R.G.C. Exploration Pty Ltd

SYLVESTER GRID

SURFACE DIAMOND DRILLHOLE : SY010

PROJECT IDEN :SYLVESTER START DATE : 14 OCT 91 COMPLETION DATE : 14 NOV 91 LOGGED BY:DAVID JOHN CROSSING
COLLAR NORTHING: 61249.00 COLLAR EASTING : 56797.00 COLLAR ELEVATION: 334.89 GRID AZIMUTH : 0.00
DRILLED BY : D.D.T. TOTAL LENGTH : 670.80 CORE/HOLE SIZE : HQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		180.00	-62.00	61249.00	56797.00	334.89
001	20.00		178.56	-60.75			
002	40.00		178.71	-62.00			
003	60.00		178.91	-62.25			
004	80.00		179.11	-62.50			
005	100.00		178.76	-62.25			
006	120.00		179.53	-62.25			
007	140.00		179.73	-62.25			
008	160.00		181.08	-62.00			
009	180.00		181.85	-62.00			
010	200.00		183.18	-62.00			
011	220.00		183.00	-62.00			
012	240.00		183.50	-61.75			
013	260.00		183.44	-61.50			
014	280.00		183.64	-61.50			
015	300.00		183.86	-61.25			
016	320.00		184.57	-61.50			
017	340.00		184.18	-61.00			
018	360.00		184.34	-60.75			
019	380.00		184.78	-60.75			
020	400.00		186.09	-60.50			
021	420.00		186.45	-60.00			
022	440.00		186.91	-59.75			
023	460.00		187.09	-59.25			
024	480.00		187.53	-59.25			
025	500.00		187.70	-59.00			
026	520.00		189.13	-59.00			
027	540.00		187.64	-59.25			
028	560.00		189.60	-59.75			
029	580.00		189.27	-60.00			
030	600.00		188.39	-60.00			

R HED This hole was collared to intersect the western extension of
R HED the magnetite-serpentinite skarn and massive pyrrhotite
R HED replacement body first intersected by SY005. Based on detailed
R HED magnetic interpretation, the steeply northerly dipping body
R HED would be intersected at a downhole depth of about 500m.
R HED The hole remained in melange to 101.5m then traversed

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R HED psammo-pelites and melange to 210.6m. From 210.6 - 510.6
R HED sandstone dominated the sediments intersected. Over the
R HED interval 510.6 - 518m (7.4m) the hole intersected
R HED magnetite-serpentinite skarn and patchy pyrrhotite with minor
R HED sphalerite, galena and chalcopyrite. From 518 - 547.4m the hole
R HED passed through pelites then encountered another magnetite skarn
R HED over the interval 547.4 - 567.9m. The skarn had a diffuse lower
R HED contact, passing downward into carbonate with only patchy
R HED magnetite-serpentinite. Below 575m the hole encountered melange
R HED and pelites to total depth (670.8m). These were hornfelsed
R HED below 578m.
R HED The hole explained the source of the magnetic anomaly but
R HED failed to encounter significant base metal mineralisation.

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	0.00	22.00			PRECOLLAR.	
	22.00	101.50			MELANGE: medium grey, moderately carbonated, massive, strongly foliated, brecciated, gradational base, hard, moderately broken core, 1% patches of pyrite.	
R	22.00	101.50			A typical (upper?) Oonah melange, with the following features;	
R	22.00	101.50			1) Monomict: clasts are virtually all sandstone.	
R	22.00	101.50			2) Clasts are sub-rounded to sub-angular.	
R	22.00	101.50			3) Clasts vary from high sphericity to elongate/lenticular.	
R	22.00	101.50			4) Clasts are <1mm - 50cm in diameter (poorly sorted).	
R	22.00	101.50			5) Matrix is fine grained, carbonaceous/graphitic.	
R	22.00	101.50			6) Matrix has well developed foliation of variable orientation. (ie. folded)	
R	22.00	101.50			7) Lenticular clasts (boudins) are aligned with foliation.	
R	22.00	101.50			8) Matrix supported.	
R	22.00	101.50			9) Contacts are gradational grading laterally into strained	
R	22.00	101.50			boudinaged psammo-pelites (interbedded psammites and pelites).	
R	22.00	101.50			The melange is probably formed as a result of intense	
R	22.00	101.50			flattening strain, as there is little evidence of rotation of	
R	22.00	101.50			boudins. Occasional small faults cross-cut melange, displacing	
R	22.00	101.50			boudins.	
					22.00 101.50 100% MELANGE: medium grey, moderately carbonated, massive, strongly foliated, brecciated, gradational base, hard, moderately broken core, 1% patches of pyrite, 1% veins of sercite.	
					95.90 97.60 100% SANDSTONE WITH SILTSTONE.	
					97.60 101.50 100% MELANGE: medium grey, moderately carbonated, microfaults, strongly foliated, brecciated, microfault: ca gradational base, 45, hard, moderately broken core, 1% patches of pyrite.	

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	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	101.50	121.50			SILTSTONE: grey-tan, medium bedded, indistinctly bedded, disrupted bedding, boudinaged, bedding: ca 50, microfault: ca 45, hard, moderately broken core, 3 % veins of quartz, 1% veins of epidote, 3 % disseminations (veins of pyrite.	UPPER OONAH
R	101.50	121.50			Microfaults form at least two sets, and most have strong	
R	101.50	121.50			slickensiding and/or fibre growth. Siltstone is occasionally	
R	101.50	121.50			limey.	
					101.50 121.50 100% SILTSTONE: grey-tan, medium bedded, indistinctly bedded, sheared, faulted, foliation: ca 45, fault: ca 45, hard, moderately broken core, 3 % veins of quartz, 1% veins of epidote, 5% patches of pyrite.	UPPER OONAH
					112.50 114.50 100% DOLOMITE: grey-tan, massive, indistinctly bedded, basal contact: ca 30.	
	121.50	149.60			MELANGE: medium dark grey, massive, moderately foliated, brecciated, basal contact: ca sharp base, 65, hard, moderately broken core, 3 % patches of pyrite, 1% patches of pyrrhotite.	UPPER OONAH
					121.50 125.00 100% MELANGE: medium dark grey, massive, strongly foliated, brecciated, foliation: ca sharp base, 10, hard, moderately broken core, 3 % patches of pyrite, 1% patches of pyrrhotite.	UPPER OONAH
					146.40 146.90 100% ROCK TYPE UNIDENTIFIED: grey-green, highly altered.	
					147.00 147.20 100% BRECCIA: grey-green, moderately altered, microfaults, closed structure.	
R	149.60	161.10			Rock is intensely altered but breccia texture is still visible.	
R	149.60	161.10			Possibly either metasomatised melange or auto-metasomatised	
R	149.60	161.10			melange is much darker (more graphitic) near contacts.	
R	149.60	161.10			hydrothermal breccia. Contacts are sharp, irregular and host	
	149.60	161.10			ROCK TYPE UNIDENTIFIED: grey-green, highly altered, massive, textures obliterated by alteration, spotted, basal contact: ca sharp base, 35, 10% disseminations = veins of carbonate, 3 % disseminations of chlorite.	
R THN	150.85	151.00			T30744; sampled for petrography.	
R	161.10	184.10			The interval is disturbed firstly by an early (flattening)	
R	161.10	184.10			increased strain into thin melange zones sub-parallel to	
R	161.10	184.10			several metres) fractures, often with slickensides. BCA's vary	
R	161.10	184.10			uphole. Sulphides mostly selectively concentrated in and/or	
R	161.10	184.10			vary 30 - 60 degrees to core axis.	
R	161.10	184.10			replacing certain beds/lamellae (?calcareous beds). Fractures	
R	161.10	184.10			45 - 80 degrees (ave. 70), and occasional graded beds face	
R	161.10	184.10			bedding, and secondly by numerous thin, widely spaced (10cm -	
R	161.10	184.10			strain that has produced localised boudinaging, grading with	

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	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	161.10	184.10			SILTSTONE: very dark grey, slightly graphitic, fine bedded, indistinctly bedded, graded bedding, disrupted bedding, uphole facing, faulted base, hard, moderately broken core, 3 % veins of quartz, 1% veins of carbonate, 1% patches of epidote, 3 % laminations of pyrite, 1% laminations of pyrrhotite. 161.10 184.10 20% SANDSTONE: medium grey, irregularly interbedded, fine bedded, medium bedded, 3 % veins of quartz, 3 % laminations of pyrite, 1% laminations of pyrrhotite. 161.10 184.10 10% MELANGE: black. 164.60 171.50 5% LIMESTONE: medium grey.	UPPER DONAH
R	172.10	173.70			Similar to interval 149.6 - 161.1m, however breccia texture is	
R	172.10	173.70			calc-silicates. Some contain numerous perfectly spherical	
R	172.10	173.70			olive-green spots (?chloritic). Probably a hydrothermal breccia	
R	172.10	173.70			well preserved. Clasts are mostly angular, microfaulted, grain	
R	172.10	173.70			composed of decussate acicular crystals, probably	
R	172.10	173.70			related to granite intrusion.	
R	172.10	173.70			supported. Under 50x magnification, the clasts are seen to be 172.10 173.70 90% BRECCIA: grey-green, moderately altered, massive, spotted, brecciated, small pebble, extremely angular, very high sphericity shape, closed structure, top contact: ca 60, basal contact: ca 30, 1% interstitial carbonate, 3 % interstitial chlorite.	
	184.10	184.15			FAULT: slickensided, fibrous, fault: ca 45.	
	184.15	210.60			MELANGE: very dark grey, massive, moderately foliated, moderately folded, open structure, hard, moderately broken core, 0.3% patches of pyrite, 1% disseminations = veins of pyrrhotite.	
R	184.15	210.60			Not as well developed, varying in intensity from boudinaged	
R	184.15	210.60			remnants of interbeded sandstone/siltstone to typical sandstone	
R	184.15	210.60			dominant matrix supported breccia with numerous lenticular	
R	184.15	210.60			clasts aligned with foliated matrix. Foliations are locally	
R	184.15	210.60			strongly folded. 193.40 200.00 50% SANDSTONE: medium grey, fine bedded, coarse bedded, boudinaged, medium grained.	
R	207.40	207.41			Melange fabric. 207.40 207.41 100% STRUCTURAL MEASUREMENT: foliation: 008 / 79.	
R	207.50	207.51			Melange fabric. 207.50 207.51 100% STRUCTURAL MEASUREMENT: foliation: 008 / 70. 208.30 208.31 100% STRUCTURAL MEASUREMENT: fault: 037 / 78.	

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SURFACE DIAMOND DRILLHOLE : SY010 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
R	208.50	208.51			Fibre growth indicates reverse movement (upper block south). 208.50 208.51 100% STRUCTURAL MEASUREMENT: fault: 007 / 71, fibre: 049 / 74. 208.60 208.61 100% STRUCTURAL MEASUREMENT: fault: 016 / 75, fibre: 360 / 80.	
R	209.40	209.41			Melange fabric. 209.40 209.41 100% STRUCTURAL MEASUREMENT: foliation: 350 / 77.	
R	210.15	210.16			Fibre growth poorly developed, suggests reverse movement. 210.15 210.16 100% STRUCTURAL MEASUREMENT: fault: 007 / 65, fibre: 357 / 66.	
R	210.20	210.21			Fibre growth poorly developed, suggests reverse movement. 210.20 210.21 100% STRUCTURAL MEASUREMENT: fault: 360 / 50, fibre: 345 / 55.	
	210.60	280.50			SANDSTONE: light grey, medium bedded, coarse bedded, bedding: ca 45, gradational base, hard, moderately broken core, 1% veins of quartz.	OONAH FM UNDIFFERENT
R	210.60	280.50			Well developed graded beds face consistently uphole. BCA's vary 30 - 80 degrees (ave 45). Sandstone beds decrease in abundance toward base, which is gradational.	
R	210.60	280.50				
R	210.60	280.50				
					210.60 280.50 50% SANDSTONE WITH SILTSTONE: light grey, irregularly interbedded, fine bedded, medium bedded, graded bedding, uphole facing. 210.65 210.66 100% STRUCTURAL MEASUREMENT: bedding: 338 / 83. 211.15 211.55 100% BRECCIA: moderately altered, small pebble.	
R	211.20	211.21			Breccia dyke contact. 211.20 211.21 100% STRUCTURAL MEASUREMENT: basal contact: 167 / 10.	
R	211.50	211.51			Breccia dyke contact. 211.50 211.51 100% STRUCTURAL MEASUREMENT: basal contact: 024 / 82.	
					211.55 214.56 100% SANDSTONE: light grey, medium bedded, coarse bedded, bedding: ca 10, gradational base, hard, moderately broken core, 1% veins of quartz. 214.00 214.01 100% STRUCTURAL MEASUREMENT: bedding: 240 / 74. 216.60 216.61 100% STRUCTURAL MEASUREMENT: bedding: 353 / 76. 217.00 217.01 100% STRUCTURAL MEASUREMENT: bedding: 338 / 66. 236.20 236.21 100% STRUCTURAL MEASUREMENT: bedding: 360 / 76. 236.30 236.31 100% STRUCTURAL MEASUREMENT: fault: 273 / 63, slickensides: 192 / 32. 237.50 237.51 100% STRUCTURAL MEASUREMENT: vein: 241 / 78. 238.50 239.90 20% VEIN: vein: ca 0, 30% massive/ semi - massive quartz, 20% interstitial carbonate, 50% massive/ semi	OONAH FM UNDIFFERENT

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	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
					+ massive pyrrhotite.	
					239.90 239.91 100% STRUCTURAL MEASUREMENT: bedding: 357 / 82.	
					241.20 241.21 100% STRUCTURAL MEASUREMENT: bedding: 005 / 84.	
R	241.70	241.71			?cleavage.	
					241.70 241.71 100% STRUCTURAL MEASUREMENT: foliation: 019 / 90.	
					242.80 242.81 100% STRUCTURAL MEASUREMENT: foliation: 330 / 84.	
R	242.90	246.90			A complex zone exhibiting an early "melange" style tectonic	
R	242.90	246.90			breccia with foliations at 50 - 80 degrees to core axis and a	
R	242.90	246.90			later penetrative foliation at 30 degrees to core axis	
R	242.90	246.90			(?cleavage).	
					242.90 246.90 100% SANDSTONE: light grey, slightly altered, disrupted bedding, brecciated, sheared, lightly foliated, bedding: ca 45, foliation: ca gradational base, 30, hard, moderately broken core, 5% disseminations (veins of quartz, 3 % veins of carbonate, 3 % disseminations (veins of pyrite.	OONAH FM UNDIFFERENT
					243.30 243.31 100% STRUCTURAL MEASUREMENT: foliation: 180 / 86.	
					243.60 243.61 100% STRUCTURAL MEASUREMENT: fault: 256 / 34.	
R	244.00	244.01			Fibre growth indicates upper block moved toward 330 degrees	
R	244.00	244.01			(azimuth).	
					244.00 244.01 100% STRUCTURAL MEASUREMENT: fault: 049 / 83, fibre: 330 / 50.	
R	244.90	244.91			Slickensides indicate upper block moved(downslip) toward 042	
R	244.90	244.91			degrees (azimuth).	
					244.90 244.91 100% STRUCTURAL MEASUREMENT: fault: 284 / 45, slickensides: 266 / 42.	
					245.10 245.11 100% STRUCTURAL MEASUREMENT: fault: 032 / 52, fault: 042 / 56.	
					245.40 245.41 100% STRUCTURAL MEASUREMENT: foliation: 358 / 60, fault: 274 / 30.	
					247.50 247.55 100% FAULT: fault: ca 45.	
					250.00 270.00 100% SANDSTONE: light grey, graded bedding, coarse bedded, microfaults, microfault: ca 20, uphole facing, microfault: ca gradational base, 50, hard, moderately broken core, 1% veins of quartz.	OONAH FM UNDIFFERENT
					256.00 256.30 100% SANDSTONE: light grey, microfaults, coarse bedded, microfault: ca 70, gradational base, hard, moderately broken core, 1% veins of quartz.	OONAH FM UNDIFFERENT
					279.20 280.50 100% SANDSTONE: light grey, medium bedded, coarse bedded, stockworked, faulted, fault: ca 05, basal contact: ca faulted base, 30, hard, moderately broken core, 1% veins of quartz, 5% stockwork of pyrite.	OONAH FM UNDIFFERENT

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	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	280.50	323.00			SANDSTONE WITH SILTSTONE: medium grey, fine bedded, medium bedded, well bedded, bedding: ca 70, uphole facing, gradational base, hard, moderately broken core, 1% disseminations < veins of pyrite, 1% disseminations < veins of pyrrhotite.	OONAH FM UNDIFFERENT
R	298.40	298.41			Fibres indicate upper block moved down. 298.40 298.41 100% STRUCTURAL MEASUREMENT: fault: 288 / 40, fibre: 268 / 36. 299.35 299.60 100% STRUCTURAL MEASUREMENT: microfault: 280 / 88, bedding: 158 / 80.	
R	300.75	300.76			Fibres indicate upper block has moved up. 300.75 300.76 100% STRUCTURAL MEASUREMENT: fault: 060 / 35, fibre: 072 / 30. 301.20 301.21 100% STRUCTURAL MEASUREMENT: vein: 325 / 72. 302.10 302.11 100% STRUCTURAL MEASUREMENT: bedding: 282 / 70. 310.40 310.41 100% STRUCTURAL MEASUREMENT: bedding: 046 / 40. 312.45 312.46 100% STRUCTURAL MEASUREMENT: bedding: 342 / 49. 317.00 317.01 100% STRUCTURAL MEASUREMENT: bedding: 320 / 41.	
	323.00	505.70			SANDSTONE: light grey, coarse bedded, medium bedded, hard, slightly broken core, 1% disseminations < veins of pyrite, 1% disseminations < veins of pyrrhotite. 323.00 505.70 30% SILTSTONE: pale tan, irregularly interbedded, fine bedded, medium bedded, lenticular, graded bedding, uphole facing, 1% disseminations < veins of pyrite, 1% disseminations < veins of pyrrhotite. 335.20 335.21 100% STRUCTURAL MEASUREMENT: vein: 134 / 35. 336.00 337.50 100% SANDSTONE: light grey, coarse bedded, medium bedded, hard, slightly broken core, 1% disseminations < veins of pyrite, 0.3% veins of galena, 3 % disseminations < veins of pyrrhotite, 1% veins of sphalerite. (OONAH FM UNDIFFERENT) 336.40 336.41 100% STRUCTURAL MEASUREMENT: vein: 310 / 80. 355.40 355.41 100% STRUCTURAL MEASUREMENT: bedding: 015 / 45. 358.80 358.81 100% STRUCTURAL MEASUREMENT: bedding: 022 / 40. 364.55 364.56 100% STRUCTURAL MEASUREMENT: bedding: 035 / 42. 393.15 393.16 100% STRUCTURAL MEASUREMENT: bedding: 356 / 60. 394.90 394.91 100% STRUCTURAL MEASUREMENT: bedding: 351 / 88. 398.00 505.70 50% SANDSTONE WITH SILTSTONE: medium grey, fine bedded, medium bedded, well bedded, bedding: ca 70, gradational base, 0.3% disseminations < veins of pyrite, 0.3% disseminations < veins of pyrrhotite. 403.00 411.00 100% SANDSTONE: green-brown, slightly altered, coarse bedded, medium bedded, hard, slightly broken core, 3 % (OONAH FM UNDIFFERENT)	OONAH FM UNDIFFERENT

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	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
					disseminations = veins of siderite, 1% disseminations = veins of epidote, 1% disseminations (veins of pyrite, 1% disseminations (veins of pyrrhotite, 3 % disseminations = veins of calc-silicates.	
					414.90 415.90 100% MELANGE: medium dark grey, sheared, shear: ca 45, 3 % disseminations of epidote.	
					415.90 428.30 80% SANDSTONE: light grey, moderately altered, moderately silicified, coarse bedded, medium bedded, bedding: ca 50, vein: ca 30, hard, slightly broken core, 10% patches of quartz, 1% disseminations of chlorite, 1% stockwork of pyrite, 0.1% stockwork of galena, 3 % stockwork of pyrrhotite, 0.3% stockwork of sphalerite.	OONAH FM UNDIFFERENT
R	430.20	454.00			Psammo-pelites are moderately disrupted and altered, with	
R	430.20	454.00			widespread boudinaging of pelitic beds and quartz veins, and	
R	430.20	454.00			some localised brecciation in brittle psammite beds.	
					430.20 454.00 100% SANDSTONE: light grey, moderately altered, moderately silicified, coarse bedded, medium bedded, boudinaged, brecciated, hard, slightly broken core, 10% disseminations (veins of quartz, 1% breccia fillings of carbonate, 3 % stockwork of pyrite, 1% stockwork of pyrrhotite, .03% stockwork of sphalerite.	OONAH FM UNDIFFERENT
					451.80 451.81 100% STRUCTURAL MEASUREMENT: foliation: 006 / 70.	
					473.80 505.70 100% SANDSTONE WITH SILTSTONE: dark grey, fine bedded, soft sediment slumping, bedding: ca 75.	
					473.80 476.00 100% MELANGE: very dark grey, foliation: ca 25.	
					480.00 480.01 100% STRUCTURAL MEASUREMENT: bedding: 215 / 72.	
					480.90 480.91 100% STRUCTURAL MEASUREMENT: microfault: 205 / 76.	
					481.45 481.46 100% STRUCTURAL MEASUREMENT: bedding: 010 / 80.	
					481.50 481.51 100% STRUCTURAL MEASUREMENT: melange foliation: 015 / 80.	
					482.60 482.61 100% STRUCTURAL MEASUREMENT: melange foliation: 232 / 85.	
					483.70 483.71 100% STRUCTURAL MEASUREMENT: bedding: 340 / 70.	
					484.70 484.71 100% STRUCTURAL MEASUREMENT: melange foliation: 339 / 83.	
					485.30 485.31 100% STRUCTURAL MEASUREMENT: melange foliation: 194 / 85.	
					485.90 485.91 100% STRUCTURAL MEASUREMENT: microfault: 146 / 86.	
					491.00 501.90 50% MELANGE: very dark grey, 3 % disseminations = veins of pyrite.	

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	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	505.70	506.10			VEIN: 90% massive/ semi - massive quartz, 1% disseminations < veins of pyrite, 3 % veins of clay.	
	506.10	508.00			SANDSTONE WITH SILTSTONE: light grey, fine bedded, well bedded, bedding: ca 70, basal contact: ca 55. 507.60 507.90 100% FAULT: fault: ca 45.	
	508.00	510.60			SANDSTONE: brecciated, hard, exceptionally broken core, 5% breccia fillings of carbonate, 3 % veins of chlorite, 1% disseminations = veins of galena, 3 % veins of sercite.	OONAH FM UNDIFFERENT
R	508.00	510.60			Core block 511.4 and 511.7 are either miss-labelled or	
R	508.00	510.60			miss-placed. The material recovered is altered and moderately	
R	508.00	510.60			brecciated sandstone. Carbonate occurs as breccia fill and	
R	508.00	510.60			related stockwork veining. Interval 508.6 - 510.4 (no core) may	
R	508.00	510.60			be a fault. 508.60 510.40 100% NO CORE.	
	510.60	518.00			SKARN: green-black, serpentinized, magnetite, massive, hard, moderately broken core, 10% patches of carbonate, 30% patches of magnetite, 10% disseminations of pyrrhotite, 50% interstitial serpentine.	UPPER OONAH
					510.60 512.30 100% SKARN: light green, serpentinized, magnetite, massive, hard, moderately broken core, 10% patches of carbonate, 80% interstitial magnetite, 10% disseminations of pyrrhotite, 1% veins of sphalerite, 10% disseminations of serpentine.	UPPER OONAH
					512.30 515.50 100% SKARN: green-black, serpentinized, magnetite, massive, hard, moderately broken core, 10% patches of carbonate, 20% patches of magnetite, 0.1% disseminations of chalcopyrite, 10% disseminations of pyrrhotite, .03% disseminations = veins of sphalerite, 50% interstitial serpentine.	UPPER OONAH
					515.50 516.00 100% MASSIVE SULPHIDES: green-black, serpentinized, magnetite, massive, hard, moderately broken core, 5% disseminations = veins of carbonate, 20% disseminations of magnetite, 0.3% disseminations of chalcopyrite, 60% massive/ semi - massive pyrrhotite, 5% interstitial serpentine.	UPPER OONAH
					517.50 517.70 100% VEIN: green-black, serpentinized, magnetite, vuggy, brecciated, faulted, vein: ca 25, hard, moderately broken core, 80% massive/ semi - massive carbonate, 30% patches of magnetite, 10% disseminations of pyrrhotite, 50% interstitial serpentine.	UPPER OONAH

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY010 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Unit
	518.00	519.00			FAULT: medium light green, sheared, shear: ca 60, 70% massive/ semi - massive carbonate, 3 % disseminations of chlorite, 0.3% disseminations of pyrite, 3 % disseminations of sercite. 518.00 519.00 40% SHALE: black, indistinctly bedded, 1% veins of carbonate.	
	519.00	524.50			SHALE: black, highly carbonaceous, slightly graphitic, indistinctly bedded, bedding: ca 20, diffuse base, hard, moderately broken core, 3 % veins of carbonate, 3 % veins of pyrrhotite.	UPPER OONAH
	524.50	528.90			MELANGE: black, highly carbonaceous, slightly graphitic, shear: ca 35, hard, moderately broken core, 3 % veins of quartz, 3 % disseminations = veins of carbonate, 3 % veins of pyrrhotite.	UPPER OONAH
R	524.50	528.90			Melange fabric has chaotically variable orientation, however	
R	524.50	528.90			locally a more regular foliation at 35 degrees to core axis	
R	524.50	528.90			overprints the original fabric. Boudins are sandstone, vein	
R	524.50	528.90			quartz up to 10cm but mostly <1cm.	
	528.90	547.40			SHALE: black, highly carbonaceous, slightly calcareous, indistinctly bedded, moderately folded, basal contact: ca 45, hard, moderately broken core, 5% veins of carbonate, 5% veins of pyrrhotite.	UPPER OONAH
R	528.90	547.40			Variable BCA's, variable strain deformation typified by	
R	528.90	547.40			boudinaging of siltstone interbeds, folded.	
					528.90 547.40 20% SILTSTONE: dark grey, inter bedded, boudinaged, medium bedded.	
					531.60 531.70 100% SHALE: black, highly carbonaceous, slightly calcareous, indistinctly bedded, moderately folded, bedding: ca 80, hard, moderately broken core, 5% veins of carbonate, 5% veins of pyrrhotite.	UPPER OONAH
					541.00 541.30 100% SHALE: black, highly carbonaceous, slightly calcareous, indistinctly bedded, moderately folded, bedding: ca 45, hard, moderately broken core, 5% veins of carbonate, 5% veins of pyrrhotite.	UPPER OONAH
					541.20 541.21 100% STRUCTURAL MEASUREMENT: bedding: 015 / 74.	
					541.70 541.71 100% STRUCTURAL MEASUREMENT: bedding: 340 / 70.	
					543.60 543.61 100% STRUCTURAL MEASUREMENT: foliation: 231 / 90, joint: 288 / 41.	
					544.00 544.01 100% STRUCTURAL MEASUREMENT: bedding: 245 / 86.	
	547.40	567.90			SKARN: green-black, magnetite, serpentinized, massive, mottled, banding: ca 45, hard, moderately broken core, 10%	

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY010 (CONTINUED)

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
					patches of carbonate, 3 % patches of talc, 20% disseminations of magnetite, trace patches of pyrrhotite, 60% interstitial serpentine.	
R	547.40	567.90			Magnetite is generally euhedral, varying from disseminated to	
R	547.40	567.90			patchy massive/semi-massive clusters.	
					551.00 553.20 100% SKARN: green-black, magnetite, serpentinized, massive, mottled, banding: ca 45, hard, moderately broken core, 10% patches of carbonate, 3 % patches of talc, 80% massive/ semi - massive magnetite, trace patches of pyrrhotite, 20% interstitial serpentine.	
					567.85 567.86 100% STRUCTURAL MEASUREMENT: microfault: 320 / 22.	
	567.90	575.00			CARBONATE: white, massive, stylolitic, partly recrystallised, fault: ca 20, fault: ca 45, hard, slightly broken core.	
					567.90 575.00 40% SKARN: light green, intermixed, magnetite, serpentinized, basal contact: ca 45, 50% interstitial carbonate, 10% disseminations of magnetite, 40% interstitial serpentine.	
	575.00	597.20			MELANGE: grey-green, massive, mottled, hornfelsic structured, gradational base, hard, slightly broken core.	UPPER OONAH
R	575.00	597.20			Typical Upper Oonah melange, hornfelsed below 578m. Matrix is	
R	575.00	597.20			usually strongly foliated, with varying foliation orientation	
R	575.00	597.20			and intensity. Foliation wraps around boudins. Boudins are	
R	575.00	597.20			sub-angular to sub-rounded, consising mainly of sandstone and	
R	575.00	597.20			vein quartz, up to 5cm, matrix supported.	
					579.60 580.90 100% SANDSTONE: white, medium grained, massive.	
	597.20	602.90			HORNFELS: medium green, laminated, remnant bedding, strongly folded, hard, slightly broken core, 3 % veins of carbonate.	UPPER OONAH
					598.70 598.71 100% STRUCTURAL MEASUREMENT: melange foliation: 050 / 60.	
	602.90	603.70			FAULT: green-brown, fault: ca 60, hard, slightly broken core.	
R	602.90	603.70			Faulted, hornfelsed melange and mudstone.	
					603.00 603.01 100% STRUCTURAL MEASUREMENT: microfault: 060 / 40, melange foliation: 111 / 15.	
					603.30 603.31 100% STRUCTURAL MEASUREMENT: melange foliation: 120 / 10.	
END	603.70	670.80			HORNFELS: grey-brown, moderately altered, massive, medium grained, fine grained, equigranular, foliation: ca 35, hard, slightly broken core, 3 % veins of quartz, 0.3% veins of	UPPER OONAH

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY010 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
					carbonate, 1% patches of chlorite, 1% disseminations) veins of pyrite.	
R	603.70	670.80			Probably a hornfelsed sequence of massive, poorly bedded	
R	603.70	670.80			pelites. Weak foliation sometimes visible.	
END					625.80 627.00 100% HORNFELS: grey-brown, moderately altered, massive, medium grained, remnant bedding, fine bedded, foliation: ca 35, fault: ca 30, hard, slightly broken core, 3 % veins of quartz, 0.3% veins of carbonate, 1% patches of chlorite, 1% disseminations) veins of pyrite.	UPPER OONAH
					626.80 626.81 100% STRUCTURAL MEASUREMENT: fracture: 107 / 65.	
END					631.50 634.10 100% HORNFELS: grey-brown, moderately altered, remnant bedding, fine bedded, fine grained, equigranular, bedding: ca 25, hard, slightly broken core, 3 % veins of quartz, 0.3% veins of carbonate, 1% patches of chlorite, 1% disseminations) veins of pyrite.	UPPER OONAH
					633.70 633.71 100% STRUCTURAL MEASUREMENT: bedding: 043 / 85.	
					643.30 643.31 100% STRUCTURAL MEASUREMENT: bedding: 210 / 84.	