INTERNATIONAL GEOSYSTEMS CORPORATION

R.G.C. Exploration Pty Ltd
SYLVESTER GRID

DIAMOND DRILLHOLE : SY004

PROJECT IDEN : ZEEHAN
COLLAR NORTHING: 60854.24
DRILLED BY :O.D.T
START DATE : 14 NOV 90
COLLAR EASTING : 57635.13
TOTAL LENGTH : 343.50
COMPLETION DATE : 29 NOV 90
COLLAR ELEVATION: 304.92
CORE/HOLE SIZE : HQNQ
LOGGED BY:MARK J FLEMMING
GRID AZIMUTH : 0.00

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		340.00	-50.00	60854.24	57635.13	304.92
001	30.00		337.00	-52.50			
002	60.00		341.00	-52.50			
003	90.00		336.00	-51.00			
004	120.00		340.00	-50.00			
005	150.00		337.00	-49.50			
007	210.00		340.00	-49.30			
008	240.00		339.00	-48.75			
009	270.00		340.00	-47.50			
010	300.00		341.00	-47.00			
011	330.00		343.00	-46.00			
012	343.00		344.00	-45.75			
013	343.50		344.00	-45.75			

R HED THIS HOLE INTERSECTED TWO MINERALISED INTERVALS.THE FIRST ONE
R HED FROM 77.1 TO 82.9 CONTAINED SPHALERITE VEINS IN PYRITIC
R HED SILTSTONE.THE SECOND INTERVAL FROM 301.9 TO 304.9 CONTAINED
R HED DISSEMINATED SPHALERITE AND GALENA IN A SEQUENCE OF DOLOMITE
R HED PARTLY REPLACED BY TALC.THERE WAS NO EVIDENCE OF THE MAGNETIC
R HED ANOMALY AT WHICH THIS HOLE WAS TARGETTED.

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
	0.00	24.00			PRECOLLAR.	
	24.00	47.00			MUDSTONE: dark gray, slightly carbonaceous, disrupted bedding, fine bedded, sheared, jointed, hard, bedding: 40 degree angle to c.a., shear: 45 degree angle to c.a., gradational base, trace quartz veins of, 1% pyrite blebs of, 0.1% pyrite disseminations (veins, .03% chlorite veins of.	CAMBRIAN CRIMSON CK FOR
R	24.00	59.90			HQ CORE, THEN NQ TO THE END OF THE HOLE.	
R	24.00	27.60			POSSIBLY A FAULT ZONE RATHER THEN BEING BROKEN AND PUGGY DUE TO LEACHING.	
R	24.00	27.60			24.00- 27.60: 100% MUDSTONE: gray brown, highly limonitic, slightly leached, disrupted bedding, fine bedded, sheared, jointed, puggy zones, exceptionally broken, bedding: 40 degree angle to c.a., shear: 45 degree angle to c.a., gradational	CAMBRIAN CRIMSON CK FOR

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DIAMOND DRILLHOLE : SY004 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					base, trace quartz veins of, 0.1% pyrite blebs of, .03% pyrite disseminations = veins, absent chlorite spots. 24.00- 47.00: 40% INTERMIXED IRREGULARLY INTERBEDDED LITHIC ARENITE: brown gray, massive, fine bedded, coarse sand, intermediately sorted, moderately rounded, moderate sphericity, OPEN STRUCTURE.	
R	27.60	31.60			THE CARBONATE VEINS ARE LEACHED AND ALTERED TO A LIME - GREEN	
R	27.60	31.60			MINERAL.	
					27.60- 37.30: 100% MUDSTONE: dark gray, slightly carbonaceous, disrupted bedding, fine bedded, intensely sheared, jointed, hard, highly broken, bedding: 40 degree angle to c.a., shear: 45 degree angle to c.a., gradational base, trace quartz veins of, 0.3% carbonate veins of, 3 % pyrite blebs of, 1% pyrite disseminations = veins, trace chlorite veins of.	CAMBRIAN CRIMSON CK FOR
					37.30- 47.00: 100% MUDSTONE: dark gray, slightly carbonaceous, disrupted bedding, fine bedded, sheared, jointed, hard, slightly broken, bedding: 40 degree angle to c.a., shear: 45 degree angle to c.a., gradational base, absent quartz spots, 3 % carbonate veins of, 0.1% pyrite blebs of, 0.1% pyrite disseminations (veins, .03% chlorite veins of.	CAMBRIAN CRIMSON CK FOR
	47.00	59.30			LITHIC ARENITE: gray brown, slightly chloritic, calcareous, massive, medium bedded, jointed, sheared, hard, slightly broken, grit, intermediately sorted, anguiar, low sphericity, OPEN STRUCTURE, basal contact: 25 degree angle to c.a., shear: 20 degree angle to c.a., sheared base, 1% carbonate veins of, .03% pyrite disseminations of, pervasive, 0.1% epidote veins of.	CAMBRIAN CRIMSON CK FOR
					47.00- 59.30: 3 % INTERMIXED NEAR TOP OF INTERVAL MUDSTONE: black.	
					53.00- 53.01: 100% LITHIC ARENITE: gray brown, slightly chloritic, calcareous, massive, medium bedded, jointed, sheared, hard, slightly broken, grit, intermediately sorted, angular, low sphericity, OPEN STRUCTURE, basal contact: 25 degree angle to c.a., fault: 20 degree angle to c.a., sheared base, 1% carbonate veins of, .03% pyrite disseminations of, pervasive, 0.1% epidote veins of.	CAMBRIAN CRIMSON CK FOR
	59.30	77.10			SILTSTONE: gray green, slightly chloritic, fine bedded, disrupted bedding, sheared, brecciated, hard, moderately broken, basal contact: 30 degree angle to c.a., shear: 20 degree angle to c.a., sheared base, trace quartz veins of, 1% carbonate veins of, 0.1% pyrite disseminations of, pervasive. 59.30- 66.40: 50% INTERBEDDED LITHIC ARENITE: massive, coarse	CAMBRIAN CRIMSON CK FOR

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DIAMOND DRILLHOLE : SYD04 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					sand, well sorted, angular, moderate sphericity, OPEN STRUCTURE.	
R	71.10	77.10			CORRODED , LIMONITIC IRREGULAR QUARTZ PATCHES (VEINS?) OCCUR	
R	71.10	77.10			THAT ARE RIMMED BY SILICEOUS ALTERATION. CHLORITE (?) IS	
R	71.10	77.10			ASSOCIATED.THE CARBONATE VEINS ARE ALMOST TOTALLY LEACHED.	
	71.10	77.10			71.10- 77.10: 100% SILTSTONE: gray green, silicified, fine bedded, disrupted bedding, moderately sheared, brecciated, hard, moderately broken, basal contact: 30 degree angle to c.a., shear: 20 degree angle to c.a., sheared base, 0.3% quartz veins of, 1% carbonate veins of, 0.3% pyrite blebs of, pervasive.	CAMBRIAN CRIMSON CK FOR
	77.10	82.90			SILTSTONE: purple gray, pyritic, hard, bedding: 70 degree angle to c.a., 10% pyrite replacive, 0.3% galena veins of, 3 % pyrite in fractures, 1% sphalerite veins of.	CAMBRIAN CRIMSON CK FOR
R	77.10	82.90			MINERALIZED INTERVAL WITH PYRITE - SPHALERITE-GALENA VEINS AND	
R	77.10	82.90			PATCHY REPLACEMENT OF BEDDING IN SILTSTONE BY PYRITE.	
	82.90	156.70			MUDSTONE: greenish gray, massive, fine bedded, hard. 90.70- 92.30: 100% MUDSTONE: hard, moderately broken, 20% quartz veins of, 0.3% pyrite blebs of, .03% galena blebs of, 0.3% epidote coatings of. 125.40- 135.30: 100% MUDSTONE: brecciated, veined, 20% quartz veins of, 5% carbonate veins of, 0.3% pyrite blebs of, .03% galena blebs of, 1% epidote coatings of.	CAMBRIAN CRIMSON CK FOR
	156.70	177.30			ARKOSIC LITHIC ARENITE: gray green, massive, hard, coarse sand, fairly well sorted, bedding: 40 degree angle to c.a., 0.3% pyrite blebs of. 156.70- 177.30: 10% INTER BEDDED MUDSTONE: very dark gray. 166.00- 166.15: 100% VEIN: brecciated, vein: 75 degree angle to c.a., 20% quartz veins of, 30% carbonate veins of, 3 % galena blebs of, 3 % sphalerite blebs of.	CAMBRIAN CRIMSON CK FOR
	177.30	179.00			MUDSTONE: darkest brown, bedding: 35 degree angle to c.a., 1% pyrite blebs of, 3 % pyrrhotite blebs of.	CAMBRIAN CRIMSON CK FOR
R	177.30	179.00			BLEBS OF PYRRHOTITE COMMONLY ENLOGATED ALONG BEDDING, SOME	
R	177.30	179.00			REPLACED BY PYRITE.	
	179.00	185.20			ARKOSIC LITHIC ARENITE: gray green, massive, hard, coarse sand, fairly poorly sorted, 0.3% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
	185.20	202.00			SILTY MUDSTONE: gray green, fine bedded, soft sediment slumping, bedding: 40 degree angle to c.a., uphole facing.	CAMBRIAN CRIMSON CK FOR

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DIAMOND DRILLHOLE : SY004 (CONTINUED)

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					185.20- 202.00: 40% MUDSTONE: very dark gray, disrupted bedding, reworked, 1% pyrite veins of, 0.3% pyrite blebs of. 185.20- 202.00: 10% LITHIC ARENITE: gray green.	
	202.00	211.40			MUDSTONE: gray green, fractured, stockworked, hard, moderately broken, 10% carbonate veins of.	CAMBRIAN CRIMSON CK FOR
	211.40	251.50			LITHIC SILTSTONE: medium gray, soft sediment slumping, coarse bedded, hard, 3 % carbonate veins of, .03% galena blebs of, .03% sphalerite blebs of.	CAMBRIAN CRIMSON CK FOR
R	211.40	251.50			SEQUENCE OF INTERBEDDED SILTSTONE BLACK MUDSTONE AND LITHIC	
R	211.40	251.50			ARENITE.THE MUDSTONE SHOWS ABUNDANT EVIDENCE OF REWORKING,	
R	211.40	251.50			WITH CLASTS UP TO 11cm INCLUDED IN THE SILTSTONE.PYRITE	
R	211.40	251.50			HAS PRECIPITATED PREFERENTIALLY IN THE MUDSTONE.	
					211.40- 251.50: 30% INTER BEDDED MUDSTONE: very dark gray, disrupted bedding, reworked, bedding: 40 degree angle to c.a., uphole facing, 3 % pyrite blebs of. 211.40- 251.50: 10% ARKOSIC LITHIC ARENITE: gray green.	
	251.50	255.40			ARKOSIC LITHIC ARENITE: 3 % carbonate veins of, 0.1% pyrite blebs of, .03% galena blebs of, .03% pyrrhotite blebs of.	
	255.40	262.60			SILTSTONE: pale grey, fine bedded, graded bedding, bedding: 50 degree angle to c.a., uphole facing.	CAMBRIAN CRIMSON CK FOR
	262.60	293.30			SILTY MUDSTONE: medium light grey, fine bedded, soft sediment slumping, disrupted bedding, bedding: 40 degree angle to c.a.. 262.60- 293.30: 20% MUDSTONE: very dark gray, disrupted bedding, reworked. 271.20- 288.20: 100% MUDSTONE: 1% quartz veins of, 3 % carbonate veins of, 0.3% pyrite blebs of, trace galena blebs of, 0.1% chlorite veins of, 0.3% epidote veins of, 0.1% sphalerite veins of. 278.20- 279.30: 80% LITHIC ARENITE: dark gray.	CAMBRIAN CRIMSON CK FOR
R	289.50	293.30			ALTHOUGH NOT OBVIOUSLY FAULTED,THIS IS A STRUCTURALLY DISTURBED	
R	289.50	293.30			INTERVAL.	
					289.50- 293.30: 100% MUDSTONE: darkest brown, slightly graphitic, disrupted bedding, fragmental, 1% carbonate veins of, 1% pyrite disseminations of, .03% galena blebs of, 1% chlorite veins of, 0.1% pyrrhotite disseminations of, 0.1% sphalerite blebs of.	
	293.30	307.70			DOLOMITE: pale grey, talcose, stylolitic, fractured, stockworked, 5% carbonate veins of, 1% talc alteration haloes	CAMBRIAN CRIMSON CK FOR

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DIAMOND DRILLHOLE : SY004 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					of.	
R	293.30	301.90			THE DOLOMITE IS EXTENSIVELY FRACTURED, WITH COARSE GRAINED	
R	293.30	301.90			WHITE CARBONATE FILLING THE FRACTURES AND MINOR TALC FORMING	
R	293.30	301.90			ADJACENT TO THEM.	
R	301.90	304.90			SILTY DOLOMITE PARTLY REPLACED BY TALC SPHALERITE AND GALENA. 301.90- 304.90: 100% SILTY DOLOMITE: light green, moderately talcose, remnant bedding, stockworked, bedding: 65 degree angle to c.a., 30% talc pervasive, 0.3% galena disseminations of, 1% sphalerite disseminations of. 305.40- 306.20: 100% MUDSTONE: dark red.	
	307.70	312.00			SILTSTONE: dark gray, fine bedded.	CAMBRIAN CRIMSON CK FOR
	312.00	343.50			MUDSTONE: dark red, disrupted bedding, 3 % epidote alteration haloes of. 331.70- 331.80: 100% VEIN: 30% quartz veins of, 10% magnetite euhedral crystals of, 50% chlorite veins of, 5% sphalerite veins of.	CAMBRIAN CRIMSON CK FOR