INTERNATIONAL GEOSYSTEMS CORPORATION

R.G.C. Exploration Pty Ltd
SYLVESTER GRID

SURFACE DIAMOND DRILLHOLE : SY009

PROJECT IDEN : ZEEHAN
COLLAR NORTHING: 60963.00
DRILLED BY :D.D.T

START DATE : 14 MAY 91
COLLAR EASTING : 57434.00
TOTAL LENGTH : 597.90

COMPLETION DATE :
COLLAR ELEVATION: 310.00
CORE/HOLE SIZE : HQNQ

LOGGED BY:DAVID JOHN CROSSING
GRID AZIMUTH : 0.00

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		190.00	-75.00	60963.00	57434.00	310.00
001	60.00		191.00	-75.00			
002	90.00		192.00	-74.70			
003	120.00		194.00	-74.70			
004	150.00		193.00	-74.40			
005	180.00		193.50	-74.30			
006	210.00		197.00	-74.00			
007	240.00		193.00	-73.90			
008	270.00		199.00	-73.70			
009	300.00		197.50	-73.50			
010	330.00		197.30	-73.00			
011	360.00		197.30	-73.30			
012	390.00		197.30	-73.00			
013	420.00		197.30	-73.00			
014	450.00		197.30	-73.30			
015	480.00		197.30	-73.50			
016	525.00		197.30	-73.60			
017	570.00		197.30	-73.70			
018	591.00		197.30	-73.70			
019	597.00		197.30	-73.70			
020	597.90		197.30	-73.70			

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SY009 WAS DESIGNED TO TEST THE BASE METAL SKARN INTERSECTED BY SY005 ANOTHER 200m FURTHER EAST. AT AN ESTIMATED DEPTH OF 300 - 350m.THE HOLE TRAVERSED CRIMSON CREEK TURBIDITES TO 160.3m, THEN PASSED THROUGH 6.3m OF MELANGE INTO PSAMMO - PELITES OF THE (UPPER) OONAH FORMATION. AT 376.9m THE HOLE PASSED THROUGH A FAULT BRECCIA AND THEN TRAVERSED INTERMIXED MASSIVE PYRRHOTITE AND MAGNETITE-SERPENTINITE SKARN (378.7 - 395.1m). UP TO 10% COMBINED LEAD-ZINC IS ASSOCIATED WITH THE MASSIVE SULPHIDES. THE HOLE THEN PASSED THROUGH 152m OF MAGNETITE-SERPENTINITE AND CARBONATE, AND FINALLY ENDED IN LOWER OONAH PSAMMO-PELITES AT 597.9m.

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
	0.00	3.00			NO CORE.	
	3.00	4.60	1.1		LITHIC ARENITE: orange brown, highly weathered, massive, clayey, moderately broken, coarse sand.	CAMBRIAN CRIMSON CK FOR
	4.60	6.60	2.0		LITHIC ARENITE: gray green, very slightly weathered, massive, firm, moderately broken, coarse sand.	CAMBRIAN CRIMSON CK FOR
R	4.60	6.60			LABILE (LITHIC) ARENITE, ONLY MINOR QUARTZ, WITH OCCASIONAL	
R	4.60	6.60			INTRACLASTS.	
	6.60	50.50	39.5		MUDSTONE: medium dark grey, slightly carbonaceous, slightly calcareous, massive, medium bedded, microfaults, firm, moderately broken, bedding: 30 degree angle to c.a., 0.3% quartz veins of, 0.1% carbonate veins of, 0.1% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
R	6.60	50.50			SILTSTONES OCCASIONALLY FAINTLY LAMINATED. BCA'S VARIABLE 0 -	
R	6.60	50.50			45 DEGREES.BASE OF WEATHERING AT 30m, BELOW WHICH ALL	
R	6.60	50.50			LITHOLOGIES ARE VARIABLY CALCAREOUS AND QUARTZ- CARBONATE -	
R	6.60	50.50			PYRITE VEINS APPEAR. MICROFAULTS, APPROXIMATELY PERPENDICULAR	
R	6.60	50.50			TO AVERAGE BEDDING ARE COMMON.	
					6.60- 50.50: 30% INTER BEDDED SILTSTONE: light gray, moderately calcareous, laminated, medium bedded.	
					6.60- 50.50: 20% DECREASING DOWNHOLE LITHIC ARENITE: gray green, moderately calcareous, massive, medium bedded.	
			39.5		40.00- 50.00: 100% MUDSTONE: medium dark grey, slightly graphitic, slightly calcareous, lightly sheared, medium bedded, microfaults, firm, moderately broken, bedding: 30 degree angle to c.a., shear: 30 degree angle to c.a., 1% quartz veins of, 1% carbonate veins of, 1% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
	50.50	101.30	9.2		MUDSTONE: medium gray, microfaults, hard, moderately broken, bedding: 35 degree angle to c.a., microfault: 40 degree angle to c.a., gradational base, 0.3% carbonate veins of, .03% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
R	50.50	101.30			MUDSTONE IS DARKISH GREY, GRADING TO LIGHT GREY FAINTLY	
R	50.50	101.30			LAMINATED SILTSTONE WHICH IS RARELY SLIGHTLY CALCAREOUS. LITHIC	
R	50.50	101.30			ARENITE LOCALLY GRADES INTO LITHIC WACKE CONSISTING OF SUB -	
R	50.50	101.30			ANGULAR MUDSTONE INTRACLASTS IN A LITHIC - ARENITE MATRIX.	
					50.50- 101.30: 40% IRREGULARLY INTERBEDDED LITHIC ARENITE: light gray, massive, coarse bedded, coarse sand.	
	101.30	146.00			MUDSTONE: medium dark grey, massive, medium bedded, hard, slightly broken, bedding: 40 degree angle to c.a., microfault: 40 degree angle to c.a., 3 % carbonate veins of, 1% pyrite	CAMBRIAN CRIMSON CK FOR

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					disseminations) veins, 0.1% chlorite disseminations of, .03% epidote selvages of.	
R	101.30	146.00			SILTSTONE GRADES LOCALLY INTO SILTY DOLOMITE LOCALISED	
R	101.30	146.00			SOFT-SEDIMENT DEFORMATION, EVIDENCED BY BOUDINAGED AND BROKEN	
R	101.30	146.00			BEDS, LITHIC - ARENITE DYKES ETC. BCA'S OTHERWISE FAIRLY	
R	101.30	146.00			CONSTANT.WEAKLY GRADED FACE UPHOLE ? (NOT DIAGNOSTIC)	
					101.30- 146.00: 20% INTERGRADATIONAL SILTSTONE: light gray, moderately calcareous, medium bedded.	
	146.00	156.60			MUDSTONE: light gray, medium bedded, fine bedded, microfaults, hard, slightly broken, bedding: 35 degree angle to c.a., microfault: 30 degree angle to c.a..	CAMBRIAN CRIMSON CK FOR
R	146.00	156.60			WELL BEDDED, WITH MICROFAULTS ALMOST PERPENDICULAR TO BEDDING.	
					146.00- 156.60: 20% SILTSTONE: light gray, fine bedded, graded bedding, uphole facing.	
	156.60	160.30			LITHIC ARENITE: gray green, massive, coarse bedded, hard, moderately broken, bedding: 40 degree angle to c.a., basal contact: 20 degree angle to c.a., sheared base, 5% quartz veins of, 3 % carbonate veins of, 0.1% talc veins of, 1% tremolite veins of, 0.1% muscovite disseminations of, 0.1% chlorite disseminations of, .03% epidote selvages of.	CAMBRIAN CRIMSON CK FOR
					156.60- 160.30: 20% INTER BEDDED MUDSTONE: medium dark grey, medium bedded, disturbed bedding, sheared.	
	160.30	166.30			MELANGE: slightly carbonaceous, slightly calcareous, massive, sheared, brecciated, small pebble, 20% coarse, angular, moderate sphericity, shear: 25 degree angle to c.a., 1% pyrite disseminations of.	
R	160.30	166.30			UPPER CONTACT IS DISCRETE, SHEARED WITH FRAGMENTS OF ALTERED	
R	160.30	166.30			LITHIC ARENITE, ALIGNED WITH SHEAR FABRIC (20 - 30 DEGREES TO	
R	160.30	166.30			THE C.A). RAPIDLY GRADES AWAY FROM CONTACT (OVER 2 - 3 cm) INTO	
R	160.30	166.30			MONOTONOUS POLYMICT MELANGE CONSISTING OF SUB-ANGULAR FRAGMENTS	
R	160.30	166.30			OF GREY MUDSTONE, SILTSTONE,OFF - WHITE QUARTZITE, CARBONATE	
R	160.30	166.30			ETC. ALSO ALTERED FRAGMENTS OF LITHIC ARENITE.	
	166.30	175.70			SILTSTONE: gray black, disturbed bedding, hard, moderately broken, shear: 30 degree angle to c.a., 3 % quartz veins of, 1% pyrite disseminations of.	UPPER OONAH
R	166.30	175.70			DISTURBED PARTIALLY SHEARED WITH ORIGINAL SEDIMENTARY TEXTURE	
R	166.30	175.70			60 % DESTROYED.	
	175.70	177.05			MUDSTONE: grey tan, hard, moderately broken, bedding: 30 degree angle to c.a., 0.1% carbonate veins of, 0.1% pyrite	UPPER OONAH

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SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					disseminations of, 0.1% epidote veins of. 175.70- 177.05: 10% IRREGULARLY INTERBEDDED LITHIC ARENITE: grey tan, fine bedded, graded bedding, uphole facing.	
	177.05	177.20			FAULT: fault: 45 degree angle to c.a., 5% quartz infilling shear/fault, 1% carbonate infilling shear/fault, 3 % pyrite infilling shear/fault, 1% galena infilling shear/fault, 1% sphalerite infilling shear/fault.	
	177.20	204.40			SILTSTONE: light gray, medium bedded, coarse bedded, soft sediment slumping, massive, hard, moderately broken, bedding: 45 degree angle to c.a., basal contact: 30 degree angle to c.a., faulted base, 1% quartz veins of, 1% pyrite disseminations = veins.	UPPER OONAH
R	177.20	204.40			LOCALLY LAMINATED, ALSO GRADING LOCALLY INTO SANDY SILTSTONE.	
R	177.20	204.40			OCCASIONALLY INTRACLASTS PRESENT.BCA VARIABLE 20 - 60 DEGREES	
R	177.20	204.40			TO THE C.A. 182.70- 185.70: 100% SILTSTONE: light gray, medium bedded, coarse bedded, soft sediment slumping, massive, hard, moderately broken, bedding: 45 degree angle to c.a., basal contact: 30 degree angle to c.a., faulted base, 1% quartz veins of, 3 % pyrite disseminations = veins, 0.3% galena stockwork, 0.3% sphalerite stockwork.	UPPER OONAH
					194.00- 195.50: 100% SILTSTONE: light gray, graded bedding, coarse bedded, soft sediment slumping, massive, hard, moderately broken, bedding: 30 degree angle to c.a., uphole facing, 30 degree angle to c.a., faulted base, 1% quartz veins of, 1% pyrite disseminations = veins.	UPPER OONAH
	204.40	210.70			FAULT: dark gray, brecciated, hard, moderately broken, basal contact: 40 degree angle to c.a., fault: 30 degree angle to c.a., 5% quartz breccia fillings of, 1% pyrite disseminations of, 1% pyrrhotite disseminations of.	
R	204.40	210.70			FAULTED PARTIALLY BRECCIATED FINE BEDDED SILTSTONE/SANDSTONE	
R	204.40	210.70			AND MELANGE. 207.00- 208.20: 100% SILTSTONE: dark gray, fine bedded, disturbed bedding, bedding: 40 degree angle to c.a..	OONAH FM UNDIFFERENT
	210.70	215.10			SILTSTONE: dark gray, moderately calcareous, fine bedded, laminated, soft sediment slumping, hard, moderately broken, bedding: 40 degree angle to c.a., sharp base, 0.3% pyrite disseminations of. 210.70- 215.10: 40% FINELY INTERBEDDED SANDSTONE: light gray, fine bedded, fine sand.	OONAH FM UNDIFFERENT

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
	215.10	295.50			SANDSTONE: light gray, massive, medium bedded, coarse bedded, hard, moderately broken, coarse sand, bedding: 65 degree angle to c.a., 3 % quartz veins of, 1% pyrite veins of, .03% galena veins of, 1% pyrrhotite veins of, .03% sphalerite veins of.	OONAH FM UNDIFFERENT
R	215.10	295.50			BCA'S VARY 40 - 80 DEGREES, AND AVE 65. GENERALLY HOWEVER,	
R	215.10	295.50			BEDDING IS RELATIVELY UNDISTURBED, BCA'S ARE GREATER THAN 60	
R	215.10	295.50			DEGREES. OCCASIONAL LOCAL SLUMPING OF SILTSTONE. VEINING	
R	215.10	295.50			GENERALLY RESTRICTED TO COMPETENT SANDSTONE. UPHOLE FACING NEAR	
R	215.10	295.50			TOP, DOWNHOLE FACING NEAR BASE, IN GRADED SILTSTONE BEDS.	
					215.10- 295.50: 20% IRREGULARLY INTERBEDDED SILTSTONE: very dark gray, moderately calcareous, fine bedded, laminated, graded bedding, soft sediment slumping, uphole facing.	
					274.00- 276.00: 100% SANDSTONE: light gray, massive, medium bedded, coarse bedded, hard, moderately broken, coarse sand, bedding: 65 degree angle to c.a., 3 % quartz veins of, 3 % pyrite disseminations = veins, 0.3% galena veins of, 1% pyrrhotite veins of, 0.3% sphalerite veins of.	OONAH FM UNDIFFERENT
					288.00- 288.10: 100% SANDSTONE: light gray, graded bedding, medium bedded, coarse bedded, hard, moderately broken, coarse sand, bedding: 65 degree angle to c.a., downhole facing, 3 % quartz veins of, 1% pyrite veins of, .03% galena veins of, 1% pyrrhotite veins of, .03% sphalerite veins of.	OONAH FM UNDIFFERENT
	295.50	335.70			SANDSTONE: light gray, massive, coarse bedded, hard, moderately broken, bedding: 65 degree angle to c.a., sharp base, 3 % quartz veins of, 1% carbonate veins of, 1% pyrite disseminations = veins.	
					295.50- 335.70: 10% NEAR MIDDLE OF OF INTERVAL MUDSTONE: light gray, fine bedded.	
					300.00- 305.00: 100% SANDSTONE: light gray, slightly calcareous, massive, coarse bedded, hard, moderately broken, bedding: 65 degree angle to c.a., sharp base, 3 % quartz veins of, 1% carbonate veins of, 1% pyrite disseminations = veins, 1% pyrrhotite disseminations = veins.	
	335.70	338.60			SILTSTONE: medium dark grey, slightly calcareous, fine bedded, laminated, graded bedding, hard, moderately broken, bedding: 70 degree angle to c.a., downhole facing, 0.3% pyrrhotite laminations.	
					335.70- 338.60: 50% FINELY INTERBEDDED SANDSTONE: slightly calcareous, fine bedded, well bedded.	
	338.60	346.90			SANDSTONE: light gray, fine bedded, medium bedded,	

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					microfaults, hard, moderately broken, bedding: 50 degree angle to c.a., 1% carbonate disseminations = veins.	
R	338.60	346.90			LOCALLY SLIGHTLY CALCAREOUS, AS IN PREVIOUS INTERVALS,	
R	338.60	346.90			PYRRHOTITE OCCURS INSTEAD OF PYRITE WHERE HOST IS CALCAREOUS .	
R	338.60	346.90			BCA'S VARY FROM 0 - 80 DEGREES, BUT MOSTLY 40 - 70 DEGREES.	
R	338.60	346.90			LOCAL SLUMPING.	
					338.60- 346.90: 50% INTER BEDDED MUDSTONE: light gray, fine bedded.	
	346.90	370.50			SANDSTONE: light gray, slightly calcareous, microfaults, lightly folded, coarse sand, 5% carbonate disseminations = veins, 0.1% pyrite veins of, 0.1% pyrrhotite veins of.	
R	346.90	370.50			MODERATELY DISTURBED/FOLDED AND LOCALLY FRACTURED/BRECCIATED,	
R	346.90	370.50			BECOMING MORE INTENSE DOWNWARD.	
					346.90- 370.50: 10% IRREGULARLY INTERBEDDED MUDSTONE: light gray, fine bedded.	
					347.30- 349.30: 100% VEIN: vein: 40 degree angle to c.a., basal contact: 20 degree angle to c.a., sharp base, 20% carbonate veins of, 60% tremolite veins of, 1% sphalerite disseminations of.	
					356.50- 360.40: 100% SANDSTONE: light gray, slightly calcareous, disturbed bedding, lightly folded, coarse sand, fault: 10 degree angle to c.a., 5% carbonate disseminations = veins, 1% pyrite disseminations = veins, 1% pyrrhotite disseminations < veins, 0.3% sphalerite veins of.	
	370.50	376.90			SANDSTONE: light gray, breccia, disturbed bedding, fractured, hard, highly broken, 5% quartz veins of, 3 % carbonate veins of, 3 % pyrite veins of, 0.3% pyrrhotite veins of.	
R	370.50	376.90			MODERATE TO STRONGLY BRECCIATED/FAULTED, INCREASING IN	
R	370.50	376.90			INTENSITY DOWNWARD.	
					370.50- 376.90: 10% IRREGULARLY INTERBEDDED SILTSTONE: slightly altered, fine bedded.	
					372.10- 372.40: 100% FAULT: fault: 30 degree angle to c.a..	
					375.20- 376.90: 10% BRECCIA: highly calcareous.	
	376.90	378.70			FAULT BRECCIA: medium gray, highly calcareous, massive, vuggy, crumbly, highly broken, basal contact: 40 degree angle to c.a.. sharp base, 20% carbonate breccia fillings of, 10% clay breccia fillings of.	
	378.70	384.60			MASSIVE SULPHIDES: medium brown, hard, moderately broken, basal contact: 45 degree angle to c.a.. diffuse base, 0.3% quartz disseminations of, 3 % pyrite patches, 1% galena	

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					patches, 90% pyrrhotite massive/ semi - massive, 1% sphalerite disseminations of.	
R	378.70	384.60			MINOR DISSEMINATED QUARTZ OCCURS NEAR UPPER CONTACT. LOWER	
R	378.70	384.60			CONTACT IS DIFFUSE AND PYRITIC. SULPHIDES APPEAR TO BE	
R	378.70	384.60			SELECTIVELY REPLACING DISSEMINATED MAGNETITE. THIS GRADE UPWARD	
R	378.70	384.60			(OVER 50 cm) INTO MASSIVE MEDIUM GRAINED PYRRHOTITE WHICH HAS	
R	378.70	384.60			BEEN REPLACED BY PYRITE ADJACENT TO SOME THIN FRACTURES.	
	384.60	387.60			SKARN: green-white, magnetic, serpentinized, carbonated, massive, recrystallised, hard, moderately broken, 50% carbonate interstitial, 40% magnetite patches, 0.3% pyrite disseminations of, 10% serpentine patches.	
	387.60	389.70			MASSIVE SULPHIDES: brown black, hard, slightly broken, 5% quartz disseminations of, 5% carbonate disseminations of, 10% magnetite disseminations of, 20% pyrite patches, 20% serpentine patches, 30% pyrrhotite patches.	
R	387.60	389.70			PYRRHOTITE/PYRITE IS REPLACING DISSEMINATIONS AND PATCHES OF	
R	387.60	389.70			MAGNETITE. TOWARD CONTACT,ISOLATED MAGNETITE PATCHES OCCUR	
R	387.60	389.70			WITH PYRITIC RIMS. PYRITE IS PROBABLY A RESULT OF RETROGRADE	
R	387.60	389.70			ALTERATION OF PYRRHOTITE.	
	389.70	392.85			SKARN: white, carbonated, serpentinized, massive, recrystallised, hard, moderately broken, sharp irregular base, 60% carbonate interstitial, 5% magnetite patches, 20% brucite patches, 20% serpentine patches.	
R THN	390.80	390.90			UNIDENTIFIED MINERAL; GOOD CLEAVAGE IN ONE DIRECTION,	
R THN	390.80	390.90			TRANSLUCENT,BLACK, HARDNESS 3, SLIGHTLY MAGNETIC, IN LARGE	
R THN	390.80	390.90			CRYSTAL MASSES, WHITE STREAK.(LATER IDENTIFIED AS BRUCITE)	
	392.85	395.10			MASSIVE SULPHIDES: hard, slightly broken, basal contact: 80 degree angle to c.a., sharp base, 5% quartz disseminations of, 5% galena disseminations of, 80% pyrrhotite massive/ semi - massive, 5% sphalerite disseminations of.	
	395.10	499.30			SKARN: greenish black, carbonated, magnetite, serpentinized, massive, recrystallised, hard, moderately broken, gradational base, 70% carbonate massive/ semi - massive, 10% magnetite patches, 1% tremolite disseminations of, 10% serpentine patches, 5% brucite patches.	
R	395.10	499.30			CARBONATE IS COARSELY CRYSTALLINE DOLOMITE. MAGNETITE OCCURS AS	
R	395.10	499.30			A STOCKWORK OF STRINGERS, VEINS AND IRREGULAR PATCHES.	
R	395.10	499.30			SERPENTINITE OCCURS AS IRREGULAR MASSES OFTEN ASSOCIATED WITH	
R	395.10	499.30			MAGNETITE.	

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SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					395.10- 402.00: 100% SKARN: greenish black, carbonated, magnetite, serpentinized, massive, recrystallised, hard, moderately broken, gradational base, 20% carbonate patches, 20% magnetite patches, 1% tremolite disseminations of, 50% serpentine massive/ semi - massive, 5% brucite patches. 419.50- 423.40: 100% SKARN: greenish black, carbonated, magnetite, serpentinized, massive, recrystallised, hard, moderately broken, gradational base, 70% carbonate massive/ semi - massive, 10% magnetite patches, 1% tremolite disseminations of, 10% serpentine patches, 5% brucite patches, 5% pyrrhotite disseminations of. 451.00- 486.00: 100% SKARN: greenish black, carbonated, magnetite, serpentinized, massive, recrystallised, hard, moderately broken, gradational base, 30% carbonate massive/ semi - massive, 20% magnetite patches, 1% tremolite disseminations of, 40% serpentine massive/ semi - massive, 5% brucite patches. 492.50- 495.50: 100% SKARN: greenish black, carbonated, magnetite, serpentinized, massive, recrystallised, hard, moderately broken, gradational base, 30% carbonate massive/ semi - massive, 20% magnetite patches, 1% tremolite disseminations of, 40% serpentine massive/ semi - massive, 5% brucite patches.	
	499.30	509.30			SKARN: greenish black, serpentinized, magnetite, hard, slightly broken, 10% carbonate patches, 20% magnetite patches, 60% serpentine massive/ semi - massive.	
	509.30	528.40			SKARN: black, serpentinized, magnetite, hard, slightly broken, 30% magnetite patches, 60% serpentine massive/ semi - massive.	
R	517.50	520.80			THE PYRRHOTITE MOSTLY OCCURS AS REPLACIVE RIMS AROUND MAGNETITE	
R	517.50	520.80			AGGREGATES OR COMPLETELY REPLACING MAGNETITE. 517.50- 520.80: 100% SKARN: black, serpentinized, magnetite, hard, slightly broken, 30% magnetite patches, 60% serpentine massive/ semi - massive, 3 % pyrrhotite replacive.	
	528.40	529.30			FAULT: black, slightly graphitic, slickensided, hard, highly broken, fault: 45 degree angle to c.a., 5% magnetite patches, 1% tremolite in fractures, 3 % pyrrhotite patches.	
R	528.40	529.30			MAGNETITE OCCURS AS STREAKY PATCHES ALIGNED WITH SHEAR FABRIC.	
R	528.40	529.30			BUT OVERPRINTED BY THIN WHITE (TREMOLITE ? FILLED) FRACTURES.	
R	528.40	529.30			WHICH ALIGN WITH SHEAR. NUMEROUS GRAPHITIC, SLICKENSIDED	
R	528.40	529.30			FAULT SURFACES THROUGHOUT.	

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
	529.30	535.60			ANY ROCK: exceptionally altered, hard, moderately broken, 20% quartz patches, 20% carbonate patches, 5% epidote patches, 5% muscovite disseminations of.	
R	529.30	535.60			THE ENTIRE INTERVAL MAY BE A BROAD SHEAR LARGELY ANNEALED (AND	
R	529.30	535.60			TEXTURES THUS DESTROYED) BY SUBSEQUENT METASOMATISM. THE	
R	529.30	535.60			PRECURSOR IS PROBABLY CARBONATE OR POSSIBLY CARBONATE RICH	
R	529.30	535.60			MELANGE.	
					529.30- 535.60: 30% INTERMIXED SHEAR (ZONE): sheared, brecciated, shear: 40 degree angle to c.a..	
					529.30- 535.60: 10% INTERMIXED SKARN: massive, slickensided, 20% magnetite patches, 10% pyrite replacive, 60% serpentine massive/ semi - massive.	
	535.60	541.30			SKARN: black, massive, hard, moderately broken, basal contact: 40 degree angle to c.a., diffuse base, 20% magnetite patches, 70% serpentine massive/ semi - massive, 0.3% pyrrhotite disseminations = veins.	
	541.30	542.15			MASSIVE SULPHIDES: medium brown, hard, moderately broken, basal contact: 30 degree angle to c.a., diffuse base, 10% carbonate disseminations of, 10% pyrite patches, 70% pyrrhotite massive/ semi - massive.	
	542.15	546.10			SKARN: greenish black, hard, moderately broken, basal contact: 40 degree angle to c.a., sheared base, 20% magnetite patches, 70% serpentine massive/ semi - massive.	
	546.10	547.00			SHEAR (ZONE): highly silicified, hard, slightly broken, fault: 30 degree angle to c.a., 30% quartz pervasive, 3 % epidote patches, 5% chlorite disseminations of.	
	547.00	567.30			MELANGE: gray black, massive, hard, moderately broken, shear: 30 degree angle to c.a., 3 % pyrite disseminations of, 1% pyrrhotite replacive.	
R	547.00	567.30			ALTERATION DECREASES IN INTENSITY AWAY FROM UPPER CONTACT AND	
R	547.00	567.30			BECOMES PATCHY BELOW 550.5m. FRAGMENTS ARE SUB-ANGULAR TO	
R	547.00	567.30			SUB-ROUNDED/LENTICULAR CONSISTING MAINLY OF SANDSTONE AND	
R	547.00	567.30			QUARTZ IN FINE BLACK MATRIX. FRAGMENTS VARY 0.1mm TO 0.8 m IN	
R	547.00	567.30			SIZE. FABRIC VARIES IN ORIENTATION 0 - 45 DEGREES TO THE C.A,	
R	547.00	567.30			AVE 30. SOME FRAGMENTS (CALCAREOUS?) HAVE BEEN SELECTIVELY	
R	547.00	567.30			ALTERED & PARTIALLY REPLACED BY PYRRHOTITE.	
R	547.00	547.80			SANDSTONE BOUDIN.	
					547.80- 550.50: 100% MELANGE: gray black, moderately altered, massive, hard, moderately broken, shear: 30 degree angle to	

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					c.a., 10% quartz pervasive, 1% pyrite disseminations of, 0.3% galena disseminations of, 0.3% epidote patches, 3 % muscovite disseminations of, 5% chlorite disseminations of, 3 % pyrrhotite disseminations of, 0.3% sphalerite disseminations of.	
	567.30	570.30			SKARN: black, massive, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp base, 10% magnetite patches, 80% serpentine massive/ semi - massive.	
	570.30	581.00			MELANGE: gray green, moderately altered, hard, moderately broken, 5% quartz replacive, .03% epidote patches, 5% chlorite disseminations of.	
R	570.30	581.00			PARTIALLY ALTERED , WITH ALTERATION SELECTIVELY AFFECTING	
R	570.30	581.00			CALCAREOUS FRAGMENTS MOST STRONGLY.MELANGE HAS A HIGH	
R	570.30	581.00			PROPORTION OF CALCAREOUS FRAGMENTS. FABRIC ORIENTATION VARIES 0	
R	570.30	581.00			- 50 DEGREES TO THE C.A. AVE 40. ALTERATION INTENSITY	
R	570.30	581.00			DECREASES DOWNHOLE.	
					573.70- 575.30: 100% CARBONATE: white, basal contact: 40 degree angle to c.a..	
	581.00	581.75			SKARN: green-white, serpentinized, firm, highly broken, shear: 45 degree angle to c.a., sharp irregular base, 1% magnetite disseminations of, 1% pyrite disseminations of, 60% serpentine massive/ semi - massive, 3 % tremolite patches, 20% tourmaline patches, 5% muscovite patches, 3 % pyrrhotite patches.	
R	581.00	581.75			SKARN IS INTERMIXED WITH QUARTZ-CARBONATE-SULPHIDE PATCHES.IT	
R	581.00	581.75			APPEARS TO BE REPLACING A FAULT OR MELANGE, AND A REMNANT	
R	581.00	581.75			SHEAR/BRECCIA FABRIC IS OCCASIONALLY PRESENT.	
	581.75	582.60			FAULT: green-white, silicified, firm, moderately broken, shear: 40 degree angle to c.a., diffuse base, 20% quartz patches, 10% carbonate infilling shear/fault, 30% actinolite disseminations of, 3 % mineral 1 clusters.	
R	581.75	582.60			UNIDENTIFIED MINERAL X1 IS BROWN, TRANSLUCENT, ELONGATE WITH	
R	581.75	582.60			HEXAGONAL CROSS-SECTION, HARDNESS 5, WHITE STREAK. CLUSTERS ARE	
R	581.75	582.60			SURROUNDED BY PINKISH AUREOLE. ?APATITE.	
	582.60	585.70			SANDSTONE: light gray, fine bedded, microfaults, hard, moderately broken, coarse sand.	DONAH FM UNDIFFERENT
					582.60- 585.70: 50% FINELY INTERBEDDED SILTSTONE: black, fine bedded, laminated.	
					583.40- 583.80: 100% FAULT: highly silicified, fault: 40 degree angle to c.a., 60% quartz infilling shear/fault, 10%	

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SYLVESTER GRID
SURFACE DIAMOND DRILLHOLE : SY009 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					carbonate infilling shear/fault, 3 % chlorite disseminations of.	
	585.70	586.00			VEIN: vein: 60 degree angle to c.a., 90% quartz veins of, 1% chlorite disseminations of.	
	586.00	586.15			FAULT: sheared, fault: 50 degree angle to c.a..	
END	586.15	597.90			SANDSTONE: light gray, fine bedded, hard, moderately broken, fine sand, 5% quartz veins of.	OONAH FM UNDIFFERENT
R	586.15	597.90			SILTSONE IS PARTLY PHYLLITIC WITH VERY FINE MINERAL	
R	586.15	597.90			SEGREGATIONS PRODUCING FOLIATIONS RESTRICTED TO SILTSTONE, WITH	
R	586.15	597.90			VARIABLE ORIENTATION AT 10 - 50 DEGREES TO BEDDING, THIS	
R	586.15	597.90			FOLIATION GIVES THE ROCK A PEARLY SHEEN. LOCAL SLUMPED BEDDING.	
					586.15- 597.90: 50% SILTSTONE: very dark gray, fine bedded, laminated, 0.3% pyrite veins of.	
END					586.15- 588.20: 100% SANDSTONE: light gray, slightly altered, slightly silicified, fine bedded, augen structured, hard, moderately broken, fine sand, 10% quartz veins of, 5% muscovite disseminations of, 1% chlorite veins of, 1% pyrrhotite veins of.	OONAH FM UNDIFFERENT
					593.20- 596.30: 90% SANDSTONE: light gray, carbonated, massive, coarse sand.	