East Ren	ER006			556.6m: 400mm massive sulfides (pyrrhotite-sphalerite);				556.0	556.6	0.08	0.01	2.12	3	0.03	0.09	0.06	<0.01
East Ren	ER006			bands of sulfide typically 5-10mm thick;				556.6	557.0	0.04	0.36	26.00	11	0.03	19.00	0.36	<0.01
East Ren	ER006			560.7-561.0m: band of quartz-carbonate-pyrrhotite-chalcopyrite-				557.0	558.0	0.08	0.04	5.01	11	0.10	1.18	0.34	0.01
East Ren	ER006			coarse sphalerite;				558.0	559.0	0.04	0.03	3.34	10	0.09	0.23	0.01	<0.01
East Ren	ER006							559.0	560.0	0.04	0.01	1.13	2	0.01	0.21	0.02	<0.01
East Ren	ER006	561	568	**ALTERED MAFIC SEDIMENTS:**	561	568	100	560.0	560.7	0.02	0.01	0.38	2	0.02	0.14	0.02	<0.01
East Ren	ER006			dark reddish-brown fine grained hornfelsed sediments with large				560.7	561.0	0.01	1.04	20.50	70	0.24	2.99	0.20	0.1
East Ren	ER006			irregular patches and seams of felted amphibole (actinolite)													
East Ren	ER006			suggesting this was a zone of mixed sediments and mafic rocks;													
East Ren	ER006			only minor sulfides;													
East Ren	ER006			sharp contact 70° CA with unit below;													
East Ren	ER006	568	572	**ALTERED ULTRAMAFICS or GABBRO with ABUNDANT**	568.0	572.0	100.0	568.0	569.0	0.03	0.03	2.51	2	0.02	0.11	0.05	0.02
East Ren	ER006			**SULFIDES:**				569.0	570.0	0.03	0.01	1.10	1	0.01	0.08	0.04	<0.01
East Ren	ER006			very altered ultramafic/gabbro dominated by talc-carbonate-				570.0	571.0	0.09	0.05	5.67	5	0.05	0.30	0.17	<0.01
East Ren	ER006			amphibole with abundant pyrrhotite-minor sphalerite-trace				571.0	572.0	0.14	0.01	1.07	1	0.07	0.11	0.04	<0.01
East Ren	ER006			pentlandite; sulfides massive-semi-massive in places;													
East Ren	ER006			gradational with unit below;													
East Ren	ER006	572.0	587.0	**ALTERED MAFIC SEDIMENTS or ALTERED BASALT:**	572.0	587.0	100.0										
East Ren	ER006			dark reddish brown-dark gray hornfelsed mafic sediments ? Or													
East Ren	ER006			basalt?													
East Ren	ER006			pervasive fibrous amphibole as irregular masses or seams;													

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	S	Ag	Pb	Zn	Sn	WO3
					From	To	%	From	To	%	%	%	ppm	%	%	%	%
East Ren	ER006			thin irregular carbonate veins common, often accompanied by													
East Ren	ER006			coarse disseminated sulfides;													
East Ren	ER006			ground moderately good, few broken zones;													
East Ren	ER006			grades into.....													
East Ren	ER006	587.0	590.0	**QUARTZ VEINED and ALTERED SEDIMENTS:**	587.0	590.0	100.0	587.0	588.0	0.01	0.01	0.49	1	<0.01	0.02	0.10	<0.01
East Ren	ER006			hornfelsed sediments as above but containing abundant				588.0	589.0	<0.01	<0.01	0.01	<1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			irregular and massive quartz veins;				589.0	590.0	0.01	0.01	0.03	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			only minor sulfides;				590.0	591.0	0.09	<0.01	0.16	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			grades into.....				591.0	592.0	0.09	0.02	3.39	5	0.04	0.13	0.02	0.01
East Ren	ER006							592.0	593.0	0.04	0.01	2.04	3	0.02	0.37	0.06	<0.01
East Ren	ER006	590	595.1	**ALTERED GABBRO or ULTRAMAFIC with ABUNDANT SULFIDES**	590.0	595.1	100.0	592.0	594.6	0.07	0.03	6.25	4	0.02	0.95	0.12	<0.01
East Ren	ER006			dark gray talc-carbonate altered ultramafic or gabbro cut by				594.6	595.1	0.01	<0.01	0.06	<1	<0.01	<0.01	0.03	<0.01
East Ren	ER006			numerous quartz-carbonate-talc veins;													
East Ren	ER006			sulfides common-abundant in quartz-carbonate veins, as													
East Ren	ER006			irregular seams and coarse aggregates; sulfides only weakly													
East Ren	ER006			magnetic; minor galena-sphalerite in some veins;													
East Ren	ER006			below 594.6m: altered gabbro with lesser sulfides;													
East Ren	ER006			ground soft and fragile; two narrow pug zones between													
East Ren	ER006			592-592.5m;													
East Ren	ER006			lower contact 80° CA;													
East Ren	ER006	595.1	598.6	**ALTERED SEDIMENTS with MINOR GABBRO:**	595.1	598.6	100.0										
East Ren	ER006			dark reddish brown fine-medium grained hornfelsed graywacke													
East Ren	ER006			with minor beds of altered mafic material;													
East Ren	ER006			sharp contact with unit below 80° CA;													
East Ren	ER006	598.6	599.7	**ALTERED ULTRAMAFIC-MAFIC with QUARTZ-CARBONATE-**	598.6	599.7	100.0	598.6	599.7	0.10	0.02	4.47	3	0.03	1.30	0.08	<0.01
East Ren	ER006			**SULFIDE VEINING:**													
East Ren	ER006			dark green talc-carbonate altered ultramafic with abundant													
East Ren	ER006			irregular veins and masses quartz-carbonate-sulfide;													
East Ren	ER006			sulfide is a mixture of pyrrhotite-galena-sphalerite;													
East Ren	ER006	599.7	603.6	**ALTERED GABBRO:**	599.7	603.6	100.0										
East Ren	ER006			medium gray, medium grained altered mafic rock with relict													
East Ren	ER006			quartz phenocrysts, possibly an altered gabbro;													
East Ren	ER006			cut by number of 1-2mm white carbonate veins;													
East Ren	ER006			only trace sulfides;													
East Ren	ER006			ground conditions good;													
East Ren	ER006			sharp conformable contact with unit below;													
East Ren	ER006	603.6	650.0	**INTERBEDDED GRAYWACKE and MAFIC (GABBRO??) UNITS,**	603.6	650.0	100.0	618.0	619.0	0.01	0.04	0.37	1	<0.01	0.01	<0.01	<0.01
East Ren	ER006			**PYRROTITIC:**				619.0	620.0	0.01	0.04	0.39	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			dark reddish brown fine grained hornfelsed graywacke													

Project	Hole ID	From	To	Description	Recovery			Assays		Ni	Cu	S	Ag	Pb	Zn	Sn	WO3
					From	To	%	From	To	%	%	%	ppm	%	%	%	%
East Ren	ER006			commonly interbedded with narrow units of altered mafic rock,				626.0	627.0	0.01	0.04	3.17	2	<0.01	0.02	0.03	0.01
East Ren	ER006			consisting of pale gray fine-medium grained amphibole rich rock;				627.0	628.0	<0.01	0.07	2.95	2	<0.01	<0.01	0.01	<0.01
East Ren	ER006			BCA 70-80°;													
East Ren	ER006			hornfelsed mafic graywacke carries common-abundant pyrrhotite				631.0	632.0	<0.01	0.08	2.85	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			in thin seams and veins, often accompanied by minor				632.0	633.0	<0.01	0.02	1.01	1	<0.01	<0.01	0.02	<0.01
East Ren	ER006			chalcopyrite; irregular blebs, aggregates, and veins of				633.0	634.0	<0.01	0.03	1.81	1	<0.01	<0.01	0.01	<0.01
East Ren	ER006			pyrrhotite in gabbroic units, but not as abundant as in													
East Ren	ER006			sediments;				642.8	643.6	<0.01	1.38	10.40	62	0.31	0.44	0.10	0.02
East Ren	ER006			significant zones of white quartz veining, especially near top of													
East Ren	ER006			interval (eg) 618-620.5m;													
East Ren	ER006			increase in gabbroic component below 627m;													
East Ren	ER006			642.8-643.6m: quartz-pyrite-chalcopyrite-arsenopyrite-galena-													
East Ren	ER006			sphalerite vein 45° CA;													
East Ren	ER006			645-650m: several units of speckled mafic rock which is strongly													
East Ren	ER006			silicified with relict phenocrysts of white quartz set in a dark gray													
East Ren	ER006			amphibole rich groundmass;													
East Ren	ER006	650	735.3	**ALTERED CHERTY GRAYWACKE:**	650.0	735.3	100.0	693.0	694.0	0.01	0.02	0.92	1	<0.01	0.01	<0.01	<0.01
East Ren	ER006			dark chocolate brown fine grained altered cherty sediments cut				694.0	695.0	<0.01	0.02	1.80	5	0.07	0.09	0.01	0.01
East Ren	ER006			by several major quartz-carbonate-sulfide veins;													
East Ren	ER006			660m: 200mm quartz-fluorite vein with white quartz margins and													
East Ren	ER006			coarse green fluorite in vuggy central section;													
East Ren	ER006			664-665m: quartz-carbonate vein with large patches of													
East Ren	ER006			pyrrhotite and minor pyrite-galena-sphalerite;													
East Ren	ER006			BCA generally 70°;													
East Ren	ER006			671.9-672.4m: 500mm quartz-carbonate-sphalerite-galena vein;													
East Ren	ER006			90° CA;													
East Ren	ER006			674.7m: quartz-amphibole vein with large masses felted													
East Ren	ER006			amphibole (talc-actinolite);													
East Ren	ER006			678.2m: 400mm veined zone with quartz-actinolite veining in													
East Ren	ER006			brecciated graywacke;													
East Ren	ER006			690.8-695.4m: dark reddish brown graywacke cut by													
East Ren	ER006			numerous thin (1-2mm) pyrrhotite veins;													
East Ren	ER006			697-699m: cherty graywacke with high component of green-gray													
East Ren	ER006			felted amphibole;													
East Ren	ER006			722.7m: 500mm zone of white quartz with irregular patches of													
East Ren	ER006			amphibole; no sulfides;													
East Ren	ER006			734.8m: 20mm vein quartz-massive pyrrhotite; 90° CA;													
East Ren	ER006			graywacke moderately competent but significant number of													
East Ren	ER006			fractures; BCA generally 70-90°;													

COMPANY	**ALLEGIANCE MINING NL**
PROJECT	**EL 5/2002 EAST RENISON**
HOLE No.	**ER007**

Commenced	15-Jan-08
Completed	15-Feb-08
Logged by	LAN
Drilled by	Almac-38-Noel

Collar Details

Grid	GDA94
Easting	374 692
Northing	5 371 803
Elevation	?
Dip	-60
Bearing	90

Length (m)	808.50

Hole Size

From	To	Size
0.0	108.7	HQ
108.7	808.5	NQ

Major core losses:

From	To	% rec

Down Hole Survey

Depth	Dip	Mag Brg	Grid Brg
0	60		90
50	-61		85
100	-61		93
150	-62		92
200	-60		94
250	-61		98
300	-63		?27?
350	-62		105
400	-61.5		104
450	-61		104
500	-62		?174?
550	-61.5		109
600	-62		100
650	-62		100
700	-61.5		115
750	-62		121
800	-62		114

Purpose of Hole

Designed to test the Colebrook Hill Skarn

Comments on Completion

Intersected rocks comprise mainly turbiditic lithicwacke and siltstone in sheared contact with serpentinised pyroxenite; also two gabbro intrusions and minor granitic intrusions near EOH.
There are 8 skarn horizons including axinite, pyrrhotite, chalcopyrite, and arsenopyrite at the upper levels and garnet, ?scapolite, ?hornblende, actinolite, magnetite, pyrrhotite and chalcopyrite at deeper levels. There are scattered scheelite occurrences at deeper levels.
Mineralisation includes:
739.0 - 741.4m, 2.4m @ 0.44% Cu, 430ppm Co, 0.25% W and 0.2ppm Au;
296.0 - 319.3m, 23.3m @ 0.1% As and 0.08% Sn;
665.1 - 683.3m, 18.2m @ 0.22% Cu and 203ppm

Hole Completion Condition

Notes on Surveys

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
						AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	XRF	XRF	50gmFA	Leco
		Core quality				10	10	10	1	50	10	5	10	10	10	0.01	0.01%
		0-4.5 m: Very broken core. Minor clay weathering. A little limonite on joints.															
		4.5-63.5 m: Broken core with very broken intervals at 13-20 m; 29.5-30.7 m & 42.6-46 m.			88-9	9	15	191	1	984	419	91	<5	410	50	0.07	<0.01
		Slight oxidation around 43.5 m and 47.8 m.			89-90	15	4	79	1	1175	542	71	<5	280	60	0.06	0.16
		63.5-530 m: Generally long lengths of unweathered core,but with drillers breaks. Broken			90-91	2676	<1	1312	3	845	601	56	<5	230	160	0.07	8.34
		intervals at 190.4-195 m, 392-398.5 m and in parts of 452-472 m. These broken intervals			91-92	527	<1	54	1	1407	727	60	<5	250	80	0.03	2.79
		appear to be the result of drillers breaks in weak rocks (fractured and veined). No			92-93	919	3	72	2	985	725	49	<5	160	80	0.03	3.67
		clay weathering or pug.			93-93.5	1443	1	98	2	1026	554	63	<5	180	250	0.03	3.59
		530-808.5 m: Long lengths of unweathered core, but with drillers breaks.			93.5-94.5	5103	<1	118	5	4618	1517	221	<5	120	280	0.03	22.2
					94.5-95.5	1504	4	184	3	1125	520	69	<5	630	130	0.02	5.52
0.0	86.9	**Serpentinite, etc.**			95.5-96.5	27	<1	78	1	648	181	70	<5	780	50	0.01	0.02
		0-8.8 m: Medium green serpentinite with abundant disseminated magnetite and			96.5-97.5	271	14	202	1	1044	321	180	<5	1010	50	0.03	0.04
		common magnetite veinlets. Foliated in places.			97-98	2	8	147	3	342	155	21	<5	310	80	<0.01	<0.01
					98-99	10	26	110	2	315	189	19	<5	160	70	<0.01	0.01
		8.8-14.6 m: Bright green to black, massive serpentinite with minor disseminated			99-100	3	9	88	1	263	101	18	5	150	50	<0.01	<0.01
		magnetite. Asbestos veins in places.			100-101	<1	18	102	1	227	88	19	<5	150	70	<0.01	0.01
					101-102	1	<1	105	1	240	120	27	<5	160	40	<0.01	0.01
		14.6-22.6 m: Dark green to black, serpentinised pyroxenite with relict, coarse grained			102-103	46	<1	107	1	301	161	36	<5	160	90	<0.01	0.05
		(5-10 mm), crystalline texture. Substantial magnetite and scattered, thin, asbestos veinlets.			103-104.3	30	11	134	1	351	140	23	<5	280	30	<0.01	0.01
					104.3-105	4725	557	2155	10	6064	515	219	<5	350	80	0.02	3.89
		22.6-61.9 m: Dark green serpentinite with substantial disseminated magnetite and			105-106	4486	<1	186	5	647	729	69	<5	340	190	<0.01	<0.01
		scattered magnetite veinlets. Sparse disseminated sulphide around 53-55 m. There			106-107	988	2	152	2	2660	751	96	<5	290	90	<0.01	2.97
		are abundant small (1 mm), white, disseminated grains of leucoxene. These grains			107-108	1532	<1	75	2	3154	822	74	<5	310	110	<0.01	5.14
		contain cores of grey, metallic, magnetic mineral near 42 m. The serpentinite is crudely			108-109	1812	3	45	3	6064	977	159	<5	340	130	<0.01	8.20
		foliated in places with numerous subparallel, pale silicate veinlets.			109-110	2577	<1	326	3	3651	926	88	<5	210	100	<0.01	6.03
					110-111	997	<1	52	1	1310	923	26	<5	200	80	<0.01	2.76
		61.9-76.5 m: Serpentinised pyroxenite similar to 14.6-22.6 m that becomes more			111-112	1223	<1	108	2	3607	1293	58	<5	140	130	<0.01	3.41
		serpentinitic after 64.7 m. Moderate disseminated magnetite.			112-113	623	1	116	1	2620	849	54	<5	190	60	<0.01	2.40
					113-114	15	<1	106	1	395	202	46	<5	210	100	<0.01	0.03
		76.5-86.9 m: Pale to dark grey and bright, medium green talcose rocks with strong shear															
		foliation. Disseminated black chromite present. Rock becomes dark green after 80 m,	79	SF 25	176-177	118	<1	55	1	249	170	49	<5	10	130	<0.01	0.25
		but the foliation persists and there are numerous subparallel, pale silicate veinlets	86.1	SF 25	177-178.1	1101	47	810	2	433	122	45	<5	700	70	<0.01	0.50
		along with a little disseminated pyrrhotite and chromite. At 85.5-86.9 m the rock			178.1-179	549	13	111	2	394	113	31	<5	150	130	<0.01	1.81
		becomes fragmental and is very strongly shear foliated (cataclasite).			179-180	1631	<1	71	3	552	100	31	<5	370	160	<0.01	5.53
					180-181	1894	7	165	3	1218	63	42	<5	500	90	0.01	1.10
86.9	94.9	**Skarn**			181-182	329	<1	36	1	341	89	35	<5	120	100	<0.01	0.19
		Dark green, fine to coarse grained (20 mm) actinolite, subordinate mauve axinite,			182-183	132	<1	67	1	308	99	31	<5	30	50	<0.01	0.51
		minor calcite and sulphides. Minor sulphides to 89.9 m, then common, semimassive															
		patches to 94.5 m. The sulphides consist of pyrrhotite and subordinate chalcopyrite	94	SKB 35	199-200	368	<1	74	2	242	102	34	5	110	80	<0.01	0.06
		which are intergrown with one another and may be intergrown with the actinolite.			200-201	366	29	127	2	1272	997	57	<5	120	100	<0.01	0.60
					201-201.6	1889	5	76	2	2243	1559	59	<5	80	130	<0.01	1.86
94.9	104.3	**Altered lithicwacke and siltstone**			201.6-202	23400	4	473	16	1547	1614	78	<5	70	190	<0.01	12.2
		Fine grained, dark green (actinolitic), dark grey and black, altered sedimentary deposits.			202-203	679	15	151	2	501	79	11	<5	350	20	<0.01	0.04
		Includes intervals in which there is a lenticular, anastomosing fabric due to strong			203-204	735	36	227	2	378	95	17	<5	250	50	<0.01	0.38
		shearing accompanied by disruption of bedding (cataclasis). A little calcite and epidote			204-205	327	9	93	1	903	607	64	<5	120	70	<0.01	0.63

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		are present. The protolith sediments may have included mafic volcaniclastic.	104	SF 30	205-206	85	12	46	1	1780	909	83	<5	250	80	<0.01	2.24
					206-207.5	185	5	51	1	313	134	32	<5	90	90	<0.01	1.02
104.3	112.9	**Skarn**			207.5-209	394	6	15	1	170	59	13	<5	680	50	<0.01	0.26
		Dominantly pale green, actinolitic amphibole with a little white tremolite. The rocks			209-210	321	4	13	1	271	86	25	<5	380	100	<0.01	0.38
		have been disrupted and entrained giving a crude fabric of aligned, elongate, silicate			210-211	150	<1	15	1	282	71	28	<5	270	20	<0.01	0.01
		patches. There are common patches of pyrrhotite, some of which have narrow, partial			211-212	128	<1	39	1	155	92	38	<5	100	90	<0.01	<0.01
		rims of chalcopyrite, then arsenopyrite.			212-213	571	6	42	3	163	56	16	<5	560	50	<0.01	<0.01
					213-214	222	3	13	1	106	37	8	5	890	50	<0.01	0.06
112.9	133.1	**Altered lithicwacke and siltstone**			214-215	187	7	5	1	181	67	9	<5	840	80	0.01	0.86
		Very fine grained, pale and medium grey, quartz-mica, sedimentary deposits. Some	114.4	SF 60	215-216	1537	<1	49	2	722	43	23	<5	180	100	0.01	1.95
		intervals are black due to carbonaceous material. The cataclastic fabric seen in the			216-217	618	<1	20	1	563	48	8	<5	830	100	0.01	1.10
		overlying rocks persists, but it becomes less pronounced after 121.1 m. At 118-118.3 m	124	SF 35	217-218	440	13	27	1	333	105	30	<5	590	80	0.01	0.65
		there is coarse grained actinolite with minor sphalerite and trace chalcopyrite.			218-219	54	<1	1	<1	209	40	1	<5	750	50	<0.01	0.03
		There are a few, small, scattered blebs of chalcopyrite, but little other sulphide. At			219-220.2	138	14	237	1	159	40	13	<5	950	90	0.01	0.16
		130.7-131.7 m there are cream, very fine grained, ?quartz patches and a 50 mm patch of			220.2-221	1061	8	42	2	726	95	55	<5	160	110	0.01	2.10
		axinite.			221-222	963	12	77	2	478	65	33	<5	140	80	<0.01	1.41
					222-223	431	<1	41	2	335	62	39	<5	60	120	<0.01	1.70
133.1	151.8	**Gabbro**			223-224	674	4	60	2	224	100	47	<5	30	130	<0.01	2.49
		Medium grained, massive, altered gabbro consisting of actinolite, ?chlorite and			224-225	190	9	48	1	322	103	38	<5	100	50	<0.01	0.43
		feldspar. White leucoxene grains are common and may contain cores of ilmenite			225-226	523	3	42	1	484	87	45	<5	110	50	<0.01	1.43
		or have the skeletal form of ilmenite crystals. There is very little sulphide and no			226-227	686	16	42	2	407	69	33	<5	100	150	0.01	1.21
		magnetite. Actinolite veinlets are common and in places the gabbro is fractured with			227-228	1061	<1	43	2	261	97	28	<5	60	90	0.01	1.52
		fine grained alteration along the fractures.			228-229	277	<1	42	2	214	80	32	<5	60	80	0.01	0.91
					229-229.2	18700	<1	368	7	926	150	81	<5	220	140	0.01	8.55
151.8	159.8	**Altered lithicwacke and siltstone**			229.2-230	854	23	87	3	507	109	42	<5	130	60	<0.01	0.99
		Fine grained, massive, medium to dark grey rocks with scattered intervals of darker			230-231	580	10	50	2	424	83	24	<5	90	70	<0.01	0.38
		and paler banding. These rocks are probably the altered-metamorphosed equivalents	156	?So 45	231-232.5	688	<1	92	1	266	36	15	<5	160	120	0.01	0.41
		of sandstone and siltstone. They contain common pyrrhotite in patches, veins and veinlets			232.5-232.8	21700	4	954	8	410	94	33	<5	90	190	0.01	4.33
		and there appears to be some chlorite alteration.			232.8-234	385	2	48	1	278	53	21	<5	40	110	0.01	0.33
					234-235.3	608	<1	46	2	426	79	41	<5	130	70	0.01	0.69
159.8	176.9	**Gabbro**			235.3-235.5	33000	11	722	10	296	229	116	<5	50	360	<0.01	14.5
		Massive, medium grained, altered gabbro. Cut by seams of fine grained, silicate			235.5-236.3	429	<1	29	2	265	86	33	5	50	120	0.01	0.86
		alteration. No calcite alteration. A little pyrrhotite and chalcopyrite present. Dark green,			236.3-237	270	<1	24	1	282	72	37	<5	90	30	0.08	0.07
		fine grained, chlorite alteration occurs at 171.9-172.3 m around a 35 mm vein of coarse															
		grained arsenopyrite with subordinate pyrrhotite and chalcopyrite.			293-293.9	366	33	31	1	366	107	25	10	350	130	0.01	1.00
					293.9-295	13	8	21	1	336	70	29	10	520	10	0.01	0.06
176.9	178.1	**Skarn, etc.**			295-296	<1	9	33	1	273	83	22	10	590	20	<0.01	0.09
		176.9-177.3 m: Brecciated sediments with actinolite seams.			296-297	117	4	1	1	314	63	15	5	740	50	<0.01	0.55
			177.5	SKB 25	297-298	463	1	2	1	684	41	41	<5	750	30	<0.01	1.83
		177.3-178.1 m: Coarse grained actinolite and axinite with a little calcite and ?quartz.			298-299	1421	<1	25	1	149	38	12	<5	1240	80	<0.01	4.82
		Crude, stringy bands of pyrrhotite with minor chalcopyrite and pyrite.			299-300	1314	<1	15	2	2846	44	106	5	790	70	0.01	5.82
					300-301	1376	4	26	2	836	83	52	5	900	70	<0.01	4.41
178.1	200.7	**Altered lithicwacke and siltstone**			301-302	600	<1	8	1	349	107	32	10	320	50	<0.01	2.18
		178.1-182 m: Fine grained actinolite rock with patchy banding of green actinolite and pale			302-303	894	3	108	2	430	101	38	5	430	140	<0.01	3.45
		to medium grey, very fine grained ?quartz. Substantial pyrrhotite and minor chalcopyrite			303-304	975	<1	7	2	500	48	40	<5	630	110	0.01	4.20
		in cross-cutting patches and veinlets, and in bands.			304-305	448	<1	23	1	293	93	30	5	960	90	0.01	2.63

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
			184.7	So 30	305-306	1046	11	51	2	939	58	100	5	1190	90	0.01	4.61
		182-190.4 m: Fine grained, massive, dark grey-green rocks that may include actinolite-			306-307	1673	<1	59	2	2776	63	279	<5	1020	120	<0.01	6.44
		altered sediment and altered basalt.			307-308	1169	<1	14	2	1512	73	160	<5	720	100	<0.01	4.02
			194.2	So 30	308-309	943	41	28	1	225	71	30	<5	690	90	<0.01	1.86
		190.4-200.7 m: Fine grained, banded, dark grey to medium green, altered sandstone			309-310	711	43	63	2	274	79	40	10	420	40	0.01	2.16
		and siltstone with minor sulphide. Axinite vein 40 mm wide at 198 m.			310-311	1992	5	64	2	4243	59	395	<5	610	130	<0.01	8.37
					311-312	956	3	63	2	2775	70	294	5	770	90	<0.01	3.06
200.7	220.2	**Skarn**	203.5	SKB 40	312-313	111	17	65	1	307	45	38	<5	640	40	<0.01	0.43
		Pale grey and white, crudely banded intervals of ?tremolite-talc with patches of			313-314	96	25	97	1	469	63	51	5	610	10	0.01	0.31
		pyrrhotite and minor chalcopyrite. About 50% sulphide at 201.6-202 m in fine grained,	214	SKB 35	314-315	538	3	77	1	313	11	28	<5	540	30	0.01	2.04
		grey, brecciated, silica gangue. Abundant axinite is interlayered with a very fine grained,			315-316	412	<1	100	1	249	56	26	<5	960	40	<0.01	0.70
		massive grey-green and green mineral (?diopside). At 215.2-216.8 m the axinite is very			316-317	653	<1	59	1	466	37	56	<5	940	30	0.01	2.84
		coarse grained (20 mm). Sulphide is minor to 220.2 m. Sharp structural change at			317-318	311	<1	41	1	357	46	21	<5	800	20	<0.01	0.64
		200.7 m from massive to strongly foliated with tight folds locally developed and			318-319.3	436	1	34	2	660	57	43	<5	1010	80	0.02	1.84
		intervals of cataclasite.			319.3-319.9	1508	<1	30	2	4660	221	344	<5	650	180	<0.01	5.86
					319.9-321	123	<1	70	1	271	69	29	<5	60	40	<0.01	0.24
					527-528.2	27	19	61	1	166	60	45	<5	120	120	<0.01	0.01
					528.2-529	118	10	54	<1	184	75	30	<5	120	80	<0.01	0.30
					529-530	1059	8	85	<1	194	102	104	<5	370	110	<0.01	3.49
					530-531	1405	4	135	<1	594	80	248	<5	820	60	<0.01	6.14
					531-532	824	19	75	<1	221	56	85	<5	330	90	<0.01	1.92
					532-533	70	18	45	<1	287	61	63	<5	280	40	<0.01	0.05
					533-534	195	9	46	<1	140	134	43	<5	160	60	<0.01	0.50
					534-535	108	12	48	<1	190	167	70	10	170	70	<0.01	0.22
					535-536	10	7	58	<1	183	82	35	<5	120	60	<0.01	<0.01
					536-537	70	13	68	1	135	80	31	<5	140	330	<0.01	0.08
220.2	293.9	**Altered lithicwacke and siltstone**			537-538	1668	2	93	<1	103	231	167	5	180	620	<0.01	6.43
		Grey and green-grey lithicwacke and siltstone. The lithic clasts appear to be mainly of	224	SF 40	538-539	13	12	49	<1	195	33	19	5	250	90	<0.01	<0.01
		mafic composition and there are substantial quartz clasts. At 220.2-229.2 m there are			539-540	18	12	39	<1	53	34	20	<5	140	100	<0.01	0.01
		intervals in which there is a strong shear foliation parallel to the compositional banding	237.5	So 60	540-541	13	14	46	<1	198	60	41	<5	90	40	<0.01	0.01
		(?bedding), but after 229.2 m the rocks are massive and generally well bedded. There			541-542	543	2	62	<1	89	85	72	<5	340	200	<0.01	1.97
		is minor, soft sediment disruption of sandy beds with entrainment of the disrupted	247.1	SF 45	542-543	550	15	94	<1	211	74	68	5	360	70	<0.01	1.53
		fragments. Substantial sulphide comprising pyrrhotite with minor chalcopyrite is			543-544	23	9	41	<1	85	11	11	<5	820	10	<0.01	0.01
			257	E 25	544-545	12	9	38	<1	128	16	15	<5	530	20	<0.01	0.08
		present at 229-229.2 m in a foliated interval; at 232.5-232.8 m in a cross cutting,			545-546	42	43	60	<1	134	45	24	<5	590	20	<0.01	0.05
		actinolite vein and associated massive breccia; and at 235.3-235.5m in very fine	267	So 65	546-547	99	92	191	<1	170	50	35	5	370	20	<0.01	0.19
		grained actinolitic alteration. Elsewhere there are scattered zones of actinolitic			547-548	20	15	37	<1	170	23	18	5	630	10	<0.01	<0.01
		alteration, but there is only minor sulphide in veins and small patches.	277.5	So 45	548-549	12	9	36	1	156	17	8	5	650	20	<0.01	<0.01
					549-550	8	14	28	<1	300	22	35	5	680	50	<0.01	0.01
			287.6	So 45	550-551	117	15	98	<1	240	49	51	5	630	10	<0.01	0.01
					551-552	19	6	62	<1	340	58	38	<5	590	20	<0.01	<0.01
					552-553	274	<1	68	<1	835	403	92	10	390	120	<0.01	3.86
					553-554	2077	12	52	<1	199	212	167	10	220	400	0.05	9.14
					554-555	3278	2	86	<1	217	207	186	5	180	1580	0.08	9.69
					555-556	1287	11	75	<1	93	123	94	5	160	100	0.02	3.41

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
					556-557	1024	13	85	<1	214	141	95	5	300	120	<0.01	3.01
293.9	319.9	**Skarn**	294.7	So 80	557-558	425	16	64	<1	119	94	44	<5	300	80	0.02	1.17
		Intervals of axinite-calcite-epidote-pyrrhotite-minor chalcopyrite are interbanded with a			558-558.5	723	14	61	<1	123	169	50	5	280	40	<0.01	1.31
		little dark grey-green lithicwacke and siltstone and intervals of actinolite-calcite-	304.4	So 65	558.5-559	16	27	32	<1	159	52	42	<5	210	50	<0.01	0.01
		pyrrhotite-minor chalcopyrite. There are also some pale cream to grey bands that may															
		be diopside. All mineral assemblages are fine grained except for some axinite-bearing	318.4	So 75	596-597	355	43	77	<1	66	109	49	5	150	110	<0.01	0.97
		material. The sulphides occur in bands, patches and in cross cutting veinlets.			597-598.3	344	28	71	<1	<1	92	53	<5	140	130	<0.01	0.86
					598.3-598.8	6121	5	54	3	271	222	595	<5	110	760	0.03	16.4
319.9	543.1	**Altered lithicwacke and siltstone**	328	So 60	598.8-600	426	27	52	<1	116	55	56	5	180	50	<0.01	1.04
		319.9-468.5 m: Uniform, brown lithicwacke and siltstone. No carbonaceous intervals.	339.1	So 45	600-601	512	21	57	<1	66	78	85	5	180	140	<0.01	1.47
		On the basis of similarity to Avebury, the brown colour is attributed to phlogopite as a	349.7	So 40	601-602	402	27	52	<1	<1	190	58	5	210	70	<0.01	1.10
		metamorphic alteration mineral. Sulphide is common in veinlets, but these are	359	So 45	602-603	380	24	43	<1	100	185	56	<5	160	60	<0.01	1.09
		volumetrically minor. Minerals in the veinlets may include quartz, actinolite, pyrrhotite,	370.8	So 60	603-604	473	14	40	<1	<1	134	69	5	180	80	<0.01	1.53
		minor chalcopyrite and arsenopyrite.	390	So 50	604-605	551	23	49	<1	<1	145	84	5	90	450	<0.01	1.78
			393.5	f-up	605-606	47	23	50	<1	84	52	25	5	170	60	<0.01	0.07
			400	So 40	606-607	298	8	39	<1	<1	128	37	5	190	130	<0.01	0.87
		468.5-520.5 m: Common patches of fine grained, green, actinolitic alteration overprint	410	So 15	607-608	257	12	34	<1	62	103	42	5	160	110	<0.01	0.88
		the brown assemblage. Minor sulphide-bearing veinlets present. Alteration increases	410	f-up	608-609	141	14	48	<1	5	69	18	5	140	70	<0.01	0.38
		509-520.5 m.	420.5	So 50	609-610	107	15	54	<1	91	83	33	5	180	110	<0.01	0.33
			438.5	So 45	610-611	10	22	54	<1	85	25	10	<5	310	60	<0.01	<0.01
			438.5	f-up	611-612	71	20	58	<1	163	127	19	10	440	860	<0.01	0.22
			451.5	So 35	612-613	18	13	58	<1	159	34	21	10	330	80	<0.01	0.04
			451.5	f-up	613-614	5	7	63	<1	80	74	25	5	120	90	<0.01	<0.01
		520.5-528.2 m: Alteration becomes dominant and comprises mainly pale to medium	462	So 55	614-615	14	<1	96	<1	152	123	63	<5	70	30	<0.01	0.02
		grey, fine grained silicification cut by actinolitic veinlets. There are also patches of	462	f-up	615-616	82	415	510	<1	137	122	43	5	50	100	<0.01	0.31
		actinolite-altered lithicwacke and siltstone, and patches of less altered, brown	474	So 35	616-617	4153	4	62	<1	279	208	90	5	60	210	<0.01	1.71
		lithicwacke and siltstone. Very little pyrrhotite at 520.5-528.2 m.	484	So 40	617-618	771	12	72	<1	193	311	102	5	100	120	<0.01	2.80
			484	f-up	618-619	208	10	47	<1	573	332	60	10	260	670	<0.01	0.76
			502.5	So 65	619-620	97	10	35	<1	348	337	16	25	240	1260	<0.01	0.28
			502.5	f-up	620-621	87	20	39	<1	140	104	30	10	240	150	<0.01	0.25
			515	E 40	621-622	6	12	32	<1	75	25	16	5	270	80	<0.01	<0.01
		528.2-543.1 m: Pyrrhotite-minor chalcopyrite patches associated with actinolitic	526	So 55	622-623	7	17	39	<1	383	54	3	5	330	100	<0.01	<0.01
		alteration and veining at 528.2-528.3 m, 529-531.6 m, 537-537.2 m and 537.5-537.8 m.	536	So 65	623-624	19	20	61	<1	217	74	13	15	360	80	<0.01	0.03
		Coarse scheelite grains up to 10 mm across are intergrown with the pyrrhotite in the			624-625	12	10	48	<1	45	47	18	5	260	70	<0.01	0.01
		latter two intervals. At 529.6 m there is a 50 mm patch (?relict) of red-orange garnet,			625-626	7	14	25	<1	9	50	8	5	180	40	<0.01	0.01
		coarse grained actinolite and a little pyrrhotite with subordinate chalcopyrite.			626-627	47	9	46	<1	<1	71	19	5	190	70	<0.01	0.15
					627-628	22	9	21	<1	132	59	19	<5	150	130	<0.01	0.06
					628-629	8	14	26	<1	40	14	12	<5	180	70	<0.01	<0.01
					629-630	20	14	37	<1	63	71	21	<5	150	60	<0.01	0.02
					630-631	8	18	28	<1	111	102	13	<5	180	120	<0.01	0.01
					631-632	6	41	71	<1	129	155	7	5	210	140	<0.01	0.02
					632-633	3	11	26	<1	36	13	9	<5	170	90	<0.01	<0.01
					633-634	3	18	32	<1	<1	29	2	<5	150	80	<0.01	0.01
543.1	556	**Skarn**			634-635	4	15	37	<1	119	43	15	<5	180	90	<0.01	<0.01
		543.1-545.8 m: Patchy distribution of red-orange garnet, minor axinite, epidote, calcite,			635-636	4	16	31	<1	307	11	11	<5	260	60	<0.01	<0.01
		actinolite and fine grained, pale green ?diopside. Very little sulphide.			636-637	3	15	25	<1	134	25	3	<5	270	120	<0.01	<0.01

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
			546	SKB 50	637-638	4	11	31	<1	111	22	9	<5	250	80	<0.01	<0.01
		545.8-549.8 m: Similar, but with larger garnetiferous intervals with minor axinite. Cross			638-639	4	13	28	<1	<1	30	6	<5	180	130	<0.01	0.01
		cutting veinlets of actinolite-pyrrhotite present.			639-640	5	10	38	<1	166	25	15	<5	150	130	<0.01	<0.01
					640-641	5	18	31	<1	36	34	8	<5	160	70	<0.01	<0.01
		549.8-551.4 m: Mostly actinolitic with a few very small garnet patches (?relict).			641-642	103	14	31	<1	100	142	12	<5	190	80	<0.01	0.33
					642-643	7	20	47	<1	115	31	2	5	230	70	<0.01	<0.01
		551.4-552.2 m: Abundant axinite with pale green ?diopside, epidote and actinolite. No			643-644	12	8	48	<1	262	42	7	5	290	<10	<0.01	0.02
		sulphide.			644-645	11	10	58	<1	282	78	12	5	380	120	0.03	0.01
					645-646	21	11	50	<1	210	40	16	25	300	60	0.04	0.12
		552.2-556 m: Substantial pyrrhotite with subordinate chalcopyrite in predominantly			646-647	15	5	52	<1	157	48	4	20	370	480	0.03	0.03
		actinolite with a little (?relict) epidote, axinite and pale green ?diopside.			647-648	65	3	124	<1	105	35	15	5	320	120	<0.01	0.12
					648-649	8	11	47	<1	122	25	6	<5	260	100	<0.01	0.01
556	665.1	**Altered lithicwacke and siltstone**			649-650	7	8	29	<1	84	12	12	5	210	100	<0.01	<0.01
		556-563.3 m: Actinolite-altered lithicwacke and siltstone with substantial pyrrhotite at			650-651	5	10	31	<1	171	13	<1	<5	190	100	<0.01	0.02
		556-557.1 m. There are patches of pale grey, fine grained silicification at 557.8-558.5 m.			651-652	11	2	55	<1	99	27	15	5	310	10	<0.01	0.01
					652-653	11	6	51	<1	312	196	11	<5	330	110	<0.01	0.03
		563.3-576.5 m: Similar, but with intervals of pale green alteration (?diopside) containing	567.5	So 70	653-654	8	6	38	<1	6	6	<1	5	180	70	<0.01	<0.01
		dark grey patches of recrystallised sediment. Also, coarsely crystallised (10 mm), pale			654-655	4	1	41	<1	123	14	13	5	210	90	<0.01	<0.01
		green alteration at 565.7-566.1 m and 569-569.4 m. From 569.4 m silicification becomes	579	So 70	655-656	6	5	43	<1	96	33	<1	<5	310	30	<0.01	<0.01
		more pervasive.			656-657	75	7	67	<1	137	221	22	5	270	40	<0.01	0.32
			588.8	So 50	657-658	10	8	52	<1	99	30	12	10	360	40	<0.01	0.01
		576.5-665.1 m: Mostly pale grey silicification, but with intervals of brown lithicwacke			658-659	8	8	53	<1	130	21	17	10	350	80	<0.01	<0.01
		and siltstone (phlogopite hornfels-relict) and intervals of overprinting green, actinolitic	600.4	SF 25	659-659.6	9	2	64	<1	50	24	6	<5	320	30	<0.01	0.01
		alteration. Common pyrrhotite with subordinate chalcopyrite at 596.5-601 m and			659.6-659.9	1923	<1	94	2	112	340	207	5	300	170	<0.01	5.36
		semimassive material at 598.3-598.8 m. Strong shearing and cataclasis at 602.5-606 m	619	?So 10	659.9-661	11	6	63	<1	87	26	20	5	340	30	<0.01	<0.01
		with actinolite-chlorite forming the matrix. Coarse grained scheelite in veinlets on			661-662	7	8	51	<1	124	<1	17	5	320	20	<0.01	0.01
		fractures at 607.2 m, 612.9 m, 626.9 m and 627.9 m; and in the body of the rock at.	658	?So 40	662-663	9	9	50	<1	238	8	18	5	330	50	<0.01	0.02
		619 m and 647 m. At 613-618.2 m there is an interval of brown hornfels that contains			663-664	11	12	57	<1	244	20	1	5	340	230	<0.01	0.02
		numerous veinlets of phyrrhotite with minor chalcopyrite while there is an interval of			664-665.1	6	4	61	<1	266	12	17	5	340	100	<0.01	0.01
		of semimassive pyrrhotite with minor chalcopyrite at 659.6-659.9 m.			665.1-666	1735	1	90	<1	227	63	165	10	310	240	<0.01	5.24
					666-667	3489	<1	72	2	180	108	314	5	310	710	<0.01	9.92
					667-668	3327	<1	89	2	280	79	280	5	320	3360	0.11	9.13
					668-669	797	<1	86	1	165	28	121	<5	410	40	<0.01	2.18
					669-670	1965	<1	95	2	88	79	219	<5	380	120	<0.01	5.77
					670-671	3233	<1	73	2	217	123	282	5	330	30	0.04	7.74
					671-672	2082	32	152	2	220	119	240	<5	380	130	0.03	6.16
					672-673	3252	22	150	2	289	147	271	5	370	1520	0.08	7.38
					673-674	2092	5	10	1	156	118	207	<5	440	60	0.11	5.29
					674-675	751	2	118	1	238	57	93	<5	520	30	<0.01	1.82
					675-676	305	<1	106	1	114	35	61	<5	540	40	<0.01	0.73
					676-677	1568	14	109	2	214	89	124	<5	430	50	0.08	3.84
					677-678	4095	<1	88	2	208	79	263	<5	300	150	0.06	7.52
					678-679	735	2	110	2	181	48	118	<5	520	10	0.16	1.75
					679-680	579	3	102	1	186	29	95	<5	490	40	<0.01	1.62
					680-681	3245	<1	106	2	152	118	274	<5	350	160	0.05	7.94
					681-682	2428	2	122	1	87	84	250	5	370	270	0.05	7.06

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
					682-683.3	3271	<1	109	2	279	99	254	<5	380	70	0.04	7.40
					683.3-684	200	3	93	<1	174	10	37	<5	450	40	<0.01	0.10
					684-685	78	<1	134	1	392	35	49	<5	460	20	0.03	0.03
					685-686	74	<1	92	<1	331	38	28	<5	400	50	<0.01	0.12
					686-687	41	3	65	<1	110	11	17	5	400	50	<0.01	0.01
					687-688	16	<1	58	1	136	<1	12	5	400	50	<0.01	0.01
					688-689	7	10	68	1	197	8	9	<5	400	10	<0.01	<0.01
					689-690	7	9	55	1	222	22	<1	5	390	30	<0.01	0.01
					690-691	13	3	47	1	170	12	12	5	400	80	<0.01	<0.01
					691-692	5	4	71	1	311	22	21	5	440	10	<0.01	<0.01
					692-693	50	<1	88	1	258	30	27	<5	420	40	<0.01	0.13
					693-694	42	<1	7	1	186	23	<1	5	420	50	<0.01	0.13
					694-695	10	3	63	1	218	6	5	5	380	60	<0.01	<0.01
					695-696	4	5	35	1	269	57	<1	<5	240	40	<0.01	<0.01
					696-697	5	5	39	1	293	64	7	5	240	60	<0.01	<0.01
					697-698	5	2	60	1	288	44	14	<5	330	70	<0.01	<0.01
					698-699	10	<1	54	1	258	52	15	5	250	60	<0.01	<0.01
					699-700	31	23	61	1	245	22	<1	5	230	110	<0.01	0.09
					700-701	13	24	54	1	340	3	10	5	230	50	<0.01	0.01
					701-701.9	20	18	45	1	270	13	<1	5	120	80	<0.01	0.09
					701.9-703	777	1	60	1	147	110	64	10	40	120	<0.01	2.63
					703-704	803	4	61	1	342	110	84	10	60	160	<0.01	3.33
					704-705	1217	<1	68	1	183	114	140	5	280	130	<0.01	4.62
					705-706	1148	<1	78	1	316	97	138	5	430	80	<0.01	3.84
					706-706.9	548	<1	93	1	417	77	99	<5	450	40	<0.01	2.47
					706.9-708	892	<1	85	1	400	70	114	<5	480	70	<0.01	2.87
					708-709	951	20	194	1	344	64	118	<5	680	130	<0.01	2.81
					709-710	917	63	322	2	300	71	120	5	580	40	<0.01	2.93
					710-711	622	7	157	1	280	52	88	5	710	20	<0.01	1.52
					711-712	518	<1	154	1	274	58	87	<5	870	30	<0.01	1.71
					712-713	1232	<1	156	2	290	103	192	<5	450	50	<0.01	5.47
					713-714	1384	<1	145	1	351	75	192	5	570	110	<0.01	5.19
					714-715	2350	<1	124	2	376	83	251	<5	530	90	0.03	7.94
					715-716	2233	<1	115	1	291	61	207	<5	520	130	0.04	5.55
					716-717	4129	<1	113	2	519	113	361	5	500	190	0.03	11.1
					717-718	3443	<1	97	2	408	102	351	<5	350	250	0.04	12.3
					718-719	1100	5	114	1	486	65	135	5	430	50	<0.01	3.38
					719-720	4196	<1	96	2	331	101	343	<5	340	200	0.04	11.1
					720-721	1984	<1	120	2	483	103	270	5	440	120	<0.01	7.97
					721-722	208	<1	147	1	331	49	58	<5	620	30	<0.01	0.61
					722-723	109	<1	120	1	306	20	43	<5	1110	10	<0.01	0.52
			670	SKB 50	723-724	633	<1	125	1	408	70	95	<5	760	130	<0.01	2.62
665.1	683.3	**Skarn**	677	SKB 25	724-725	1049	<1	171	1	349	83	156	<5	570	70	0.10	3.89
		Interbanded fine grained, green rocks and medium grained rocks. The medium grained			725-726	159	<1	134	1	358	35	51	<5	710	20	<0.01	0.37
		rocks consist of green amphibole (?hornblende), pale grey to white, crystallised silicate			726-727	153	<1	139	1	259	129	51	<5	580	30	<0.01	0.65
		(?scapolite) and substantial pyrrhotite with minor chalcopyrite. Coarse grained			727-728	159	<1	168	1	362	62	54	<5	760	20	<0.01	0.32

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		scheelite is present in fractures at 666.6 m, 667.2 m and 667.7 m. No magnetite present.			728-729	994	<1	153	1	317	62	129	<5	600	110	<0.01	2.82
		The fine grained, green rocks are regarded as actinolite-altered sediments.			729-730	747	<1	127	1	319	44	104	<5	620	30	0.02	2.36
					730-731	1035	<1	173	2	294	91	158	<5	650	70	0.16	3.63
					731-732	434	<1	146	2	495	65	109	<5	530	10	<0.01	1.74
					732-733	91	<1	142	1	274	30	79	<5	680	30	<0.01	0.40
					733-734	94	7	216	1	321	53	66	<5	700	10	<0.01	0.36
					734-735	23	9	200	1	186	56	35	<5	680	10	<0.01	<0.01
					735-736	57	<1	167	1	424	60	50	<5	650	10	<0.01	0.13
					736-737	73	<1	128	1	320	63	49	<5	600	<10	<0.01	1.01
					737-738	24	<1	144	1	255	48	28	<5	610	<10	<0.01	0.08
					738-739	506	<1	118	1	226	60	73	<5	600	50	<0.01	1.89
					739-740	4396	<1	84	3	233	128	408	<5	260	4220	0.13	16.6
					740-741.4	4398	<1	65	3	377	170	445	5	170	1240	0.28	20.1
683.3	704.4	**Altered lithicwacke and siltstone**			741.4-742	124	<1	60	<1	204	47	29	5	300	70	<0.01	0.34
		Fine grained, grey-green, partially silicified, locally banded, actinolite-altered sediments	702	?So 40	742-743	109	<1	60	<1	299	25	22	5	270	170	<0.01	0.45
		that pass to very well banded, thinlu interbanded pyrrhotite and pale grey, very fine			743-744	53	4	46	<1	205	58	19	5	240	40	<0.01	0.18
		grainined quartz at 701.9-704.4m.			744-745	36	11	46	<1	116	37	1	<5	200	30	<0.01	0.14
					745-746	21	9	39	<1	42	37	<1	<5	180	150	<0.01	0.10
					746-747	29	<1	62	<1	245	73	7	<5	200	80	<0.01	0.13
					747-748	10	3	66	<1	177	75	25	<5	150	90	<0.01	0.02
					748-749	13	2	64	<1	293	88	24	<5	150	130	<0.01	0.06
704.4	741.4	**Skarn**			749-750	55	2	69	<1	189	67	21	<5	150	140	<0.01	0.11
		704.4-706.9 m: Fine grained, green (actinolitic), partially silicified rocks with a few narrow			750-751	6	1	64	<1	212	95	19	<5	150	90	<0.01	<0.01
		bands of medium grained, green amphibole (?hornblende)-?scapolite-pyrrhotite-minor			751-752	41	<1	35	<1	115	63	15	<5	210	120	<0.01	0.15
		chalcopyrite. One cross cutting, 2 mm veinlet of pyrrhotite-chalcopyrite-scheelite.			752-753	381	<1	47	<1	237	142	42	5	210	230	<0.01	2.21
			712.8	SKB 40	753-754	1050	<1	45	1	275	380	151	10	150	90	<0.01	5.50
		706.9-718 m: Interbanded fine grained, green (actinolitic) rock and medium grained			754-755	92	<1	66	<1	371	182	35	<5	160	140	<0.01	0.28
		?scapolite-pyrrhotite-minor chalcopyrite-magnetite-?hornblende skarn. Pink			755-756	45	<1	75	<1	622	340	19	<5	170	130	<0.01	0.08
		garnet is present in some bands at 708-714.3 m. Scheelite probably present (not			756-757	59	<1	38	<1	360	222	7	<5	160	130	<0.01	0.22
		lamped).			757-758	34	<1	63	<1	384	258	21	<5	190	120	<0.01	0.12
					758-759	33	<1	75	<1	580	304	28	<5	180	150	<0.01	0.13
			720	SKB 25	759-760	33	<1	70	<1	336	158	21	<5	200	70	<0.01	0.08
		718-722.8 m: Similar to 704.4-706.9 m. Includes a few bands of pale green ?diopside.			760-761	155	<1	34	<1	<1	207	21	5	200	100	<0.01	0.81
					761-762	65	<1	24	<1	52	108	13	<5	170	40	<0.01	0.29
					762-763	137	<1	35	<1	159	250	24	10	200	130	<0.01	0.62
					763-764	48	5	32	<1	514	190	6	5	130	90	<0.01	0.20
		722.8-738.9 m: Green amphibole-pink garnet-magnetite-pyrrhotite-minor chalcopyrite			764-765	47	4	40	<1	451	261	19	<5	130	110	<0.01	0.18
		skarn. Minor epidote and minor pale green ?diopside are present. There is planar			765-766	129	16	32	<1	459	188	63	5	160	60	<0.01	0.53
		banding of amphibole grainsize and crude planar banding of magnetite in places, but			766-767	1263	<1	52	1	371	292	158	5	240	170	<0.01	5.44
		mineral distribution tends to be patchy.			767-768	1169	<1	40	1	373	294	149	5	240	650	0.04	5.47
					768-769	561	<1	32	<1	79	432	87	5	160	100	<0.01	3.17
					769-770	178	<1	34	<1	156	205	38	5	180	80	<0.01	1.06
					770-771	25	<1	69	<1	274	126	20	<5	140	60	<0.01	0.05
		738.9-741.4 m: Semimassive pyrrhotite and minor chalcopyrite with amphibole. The	739	SKB 45	771-772	23	<1	58	<1	56	77	22	<5	160	140	<0.01	0.05
		amphibole is fibrous (actinolite), but has a lath-like relict crystal shape (?hornblende).			772-773	11	<1	30	<1	181	53	16	<5	170	140	<0.01	0.01
		Chalcopyrite forms a few late veinlets, but mostly it is intermixed with pyrrhotite. A few			773-774	32	<1	28	<1	133	106	3	5	170	130	<0.01	0.11

ER007			Structure		Core Assays	Cu	Pb	Zn	Ag	As	Ni	Co	Mo	Sn	WO3	Au	S
From	To	Description	Depth	Alpha°	Sample Depth	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		coarse grains of scheelite are present.			774-775	53	<1	47	<1	265	122	25	<5	130	100	<0.01	0.02
					775-776	55	<1	38	<1	215	114	23	5	120	100	<0.01	0.13
741.4	808.5	**Altered lithicwacke and siltstone**	750	So 30	776-777	12	<1	27	<1	174	25	11	5	160	100	<0.01	0.01
		741.4-769.5 m: Green-grey, altered (actinolitic) lithicwacke and siltstone with abundant			777-778	5	<1	19	<1	73	18	1	5	130	70	<0.01	<0.01
		actinolite-?chlorite veinlets. Remnant patches of brown hornfels at 747.3-750.8 m and	766.5	So 50	778-779	22	11	41	<1	34	24	<1	5	160	10	<0.01	0.10
		at 754.7-759.6 m. Minor patches of pyrrhotite with subordinate chalcopyrite are present			779-780	106	13	36	<1	228	20	20	<5	170	140	<0.01	0.57
		in the intervals 752.3-754 m and 766.2-769.6 m.			780-781	24	8	27	<1	59	29	4	5	130	160	<0.01	0.07
					781-782	13	14	27	<1	79	12	8	5	170	120	<0.01	0.03
		Granitoid intrusions at 767.9-768.25 m and 768.8-768.86 m consist of quartz, feldspar			782-783	13	12	33	<1	37	22	<1	<5	130	60	<0.01	0.02
		and black tourmaline. They are pale grey, massive and fine grained.			783-784	12	6	53	<1	201	39	23	<5	150	120	<0.01	0.04
					784-785	13	9	46	<1	101	38	23	<5	180	260	<0.01	0.04
					785-786	20	2	48	<1	96	31	17	5	190	90	<0.01	0.10
		769.5-794.1 m: Similar lithologies to 741.4-769.5 m, but with common patches of pale	791	So 40	786-787	74	6	28	<1	111	51	20	10	190	200	<0.01	0.31
		grey silicification. Scheelite on fractures at 755.9 m, 789.5 m, 789.7 m and 793.9 m;			787-788	47	<1	41	<1	118	66	32	<5	90	100	<0.01	0.14
		adjacent to a pyrrhotite vein at 767.1 m; and in a pyrrhotite-minor chalcopyrite-quartz-			788-789	5	3	31	<1	238	34	14	<5	190	110	<0.01	<0.01
		scheelite vein at 786 m.			789-790	66	1	33	<1	88	30	16	5	190	220	<0.01	0.30
					790-791	38	<1	21	<1	<1	33	9	<5	200	210	<0.01	0.31
					791-792	13	29	59	<1	94	38	14	5	180	100	<0.01	0.03
		794.1-808.5 m: Mostly fine grained, brown, hornfelsed lithicwacke and siltstone. Some	802	So 45	792-793	12	33	69	<1	170	52	12	<5	190	130	<0.01	0.04
		disruption of lithicwacke beds. Passes to grey and green-grey, altered lithicwacke and			793-794	19	8	43	<1	147	38	19	5	170	140	<0.01	0.08
		siltstone that is partly silicified at 806.8-808.5 m. A little sulphide occurs in veinlets and			794-795	6	<1	63	<1	119	67	30	<5	120	90	<0.01	<0.01
		some veinlets contain black tourmaline. Scheelite occurs with quartz-pyrrhotite-minor			795-796	11	<1	67	<1	258	84	43	<5	120	50	<0.01	0.03
		chalcopyrite in a veinlet at 807 m.			796-797	10	<1	81	<1	252	56	44	<5	140	50	<0.01	0.05
					797-798	17	<1	109	<1	334	73	61	5	110	110	<0.01	0.04
					798-799	6	<1	99	<1	295	88	70	<5	100	90	<0.01	0.02
					799-800	23	<1	63	<1	208	58	28	5	80	80	<0.01	0.11
					800-801	46	<1	69	<1	275	72	52	5	120	40	<0.01	0.16
					801-802	70	12	50	<1	135	65	36	<5	60	70	<0.01	0.30
					802-803	14	<1	84	<1	2664	73	61	<5	90	60	<0.01	0.02
					803-804	8	3	95	<1	268	86	66	<5	100	60	<0.01	<0.01
					804-805	38	<1	79	<1	291	79	46	<5	90	70	<0.01	0.12
					805-806	73	<1	27	<1	195	50	18	5	130	80	<0.01	0.36
					806-807.1	38	<1	71	<1	178	88	19	<5	160	250	<0.01	0.17
					807.1-808	55	<1	41	<1	336	66	12	<5	180	70	<0.01	0.30
	808.5	EOH			808-808.5	19	5	30	<1	153	38	4	<5	200	170	<0.01	0.09

APPENDIX 6

DDH ER001 – ER007 Drill Logs