PLATA PROJECT

PROPERTY: Plata

HOLE: DDH-PL-08-20

Easting	Northing	Elev. (m)	Depth (m)
646982	7054593	1555	111.86

Contractor: Superior Diamond Drilling Ltd.
Drill: Multipower B15

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	0	-80					

Core size: NQ2
Casing depth: (m) in/out out

Drilling dates: July 15th to July 18th 2008

Logged by: M.Turner

Target: P3 Vein

SUMMARY							
From (m)	To (m)	Interval	Unit	Comments			
0	9.14	9.14	OB	Overburden			
9.14	96.77	87.63	ARG	Maroon and grey Hyland Group argillite			
96.77	97.07	0.3	QV	30 cm wide Quartz- Cb vein hosting semi-massive mineralization			
97.07	99.36	2.29	ARG	Poorly recovered core with minor Qz veining			
99.36	100.22	0.86	QV	Mineralized quartz vein			
100.22	111.86	11.64	SHL	Black Earn Group shaley argillite with strong graphitic alteration			

SAMPLES				
Numbers:	G089041-G089063			
	G089399-G089400			
Total:	25			
Date sent:	August 2nd, 2008			

COMMENTS				

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Struct.		LITHOLOGY								ALT.			MINERALS				SAMPLES								Blocks			GEOTECHNICAL						JOINTS				
																												REC		RQD									
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:								From (m)	To (m)	Interval (m)	Sample	Ag (ppm)	Au (ppm)	Pb (ppm)	Zn (ppm)	From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
		0	9.14	9.14	OVB				Material washed away from reaming casing.																												
		9.41	9.78	0.37	QTE			GY	grey quartzite hosting high angle TCA quartz veinlets & stockworks. Lower contact @ 70 degrees TCA with banded argillite				Qz												9.14	11.58	2.44	2.03	83.2	0.51	20.9	SW	S	64	40	3	2	Fe
		9.78	46.8	37	ARG			GN	Green slatey argillite hosting multicolour banding and locally quartz flooded zones. Represents the Hyland Group sediments & hangingwall of target thrust. Rusty staining along fracture surfaces pervasive through upper ~ 20m. Corroded pits / speckles present localy. Quartz sweats exist locally					QZ											11.58	14.63	3.05	2.61	85.6	0.68	22.3	SW	MS	13	60	2	2	Fe
									@13.15 m 2 narrow quartz veins (2 cm wide) hosting limonite alteration minerals / pitting. Foliation at 52 degrees TCA	Li			Qz												14.63	17.68	3.05	0.69	22.6	0.00	0	SW	MS	70	50	3	2	Fe
									@17.68 – 18.07 m 0.39 m of Quartz flooding of host argillite. Trace of pyrite and galena present. Pervasive limonitic pits throughout.	Li			Qz		Py	Gn	17.68	20.97	3.29	G089041	<1	<0.01	90	200	17.68	20.73	3.05	1.43	46.9	0.20	6.56	SW	MS	70	60	3	3	Fe
FN	40								@20.68 – 20.97 m 0.29 m of quartz flooding of host argillite. Trace of pyrite and galena present. Pervasive limonitic pits throughout. Orientation of veining/flooding sub-parrallel tp foliation at 30 degrees TCA. Foliation at 40 degrees TCA				Qz		Py	Gn	BLANK			G089042	<1	<0.01	<20	<20	20.73	23.77	3.04	2.98	98	0.95	31.3	SW	S	12	45	3	2	Fe
									@23.28 m 1 cm wide quartz-carb vein bearing pyrite at 30 degrees TCA				Qz	Py											23.77	26.82	3.05	2.00	65.6	0.21	6.89	SW	S	24	50	2	2	Fe
									@23.87 m 3 cm wide quartz vein hosting deep corroded pits.				Qz				23.77	26.82	3.05	G089043	<1	<0.01	20	110	26.82	29.87	3.05	2.45	80.3	0.30	9.84	SW	S	30	40	3	2	Fe
									@26.87 m 3 cm wide quartz-carb vein				Qz				26.82	29.87	3.05	G089044	1	<0.01	20	110	29.87	32.92	3.05	2.90	95.1	1.03	33.8	SW	MS	7	40	2	1	Fe
									@28.56 m 2-3 cm wide quartz-carb with deep red limonite alteration. Quartz is very course grained	Li			Qz												32.92	35.97	3.05	2.94	96.4	1.17	38.4	SW	S	6	50	2	1	Fe
									@28.70- 40.00 m very competent green argillite				ARG												35.97	39.01	3.04	3.05	100	2.70	88.8	SW	MS	5	55	2	1	Fe
		40	54.9	14.9	ARG			GN	Green argillite hosting quartz-carb veining and flooding of widths between 1 cm and 14 cm. Majority of veins contain pyrite disseminations (approximatly 20%) with trace galena and arsenopyrite				AR	QZ	Py	Gn									39.01	42.06	3.05	3.00	98.4	1.68	55.1	SW	S	7	45	3	2	Fe
									@40.00 m Quartz vein approximately 15 cm wide containing abundant pyrite with trace of galena and arsenopyrite. Course grained carbonate at base of vein				Qz	Py	Gn	As	40.00	41.50	1.50	G089045	4	0.02	430	280	42.06	45.11	3.05	3.05	100	1.80	59	FR	S	10	40	2	1	Cy
									@40.54-40.67 m quartz vein hosting trace of pyrite				Qz	Py			41.50	43.00	1.50	G089046	1	<0.01	30	100	45.11	46.33	1.22	0.71	58.2	0.23	18.9	FR	S	26	40	3	2	Cy
																	43.00	44.50	1.50	G089047	2	<0.01	30	60	46.33	48.33	2.00	1.45	72.5	0.57	28.5	FR	MS	19	60	3	2	Cy
									@45.11-45.27 m quartz carb vein. No sulphides present.				Qz				44.50	46.00	1.50	G089048	1	<0.01	30	60	48.33	51.21	2.88	1.65	57.3	0.79	27.4	FR	S	30	60	2	1	Cy
FN	35								@46.02 m Foliation at 35 degrees TCA				Qz	Py			46.00	47.50	1.50	G089049	2	<0.01	60	90	51.21	54.25	3.04	1.04	34.2	0.11	3.62	FR	MS	21	40	3	2	Cy

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Struct.		LITHOLOGY								ALT.			MINERALS				SAMPLES								Blocks			GEOTECHNICAL						JOINTS				
																												REC		RQD									
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:								From (m)	To (m)	Interval (m)	Sample	Ag (ppm)	Au (ppm)	Pb (ppm)	Zn (ppm)	From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
																	47.50	49.00	1.50	G089050	1	<0.01	60	60	54.25	57.30	3.05	2.40	78.7	0.31	10.2	FR	MS	28	55	5	3	Cy
									@50.51-50.71 m Quartz vein hosting trace Pyrite								49.00	51.50	2.50	G089051	1	0.01	130	100	57.30	60.35	3.05	2.85	93.4	1.02	33.4	FR	MS	14	40	3	2	Cy
		54.9	96.8	41.9					Very competent hangingwall sediments. Darker banding of sediments between 77.55 – 83.09m. Banding is gradational. Foliation at 25 degrees TCA																60.35	63.40	3.05	2.17	71.1	1.40	45.9	FR	MS	17	40	3	2	Cy
																									63.40	66.45	3.05	2.77	90.8	1.69	55.4	FR	MS	9	50	1	1	Cy
																									66.45	69.49	3.04	2.35	77.3	1.10	36.2	FR	MS	13	55	1	1	Cy
									@68.59- 68.78 m quartz- carb flooding at 11 degrees TCA				Qz												69.49	72.54	3.05	3.05	100	2.05	67.2	FR	MS	8	45	2	1	Cy
									@73.74 m 1 cm wide quartz vein at 18 degrees TCA				Qz												72.54	75.59	3.05	3.06	100	1.27	41.6	FR	MS	9	65	2	1	Cy
									@76.15 m 5 cm Quartz-carn vein oriented 11 degrees TCA				Qz												75.59	78.64	3.05	3.05	100	1.62	53.1	FR	MS	5	40	2	1	Cy
																									78.64	81.69	3.05	2.98	97.7	2.40	78.7	FR	MS	3	35	3	1	Cy
																									81.69	84.73	3.04	3.00	98.7	1.87	61.5	FR	S	7	40	2	1	Cy
FN	40								@85.20 m Narrow quartz veining along Foliation at 40 degrees TCA				Qz												84.73	86.56	1.83	1.66	90.7	0.63	34.4	FR	MS	12	50	2	1	Cy
																									86.56	89.00	2.44	2.01	82.4	1.20	49.2	FR	MS	9	50	2	1	Cy
FN	35								@88.90 m Foliation at 35 degrees TCA								91.77	93.77	2.00	G089052	2	<0.01	<20	80	89.00	90.83	1.83	1.67	91.3	0.36	19.7	FR	MS	14	60	2	1	Cy
																									90.83	91.74	0.91	0.89	97.8	0.12	13.2	FR	MS	14	50	2	1	Cy
																									91.74	93.57	1.83	1.44	78.7	0.27	14.8	FR	MS	17	50	2	1	Cy
		93.4	96.8	3.38					Increase in fractures and rubble core closer to the thrust fault.								93.77	95.77	2.00	G089053	39	0.11	1900	330	93.57	96.62	3.05	2.60	85.2	0.14	4.59	FR	MS	21	40	3	1	Cy
																	95.77	96.77	1.00	G089054	3	0.02	150	210														
																	BLANK			G089055	1	<0.01	20	20														
		96.8	97.1	0.3					30 cm wide quartz- carb vein hosting semi massive pyrite, arsenopyrite, galena with blebby chalcopyrite and tetrahedrite. Bonds and brecciated fragments of green argillite in the hangingwall are present within the zone. August density of this zone is 4.2 (archimedes principle)				Cp	Py	As	Gn	96.77	97.07	0.30	G089399	282	2.85	38200	19600	96.62	99.36	2.74	1.01	36.9	0.00	0	FR	MS	29	70	3	1	Cy
		97.1	99.4	2.29					2.29 m of very poorly recovered core. Recovered core contains 30% green argillite (24 cm) and a 2 cm wide quartz vein. This material was probably at least 90% recovered the remaining 0.28m of material is a highly broken quartz vein hosting minor fragments of argillite. Only minor Pyrite sulphides are present				Qz	Py			97.07	99.36	2.29	G089056	14	0.26	450	2540														

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LITHOLOGY										ALT.			MINERALS				SAMPLES								Blocks			GEOTECHNICAL						JOINTS					
Struct.																												REC		RQD									
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:								From (m)	To (m)	Interval (m)	Sample	Ag (ppm)	Au (ppm)	Pb (ppm)	Zn (ppm)	From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling		
		99.4	112	12.5					Quartz-carb vein hosting semi massive (up to 8 cm wide) zones of pyrite (40%) arsenopyrite (30%) galena (25%) and 5% combination of sphalerite chalcopyrite and tetrahedrite. Mineralization occurs as bands, disseminations and blebs. Extreme pitting and rubble core between 99.36-99.67m. The remaining 55cm of the zone is extremely competent with quartz and carb (70%)				Py	As	Gn	Sp																												
									@99.36-99.67 m Very well mineralized zone containing 30% galena 50% pyrite 15% arsenopyrite 5% sphalerite. Zone is very pitted and rubbly, possibly due to the high amount of sulphides. One piece was measured to be 3.8 specific gravity. This should be higher due to the amount of galena. There must be significant pore space.				Gn	Py	As	Sp	99.36	100.22	0.86	G089400	797	1.43	119500	31800	99.36	99.67	0.31	0.24	77.4	0.00	0	FR	MS	10	70	3	2	Cy		
									@99.67-100.22 m Quartz (40%) Carb (15%) vein hosting mineralization present as foliaform bands, disseminated crystals and blebs. Graphitic alteration. Footwall banding also present.																		99.67	102.72	3.05	2.64	86.6	2.10	68.9	FR	MS	5	70	3	2	Qz		
FN	30-4	100	112	11.6				BK	Black shaley mudstone of the Earn Group. Quartz sweats and Pyrite blebs localy. Foliation at 30-45 degrees TCA				Py																													
									@100.22-100.71 m 0.40 m of strongly sheared and intensely silicified footwall mudstone. Graphite alteration pervasive in mudstone layers. Silicified fragments contain stockworks of quartz stringers. Strong deformation below footwall contact of fault.								100.22	100.71	0.49	G089057	11	0.05	580	2430																	
																	LG STD			G089058	>200	0.23	9040	12350															
																	100.71	102.71	2.00	G089059	6	0.04	70	290	102.72	103.33	0.61	0.53	86.9	0.48	78.7	FR	MS	4	60	2	1	Qz		
									@105.82-106.17 m undulating quartz vein 11 degrees TCA. No mineralization present. Extreme banding of pyritic rich sediments at the top of the vein.				Py				105.61	106.24	0.63	G089060	2	<0.01	30	190	103.33	106.07	2.74	2.57	93.8	2.33	85	FR	MS	2	60	3	2	Qz		
									@109.72-110.22m Undulating quartz vein no mineralization								109.55	110.23	0.68	G089061	2	0.01	30	170	106.07	108.81	2.74	3.07	2.74	2.59	94.5	FR	MS	4	60	2	2	Qz		
									@111.86m minor quartz vein at end of hole								110.23	111.86	1.63	G089062	2	0.02	40	280	108.81	111.86	3.05	2.74	89.8	2.40	78.7	FR	MS	6	70	2	2	Qz		
									end of hole								110.23	111.86	1.63	G089063	2	0.02	30	330															