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1988 SUMMARY REPORT OF EXPLORATION
on the
LOGAN #1-200 CLAIM GROUP
Watson Lake Mining District, Y.T.
Little Moose River Area, Yukon Territory
Lat: 60°30'N; Long: 130°27'W
NTS: 105/B-7,8,9,10
February, 1989

VOLUME II: Appendices D,E - Summary Logs

1988 SUMMARY REPORT OF EXPLORATION ON THE LOGAN 1-200 CLAIM GROUP CONSISTS OF:

VOLUME I	Text and Appendices "A", "B" and "C"
VOLUME II	Appendix "D": Summary DDH Logs #86-1 to 88-103 Appendix "E": Summary Trench Logs #801 to 815
VOLUME III	Appendix "F": Drill Logs #L-88-60 to #L-88-103
VOLUME IV	Plates: # 1 to #30
VOLUME V	Plates: #31 to #50
VOLUME VI	Plates: #51 to #67

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S U M M A R Y R E P O R T O F E X P L O R A T I O N
O N T H E
L O G A N # 1 - 2 0 0 C L A I M G R O U P

Watson Lake Mining District,
Little Moose River Area, Yukon Territory
Latitude 60°30'N; Longitude 130°27'W
NTS: 105/B-7,8,9,10

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

and

TOTAL ENERGOLD CORPORATION
Vancouver, British Columbia

By

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FEBRUARY, 1989

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KEY TO LOGAN PROPERTY 1988 SUMMARY TRENCH

AND

DIAMOND DRILL HOLE LOGS

GEOLOGY ABBREVIATIONS

NR	No core recovered
OB	Overburden
GOSSN	Gossan
QV	Quartz vein
AV	Ankerite vein
MQV	Mineralized quartz vein
MAV	Mineralized ankerite vein
MS	Massive sulphide vein
OXBX	Oxidized breccia
QBX	Quartz cemented breccia
ABX	Ankerite cemented breccia
MBX	Mineralized breccia
MQBX	Mineralized quartz cemented breccia
MABX	Mineralized ankerite cemented breccia
DIBX	Diatreme (?) breccia
FDBX	Andesite dyke breccia
FQPBX	Feldspar quartz porphyry breccia
GM	Gouge and mud
LON	Mylonite
SCH	Schist
METS	Undivided metasedimentary rocks
AFD	Altered andesite dyke
FD	Andesite dyke
FQP	Feldspar quartz monzonite/latite porphyry
SAGD	Strongly altered granodiorite
AGD	Altered granodiorite
GD	Granodiorite

PROPERTY LOGAN D.D.H. 86 -1- 1 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -50 ° AZIMUTH (I): 59 ° DEPTH: 76.50m

CLAIM: LOGAN 3 NORTHING: 40 92 DATE STARTED: JULY 5D 1986

SECTION: 275 E EASTING: 273 94 DATE FINISHED: JULY 7N 1986

CORE SIZE: NO ELEVATION: 1355.6 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 83 % CORE STORED AT: LOGAN PROP LOGGED BY: PAUL DONKERSLOOT

COMMENTS: Hole was drilled beneath a hand trench on line 2+75E to test Main Vein mineralization. The Main Vein was intersected from 12.04 to 14.50m.
The hole was abandoned prior to reaching the stockwork mineralization.

UTM COORDINATES: NORTHING 6708327.4 EASTING 419733.5

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-50.00°	0.59°	0.00	2.44	2.44		OR										
45.72	-52.00°	2.59°	2.44	12.00	9.56		AGD										
			12.00	14.50	2.50		MQV										
			14.50	45.95	31.45		AGD										
			45.95	76.50	30.55		SAGD										
ASSAYS AND ANALYSES																	
			2.30	3.30	1.00		AGD	19405			0.24	0.02	54	388	62	11	
			3.30	4.30	1.00		AGD	19406			0.34	0.02	98	217	106	37	
			4.30	4.45	0.15		MQV	16201			3.20	2.02	0.04%	9000	81	1.30%	0.002
			4.45	5.55	1.10		AGD	19407			0.33	0.02	55	525	34	12	
			5.55	6.75	1.20		AGD	19408			0.20	0.02	22	840	26	11	
			6.75	7.00	0.25		MQV	16202			10.55	0.69	0.02%	3900	34	0.05%	0.002
			7.00	8.00	1.00		AGD	19409			0.44	0.02	230	535	12	4	
			8.00	10.00	2.00		AGD	19410			0.29	< 0.02	28	490	60	27	
			10.00	11.00	1.00		AGD	19411			0.36	0.03	66	143	27	3	
			11.00	11.75	0.75		AGD	19412			0.47	< 0.02	175	72	11	3	
			11.75	12.00	0.25		AGD	16203			2.50	0.05	0.04%	300	76	0.16%	0.002
			12.00	12.50	0.50		MQV	16204			5.35	0.52	0.08%	2100	150	2.26%	0.002
			12.50	13.00	0.50		MQV	16205			7.00	0.99	0.08%	2300	87	3.02%	0.002
			13.00	13.50	0.50		MQV	16206			6.25	0.36	0.02%	1650	44	1.38%	0.002
			13.50	14.00	0.50		MQV	16207			7.60	1.22	0.04%	3400	260	1.82%	0.002
			14.00	14.50	0.50		MQV	16208			1.94	0.32	0.02%	580	135	0.89%	0.002
			14.50	15.50	1.00		AGD	19413			0.43	< 0.02	52	15	66	11	
			15.50	16.50	1.00		AGD	19414			0.24	< 0.02	66	11	44	3	
			33.00	34.00	1.00		AGD	19415			0.23	0.03	200	12	50	2	
			34.00	35.00	1.00		AGD	19416			0.66	0.03	170	49	57	650	
			35.00	36.00	1.00		AGD	19417			0.21	0.02	73	8	62	4	
CONTINUED																	

PROPERTY LOGAN D.D.H. L 86 - 1 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA

GEOLOGY AND ASSAY RECORD

VALUES BELOW IN PPM UNLESS NOTED

Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			60.00	61.50	1.50		SAGD	19418			0.12	0.02	25	< 1	28	6	
			61.50	63.00	1.50		SAGD	19419			0.33	0.02	76	9	176	> 1000	
			63.00	64.50	1.50		SAGD	19420			0.16	< 0.02	53	21	33	29	
							AVERAGES										
			12.50	14.00	1.50						6.95	0.86					
			11.75	14.50	2.75						5.34	0.62					
			11.00	15.50	4.50						3.44	0.39					

PROPERTY: LOGAN D.D.H. 86 -1- 2 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -50 ° AZIMUTH (I): 59 ° DEPTH: 154.54m

CLAIM: LOGAN 3 NORTHING: 151.95 DATE STARTED: JULY 9 (D) 1986

SECTION: 195 E EASTING: 193.08 DATE FINISHED: JULY 10 (N) 1986

CORE SIZE: NQ ELEVATION: 1374.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 92 % CORE STORED AT: LOGAN PROP. LOGGED BY: FALL DONKERSLOOT

COMMENTS: The hole was drilled to test stockwork mineralization that lie coincident with strong geochemical and geophysical anomalies
Approximately 140m of stockwork mineralization was intersected. The hole was terminated after 15m of barren ground was drilled.
UTM COORDINATES: NORTHING 6708357.0 EASTING 419615.4
NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-50.00	0.59	0.00	2.44	2.44		OB										
152.70	-54.00	6.59	2.44	25.00	22.56		AGD										
			25.00	26.00	1.00		MQV										
			26.00	39.40	13.40		AGD										
			39.40	40.45	1.05		MQV										
			40.45	62.48	22.03		AGD										
			62.48	71.15	8.67		MQV										
			71.15	86.40	15.25		AGD										
			86.40	87.70	1.30		MQV										
			87.70	113.55	25.85		AGD										
			113.55	117.90	4.35		MQV										
			117.90	134.60	16.70		AGD										
			134.60	136.55	1.95		MQV										
			136.55	139.20	2.65		AGD										
			139.20	139.70	0.50		MQV										
			139.70	154.54	14.84		AGD										
ASSAYS AND ANALYSES																	
			2.44	5.44	3.00		AGD	16209			0.02	0.21	165	319	79	130	
			5.44	8.44	3.00		AGD	16210			0.02	0.21	185	327	95	350	
			8.44	11.44	3.00		AGD	16211			0.47	0.06	125	945	53	55	
			11.44	14.44	3.00		AGD	16212			0.08	0.15	170	396	188	190	
			14.44	16.60	2.16		AGD	16213			0.47	0.09	135	1335	68	70	
			16.60	17.05	0.45		MQV	16214			2.10	1.84	0.02%	6990	200	1.20%	< 0.002
			17.05	20.05	3.00		AGD	16215			1.58	0.36	215	1105	369	180	
			20.05	23.05	3.00		AGD	16216			0.90	0.15	275	1430	83	100	
			23.05	24.05	1.00		AGD	16217			1.25	0.28	0.02%	3000	248	0.01%	< 0.002
			24.05	24.65	0.60		MQV	16218			8.90	3.06	0.03%	8890	288	0.01%	< 0.002
CONTINUED																	

PROPERTY LOGAN D.D.H. L 86 - 2 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			24.65	25.00	0.35		AGD	16219			0.76	0.22	120	2980	195	150	
			25.00	26.00	1.00		MQV	16220			22.90	5.18	0.07%	>20000	150	< 0.01%	< 0.002
			26.00	29.57	3.57		AGD	16221			1.64	0.23	390	3090	373	35	
			29.57	30.63	1.06		AGD	16222			5.70	0.56	270	7260	91	40	< 0.002
			30.63	34.25	3.62		AGD	16223			1.06	0.09	300	1135	126	15	
			34.25	34.90	0.65		MQV	16224			4.90	0.43	330	1965	153	> 1000	< 0.002
			34.90	37.90	3.00		AGD	16225			1.23	0.11	215	410	55	47	
			37.90	39.40	1.50		AGD	16226			0.74	0.03	195	59	11	18	
			39.40	40.45	1.05		MQV	16227			15.45	3.99	0.03%	580	995	0.01%	< 0.002
			40.45	43.45	3.00		AGD	16228			0.88	0.06	185	53	34	20	
			43.45	46.45	3.00		AGD	16229			0.78	0.16	200	218	188	60	
			46.45	48.45	2.00		AGD	16230			0.95	0.09	205	121	52	10	
			48.45	49.45	1.00		AGD	19421			0.18	0.12	125	14	137	4	
			49.45	50.45	1.00		AGD	19422			0.24	< 0.02	105	12	38	6	
			50.45	51.32	0.87		AGD	19423			0.86	0.06	190	82	30	210	
			51.32	53.32	2.00		AGD	16231			3.30	0.95	250	2500	259	700	< 0.002
			53.32	56.32	3.00		AGD	16232			0.96	0.06	440	146	161	250	
			56.32	57.32	1.00		AGD	19424			0.40	0.02	180	43	18	4	
			57.32	59.32	2.00		AGD	19425			0.24	< 0.02	100	8	32	2	
			59.32	61.32	2.00		AGD	19426			0.52	0.08	125	55	74	6	
			61.32	62.48	1.16		AGD	19427			0.35	0.06	135	18	20	3	
			62.48	63.48	1.00		MBX	16233			1.43	0.24	0.02%	117	61	0.06%	< 0.002
			63.48	64.48	1.00		MBX	16234			0.53	0.27	0.02%	45	216	0.05%	< 0.002
			64.48	65.98	1.50		MBX	16235			0.31	0.04	< 0.01%	23	21	0.02%	< 0.002
			65.98	66.98	1.00		MBX	16236			0.57	0.27	< 0.01%	44	85	0.02%	< 0.002
			66.98	68.98	2.00		MBX	16237			2.30	1.44	0.02%	177	1300	0.01%	< 0.002
			68.98	69.98	1.00		MBX	16238			2.55	0.79	0.01%	122	2045	0.03%	< 0.002
			69.98	71.15	1.17		MBX	16239			1.34	0.10	0.03%	97	235	0.01%	< 0.002
			71.15	74.15	3.00		AGD	16240			1.40	0.09	240	61	69	18	
			74.15	77.15	3.00		AGD	16241			1.10	0.28	255	116	2330	13	
			77.15	80.15	3.00		AGD	16242			0.42	0.36	170	32	1755	23	
CONTINUED																	

PROPERTY LOGAN D.D.H. L 86 - 2 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED					
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			80.15	82.15	2.00		AGD	16243			0.25	0.14	125	18	645	20		
			82.15	83.15	1.00		AGD	19428			0.13	0.02	150	4	9	5		
			83.15	85.15	2.00		AGD	19429			0.21	< 0.02	115	13	9	5		
			85.15	86.40	1.25		AGD	19430			0.44	< 0.02	115	15	10	2		
			86.40	87.70	1.30		MQV	16244			6.80	0.45	0.04%	615	140	2.01%	< 0.002	
			87.70	90.70	3.00		AGD	16245			1.75	2.7 ppm	255	83	28	900		
			90.70	93.70	3.00		AGD	16246			2.80	0.18	305	168	193	500		
			93.70	94.70	1.00		AGD	19431			0.26	0.02	49	196	26	6		
			94.70	96.70	2.00		AGD	19432			0.38	0.04	130	26	30	2		
			96.70	98.70	2.00		AGD	19433			0.23	< 0.02	110	6	11	2		
			98.70	99.40	0.70		AGD	19434			0.74	0.02	215	33	6	3		
			99.40	103.40	4.00		AGD	16247			2.42	0.29	295	185	82	180		
			103.40	104.40	1.00		AGD	19435			1.55	0.10	300	111	24	5		
			104.40	106.40	2.00		AGD	19436			0.32	0.02	74	8	93	2		
			106.40	108.40	2.00		AGD	19437			0.10	< 0.02	18	< 1	82	4		
			108.40	109.80	1.40		AGD	19438			0.42	0.02	96	13	90	4		
			109.80	113.55	3.75		AGD	16248			1.16	5.2 ppm	145	98	57	> 1000		
			113.55	114.55	1.00		MQV	16249			1.16	0.24	0.06%	113	140	1.42%	< 0.002	
			114.55	115.55	1.00		MQV	16250			0.88	0.06	0.04%	43	43	0.06%	< 0.002	
			115.55	116.55	1.00		MQV	16251			0.25	0.58	0.01%	52	190	0.11%	< 0.002	
			116.55	117.90	1.35		MQV	16252			0.24	0.80	< 0.01%	47	278	0.41%	< 0.002	
			117.90	120.90	3.00		AGD	16253			1.37	0.15	235	129	244	250		
			120.90	123.90	3.00		AGD	16254			0.47	0.5 ppm	220	28	14	5		
			123.90	126.90	3.00		AGD	16255			1.63	0.31	240	231	62	300		
			126.90	129.90	3.00		AGD	16256			1.14	0.04	215	65	9	25		
			129.90	134.60	4.70		AGD	16257			1.32	0.09	265	121	18	70		
			134.60	136.55	1.95		MQV	16258			4.10	0.29	5700	600	34	1000	< 0.002	
			136.55	139.20	2.65		AGD	16259			1.65	0.02	640	149	7	300		
			139.20	139.70	0.50		MQV	16260			5.70	0.94	0.38%	2600	52	0.11%	< 0.002	
			139.70	140.20	0.50		AGD	16261			1.85	0.06	0.05%	171	8	< 0.01%	< 0.002	
			140.20	143.20	3.00		AGD	16262			0.52	0.8 ppm	175	41	7	5		
								CONTINUED										

PROPERTY LOGAN D.D.H. 86 -1- 3 PAGE 1 OF 3

AREA: MAIN ZONE DIP: -50° AZIMUTH (I): 180.59° DEPTH: 115.21m
 CLAIM: LOGAN 3 NORTHING: 193.93 DATE STARTED: JULY 13D 1986
 SECTION: 275 E EASTING: 269.93 DATE FINISHED: JULY 13N 1986
 CORE SIZE: ND ELEVATION: 1380.8 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 98% CORE STORED AT: LOGAN ERDP LOGGED BY: FALL DONKERSLOOT

COMMENTS: The hole was drilled to test stockwork mineralization north of Hole L-1 after L-1 was abandoned. Approximately 90m of stockwork mineralization was intersected. The hole was terminated after 10m of barren core was intersected.

UTM COORDINATES: 6708435.0 EASTING 419655.2

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-50.00	180.59	0.00	1.83	1.83		DB											
46.63	-51.50	165.59	1.83	24.70	22.87		AGD											
105.20	-52.00	165.59	24.70	26.25	1.55		MRV											
			26.25	43.70	17.45		AGD											
			43.70	44.81	1.11		MRV											
			44.81	52.81	8.00		AGD											
			52.81	54.10	1.29		MRV											
			54.10	60.10	6.00		AGD											
			60.10	61.85	1.75		FD											
			61.85	69.50	7.65		AGD											
			69.50	70.70	1.20		MRV											
			70.70	79.70	9.00		AGD											
			79.70	85.45	5.75		FD											
			85.45	93.35	7.90		AGD											
			93.35	96.80	3.45		FDRX											
			96.80	99.95	3.15		FD											
			99.95	103.65	3.70		FDRX											
			103.65	106.65	3.00		AFD											
			106.65	109.20	2.55		SAGD											
			109.20	115.21	6.01		AGD											
ASSAYS AND ANALYSES																		
			2.00	3.66	1.66		AGD	16263			0.12	4.23	0.04%	380	950	0.31%	0.003	
			3.66	5.66	2.00		AGD	19442			0.03	0.18	160	175	42	500		
			5.66	7.66	2.00		AGD	19443			0.02	0.14	245	176	76	850		
			7.66	9.66	2.00		AGD	19444			0.13	0.07	165	330	22	130		
			9.66	11.66	2.00		AGD	19445			0.06	0.77	195	185	90			
			11.66	13.66	2.00		AGD	19446			0.04	0.14	200	167	78			
CONTINUED																		

PROPERTY LOGAN D.D.H. L 86 - 3 PAGE 2 OF 3

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			13.66	15.62	1.96		AGD	19447			0.04	0.11	145	480	50	500		
			15.62	16.62	1.00		AGD	19448			0.02	0.25	160	72	57	130		
			16.62	19.62	3.00		AGD	16264			0.42	0.21	200	640	91	240		
			19.62	20.43	0.81		AGD	16265			13.90	1.08	0.02%	6000	81	0.11%	< 0.002	
			20.43	22.43	2.00		AGD	16266			0.26	0.19	154	930	53	750		
			22.43	24.70	2.27		AGD	16267			3.90	1.80	200	2300	335	> 1000		
			24.70	25.47	0.77		AGD	16268			5.40	1.56	0.01%	1600	475	0.69%	< 0.002	
			25.47	26.25	0.78		AGD	16269			1.50	0.33	0.03%	670	126	0.27%	< 0.002	
			26.25	29.25	3.00		AGD	16270			3.01	0.39	430	540	100	> 1000		
			29.25	30.25	1.00		AGD	16271			1.02	0.09	340	760	115	200	< 0.002	
			30.25	33.25	3.00		AGD	16272			1.11	0.06	295	120	191	30		
			33.25	35.25	2.00		AGD	16273			1.92	0.09	400	360	73	300		
			35.25	36.50	1.25		AGD	19449			0.75	0.04	210	640	62	26		
			36.50	37.70	1.20		AGD	19450			0.36	0.02	160	11	16	5		
			37.70	40.70	3.00		AGD	16274			0.48	0.05	170	28	24	55		
			40.70	43.70	3.00		AGD	16275			1.48	0.25	215	300	168	270		
			43.70	44.25	0.55		AGD	16276			15.20	1.92	0.07%	2600	0.93%	4.00%	< 0.002	
			44.25	44.81	0.56		AGD	16277			8.40	0.73	0.04%	930	1100	3.25%	< 0.002	
			44.81	47.81	3.00		AGD	16278			0.78	0.10	215	132	45	700		
			47.81	49.31	1.50		AGD	16279			3.65	0.19	200	230	72	> 1000	< 0.002	
			49.31	51.31	2.00		AGD	16280			0.82	0.09	140	112	120	73		
			51.31	52.81	1.50		AGD	16281			0.94	0.12	210	124	680	260		
			52.81	53.45	0.64		AGD	16282			6.80	1.21	0.05%	1800	670	1.09%	< 0.002	
			53.45	54.10	0.65		AGD	16283			15.30	1.59	0.06%	2600	645	2.54%	0.002	
			54.10	57.10	3.00		AGD	16284			1.54	0.12	180	111	28	30		
			57.10	60.10	3.00		AGD	16285			1.20	0.16	190	56	61	320		
			60.10	61.85	1.75		FD	16286			5.40	0.30	240	570	259	> 1000	< 0.002	
			61.85	64.85	3.00		AGD	16287			1.64	0.17	195	196	43	240		
			64.85	67.45	2.60		AGD	16288			0.96	0.05	190	135	173	110		
			67.45	68.05	0.60		AGD	16289			1.19	0.61	0.16%	194	379	4.15%	< 0.002	
			68.05	69.50	1.45		AGD	16290			0.98	0.13	370	300	400	> 1000		
								CONTINUED										

PROPERTY LOGAN D.D.H. L 86 - 3 PAGE 3 OF 3

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			69.50	70.10	0.60		AGD	16291			7.50	3.95	0.08%	3000	3670	4.89%	< 0.002
			70.10	70.70	0.60		AGD	16292			1.18	1.51	0.07%	700	1135	0.48%	< 0.002
			70.70	73.70	3.00		AGD	16293			1.85	0.45	215	370	415	200	
			73.70	76.70	3.00		AGD	16294			1.80	0.23	240	157	205	195	
			76.70	79.70	3.00		AGD	16295			3.80	0.50	200	148	206	700	
			79.70	81.70	2.00		FD	16296			2.50	0.69	230	250	460		< 0.002
			81.70	83.70	2.00		FD	16297			3.00	0.51	215	340	315		-0.002
			83.70	84.70	1.00		FD	16298			3.01	0.69	295	300	785		0.002
			84.70	85.45	0.75		FD	16299			11.00	1.55	0.04%	580	750	0.04%	0.002
			85.45	87.45	2.00		AGD	16300			4.60	0.55	200	230	286	120	
			87.45	89.45	2.00		AGD	16301			4.85	0.36	200	240	109	250	
			89.45	91.60	2.15		AGD	16302			3.95	0.55	205	780	238	> 1000	
			91.60	92.48	0.88		AGD	16303			20.80	3.46	0.05%	1700	865	0.48%	0.002
			92.48	93.35	0.87		AGD	16304			11.30	2.29	0.03%	3600	1795	0.22%	0.002
			93.35	95.08	1.73		FDBX	16305			0.40	0.06	0.02%	82	136	0.07%	< 0.002
			95.08	96.80	1.72		FDBX	16306			0.16	< 0.02	0.02%	50	25	0.02%	< 0.002
			96.80	98.80	2.00		FD	16307			0.18	0.4 ppm	125	23	84	50	
			98.80	99.95	1.15		FD	16308			0.40	0.4 ppm	125	25	336	80	
			99.95	101.80	1.85		FDBX	16309			0.05	< 0.02	< 0.01%	10	46	0.03%	< 0.002
			101.80	103.65	1.85		FDBX	16310			0.17	< 0.02	< 0.01%	27	142	0.03%	< 0.002
			103.65	106.65	3.00		AFD	16311			0.99	0.03	98	55	106	45	
			106.65	108.65	2.00		SAGD	19451			0.24	0.02	10	6	40	4	
			108.65	110.65	2.00		SAGD	19452			0.10	0.03	12	2	25	6	
AVERAGES																	
			84.00	93.35	9.35						7.05	1.04					
			75.00	93.35	18.35						5.03	0.77					
			37.70	93.35	55.65						3.17	0.48					

PROPERTY: LOGAN D.D.H. 86 -L- 4 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -52 ° AZIMUTH (t): 59 ° DEPTH: 67.36m
 CLAIM: LOGAN 3 NORTHING: 52.81 DATE STARTED: JULY 14D 1984
 SECTION: 195 E EASTING: 191.28 DATE FINISHED: JULY 15N 1984
 CORE SIZE: NQ ELEVATION: 1354.2 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 66 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: The hole was drilled to test the Main Vein and stockwork mineralization to the north of the Main Vein.
The Main Vein mineralization was not intersected and the hole was abandoned due to bad ground prior to reaching the stockwork mineralization zone.
UTM COORDINATES: NORTHING 6708274.1 EASTING 419699.8
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-52.00°	0.59	0.00	4.88	4.88		OR										
58.22	-52.00°	7.59	4.88	14.84	9.96		AGD										
			14.84	18.80	3.96		SAGD										
			18.80	23.00	4.20		AGD										
			23.00	36.23	13.23		SAGD										
			36.23	51.45	15.22		AGD										
			51.45	57.25	5.80		SAGD										
			57.25	67.36	10.11		AGD										
ASSAYS AND ANALYSES																	
			12.90	13.90	1.00		AGD	19453			0.10	< 0.02	6	4	22	11	
			13.90	14.90	1.00		AGD	19454			0.37	0.03	23	23	56	75	
			14.90	15.90	1.00		SAGD	16312			2.64	0.30	115	1350	410	300	
			15.90	16.90	1.00		SAGD	19455			0.46	0.02	51	50	76	37	
			16.90	17.90	1.00		SAGD	19456			0.40	0.03	38	34	80	26	
			41.20	42.20	1.00		AGD	19457			0.16	0.02	51	4	100	2	
			42.20	43.20	1.00		AGD	19458			0.18	< 0.02	185	4	10	3	
			43.20	43.60	0.40		MOV	16313			12.80	1.42	190	3400	365	11	< 0.002
			43.60	44.60	1.00		AGD	19459			1.12	0.03	255	33	120	15	
			44.60	46.60	2.00		AGD	19460			0.54	< 0.02	210	14	38	5	
			46.60	47.10	0.50		MOV	16314			9.00	0.51	150	220	229	< 2	< 0.002
			47.10	49.10	2.00		AGD	19461			0.24	0.02	225	7	6	5	
			49.10	51.10	2.00		AGD	19462			0.47	0.02	115	11	27	11	
			51.10	52.10	1.00		SAGD	19463			0.50	0.03	1100	45	80	3	
			52.10	54.10	2.00		SAGD	19464			0.24	< 0.02	130	10	15	2	
			54.10	56.10	2.00		SAGD	19465			0.12	< 0.02	27		50	6	
			56.10	58.30	2.20		SAGD	19466			0.18	< 0.02	58	7	46	6	
			58.30	60.90	2.60		AGD	16315			0.59	0.54	80	25	185	1000	
CONTINUED																	

PROPERTY LOGAN D.D.H. 86 -L- 5 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -50 ° AZIMUTH (I): 59 ° DEPTH: 168.86m

CLAIM: LOGAN 2 NORTHING: 122.29 DATE STARTED: JULY 16D 1986

SECTION: 10 W EASTING: -7.19 DATE FINISHED: JULY 20D 1986

CORE SIZE: NQ ELEVATION: 1356.8 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 89 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT

COMMENTS: The hole was drilled to test the Main Vein and stockwork mineralization
The Main Vein was not intersected. Approximately 120m of stockwork mineralization was intersected. Hole was terminated after drilling 11m of barren ground.
 UTM COORDINATES: NORTHING 6708219.6 EASTING 419466.7
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-50.00°	0.59°	0.00	9.75	9.75		DB											
60.05	-52.00°	7.59°	9.75	17.20	7.45		AGD											
127.10	-54.00°	5.59°	17.20	22.85	5.65		SAGD											
168.86	-55.00°	8.59°	22.85	24.85	2.00		MBX											
			24.85	85.00	60.15		AGD											
			85.00	88.50	3.50		MGV											
			88.50	91.00	2.50		MS											
			91.00	93.82	2.82		MBX											
			91.00	108.00	17.00		DIBX											
			108.00	119.35	11.35		MGV											
			119.35	139.90	20.55		AGD											
			139.90	142.10	2.20		FD											
			142.10	143.20	1.10		AGD											
			143.20	143.80	0.60		FD											
			143.80	144.40	0.60		AGD											
			144.40	145.00	0.60		FD											
			145.00	168.86	23.86		GD											
ASSAYS AND ANALYSES																		
			12.20	14.20	2.00		AGD	19469			1.26	0.04	235	37	14	200		
			14.20	17.20	3.00		AGD	16316			5.00	0.14	280	74	70	600		
			17.20	20.20	3.00		SAGD	19470			2.73	0.10	200	77	80	130		
			20.20	22.85	2.65		SAGD	19471			5.46	0.21	170	88	74	260		
			22.85	23.85	1.00		MBX	16317			3.40	0.03	< 0.01%	16	37	0.01%	< 0.002	
			23.85	24.85	1.00		MBX	16318			2.30	< 0.02	0.01%	12	32	0.01%	< 0.002	
			57.40	58.40	1.00		AGD	19472			0.18	0.02	37	8	24	21		
			58.40	59.40	1.00		AGD	19473			0.28	0.02	54	6	20	19		
			59.40	61.40	2.00		AGD	16319			1.18	0.04	195	112	41	14		
CONTINUED																		

PROPERTY LOGAN D.D.H. L 86 - 5 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			61.40	63.40	2.00		AGD	16320			0.88	0.03	84	36	103	18	
			63.40	65.40	2.00		AGD	19474			0.43	0.02	115	13	10	4	
			65.40	67.40	2.00		AGD	19475			0.50	0.02	110	18	9	4	
			67.40	69.40	2.00		AGD	19476			0.76	0.03	205	26	20	300	
			69.40	70.40	1.00		AGD	19477			0.95	0.50	170	40	160	27	
			70.40	71.40	1.00		AGD	19478			2.30	0.29	250	264	86	2	
			71.40	72.30	0.90		AGD	19479			0.10	0.06	110	8	16	11	
			72.30	75.30	3.00		AGD	16321			1.00	0.39	120	580	79	550	
			75.30	77.30	2.00		AGD	16322			3.40	1.27	130	275	209	27	
			77.30	79.80	2.50		AGD	16323			1.60	0.54	75	312	118	95	
			79.80	80.40	0.60		AGD	16324			6.40	2.31	0.02%	2700	510	0.03%	< 0.002
			80.40	83.00	2.60		AGD	16325			1.82	0.36	92	256	125	240	
			83.00	85.00	2.00		AGD	16326			3.55	0.93	275	455	319	> 1000	
			→ 85.00	86.00	1.00		MQV	16327			11.60	2.31	0.03%	1680	700	0.32%	< 0.002
			86.00	87.00	1.00		MQV	16328			18.10	1.21	0.05%	980	325	1.08%	< 0.002
			87.00	88.00	1.00		MQV	16329			14.75	1.95	2.3%	850	1970	620	> 1000
			88.00	88.50	0.50		MQV	16330			21.40	2.04	760	1560	530	> 1000	
			88.50	89.50	1.00		MS	16331			27.30	6.01	0.05%	6600	1995	1.45%	< 0.002
			89.50	91.00	1.50		MS	16332			18.00	1.76	0.05%	1700	845	2.54%	< 0.002
			91.00	92.00	1.00		MBX	16333			2.80	0.28	0.04%	450	150	1.12%	< 0.002
			92.00	93.00	1.00		MBX	16334			0.64	0.14	0.01%	65	44	0.47%	< 0.002
			93.00	93.80	0.80		MBX	16335			2.40	0.36	0.01%	236	111	0.52%	< 0.002
			93.80	95.25	1.45		DIBX	16336			4.40	0.33	0.08%	204	141	0.15%	< 0.002
			95.25	95.90	0.65		DIBX	16337			12.95	0.78	0.05%	600	415	0.43%	< 0.002
			95.90	96.90	1.00		DIBX	16338			48.00 *	0.48	120	300	230	> 1000	
			96.90	97.90	1.00		DIBX	16339			1.34	0.21	43	114	85	850	
			97.90	98.90	1.00		DIBX	16340			0.76	0.18	< 0.01%	30	490	0.19%	< 0.002
			98.90	99.90	1.00		DIBX	16341			2.08	0.28	0.01%	120	146	0.33%	< 0.002
			99.90	100.90	1.00		DIBX	16342			3.50	0.42	0.05%	204	168	0.27%	< 0.002
			100.90	101.90	1.00		DIBX	16343			5.10	0.59	0.01%	210	3090	0.18%	< 0.002
			101.90	102.90	1.00		DIBX	16344			0.96	0.15	< 0.01%	60	57	0.28%	< 0.002
								CONTINUED									

VALUES BELOW IN PPM UNLESS NOTED

6.0

12.2%

PROPERTY LOGAN D.D.H. L 86 - 5 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			102.90	103.90	1.00		DIRX	16345			3.40	0.52	0.01%	310	319	0.19%	< 0.002
			103.90	104.90	1.00		DIRX	16346			2.30	0.29	0.03%	180	142	1.30%	< 0.002
			104.90	105.90	1.00		DIRX	16347			3.60	0.39	0.04%	290	180	0.60%	< 0.002
			105.90	106.90	1.00		DIRX	16348			1.82	0.24	< 0.01%	172	160	0.07%	< 0.002
			106.90	108.00	1.10		DIRX	16349			2.80	1.02	0.02%	440	775	0.42%	< 0.002
			108.00	109.10	1.10		MGV	16350			9.70	1.56	0.03%	1450	885	0.04%	< 0.002
			109.10	110.60	1.50		MGV	16351			4.60	0.77	0.07%	640	1160	0.04%	< 0.002
			110.60	112.10	1.50		MGV	16352			2.83	0.95	0.02%	660	1275	0.05%	< 0.002
			112.10	113.60	1.50		MGV	16353			1.80	0.34	0.01%	220	640	0.03%	< 0.002
			113.60	115.10	1.50		MGV	16354			1.15	0.82	0.02%	296	605	0.03%	< 0.002
			115.10	116.60	1.50		MGV	16355			1.22	0.43	0.02%	206	120	0.01%	< 0.002
			116.60	118.10	1.50		MGV	16356			1.12	0.12	0.08%	164	156	0.02%	< 0.002
			118.10	119.35	1.25		MGV	16357			3.20	1.33	0.01%	480	980	0.03%	0.002
			119.35	121.00	1.65		AGD	16358			3.60	0.21	150	165	106	350	< 0.002
			121.00	123.00	2.00		AGD	16359			1.90	0.13	850	112	48	500	
			123.00	125.00	2.00		AGD	16360			1.27	0.08	1600	104	80	30	
			125.00	127.00	2.00		AGD	16361			1.57	0.14	125	344	430	> 1000	
			127.00	129.00	2.00		AGD	16362			1.31	0.35	316	210	312	550	
			129.00	131.00	2.00		AGD	16363			1.64	0.36	880	80	105	200	
			131.00	133.00	2.00		AGD	16364			0.88	0.11	960	50	50	210	
			133.00	134.20	1.20		AGD	16365			0.57	0.20	115	300	183	43	
			134.20	135.30	1.10		AGD	16366			4.80	0.23	200	332	160	24	< 0.002
			135.30	137.90	2.60		AGD	16367			1.60	0.05	785	90	64	12	
			137.90	139.90	2.00		AGD	16368			4.75	0.19	230	128	46	17	< 0.002
			139.90	141.00	1.10		FD	16369			3.80	0.14	360	146	63	12	< 0.002
			141.00	142.10	1.10		FD	16370			3.44	0.14	235	170	276	21	< 0.002
			142.10	143.20	1.10		AGD	16371			1.20	0.03	250	74	25	50	
			143.20	143.80	0.60		FD	16372			1.98	0.10	365	132	99	5	< 0.002
			143.80	144.40	0.60		AGD	16373			0.86	0.40	265	72	359	13	
			144.40	145.00	0.60		FD	16374			5.40	0.16	470	310	76	5	< 0.002
			145.00	148.00	3.00		GD	16375			0.56	0.04	205	36	42	24	
CONTINUED																	

PROPERTY LOGAN D.D.H. L 86 - 5 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			148.00	151.00	3.00		GD	16376			0.82	0.03	200	37	30	20	
			151.00	154.00	3.00		GD	16377			1.36	1.4 ppm	255	76	64	240	
			154.00	157.20	3.20		GD	16378			0.62	0.4 ppm	150	26	6	11	
			162.90	163.60	0.70		GD	16379			0.60	0.11	195	120	252	20	
			163.60	166.60	3.00		GD	16380			1.08	0.6 ppm	230	56	7	23	
			166.60	168.86	2.26		GD	19480			0.82	0.03	270	38	240	60	
								AVERAGES									
			85.00	91.00	6.00						18.24	2.52					
			84.00	96.90	12.90						14.04	1.41					
			77.30	97.00	19.70						10.02	1.16					
			75.30	110.60	35.30						7.07	0.92					
			79.80	136.00	56.20						5.07	0.67					
			57.40	157.20	99.80						3.48	0.45					

PROPERTY LOGAN D.D.H. 86 -L- 6 PAGE 1 OF 3

AREA: MAIN ZONE DIP: -60° AZIMUTH (I): 180.59° DEPTH: 90.53m
 CLAIM: LOGAN 2 NORTHING: 201.51 DATE STARTED: JULY 22D 1984
 SECTION: 105 W EASTING: -93.81 DATE FINISHED: JULY 23D 1984
 CORE SIZE: NQ ELEVATION: 1368.7 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 83% CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT

COMMENTS: Hole 6 was drilled to test widely scattered massive sulfide float mineralization. The hole collared in massive sulfides and intersected a total of 72.3m of stockwork mineralization. Included in this interval is 9.2m of well mineralized breccia, 9.5m of sulfide bearing quartz veins, and 2.0m of massive (>90%) sulfides.

Hole was terminated after drilling 20m of barren ground. UTM COORDINATES: NORTHING 6708236.2 EASTING 419350.5

NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00	180.59	0.00	3.05	3.05		DB											
41.76	-60.00	174.59	3.05	4.35	1.30		MBX											
84.43	-60.00	175.59	4.35	7.75	3.40		MQV											
			7.75	50.75	43.00		AGD											
			50.75	56.90	6.15		MQV											
			56.90	58.30	1.40		SAGD											
			58.30	60.35	2.05		DXBX											
			60.35	62.40	2.05		MS											
			62.40	70.35	7.95		MBX											
			70.35	71.05	0.70		GM											
			71.05	74.20	3.15		AGD											
			74.20	90.53	16.33		SAGD											
ASSAYS AND ANALYSES																		
			→ 3.05	4.35	1.30		MBX	16381			9.40	1.40	1500	2100	605	1.15%	< 0.002	
			4.35	6.05	1.70	} 6.7	MQV	16382			12.40	3.65	690	2800	410	1.65%	< 0.002	
			6.05	7.75	1.70		MQV	16383			26.80	5.44	190	4950	580	0.99%	< 0.002	
			7.75	9.75	2.00		AGD	16384			18.80	0.87	680	1320	102	> 1000	< 0.002	
			9.75	11.75	2.00		AGD	16385			6.00	1.20	650	1210	124	> 1000	< 0.002	
			11.75	13.75	2.00		AGD	16386			4.08	0.66	670	500	136	> 1000	< 0.002	
			13.75	15.75	2.00	AGD	16387			0.62	0.54	5500	570	119	> 1000	< 0.002		
			15.75	18.75	3.00	AGD	16388			1.97	0.28	1200	510	68	> 1000			
			18.75	21.75	3.00	AGD	16389			1.14	0.31	990	340	148	800			
			21.75	24.75	3.00	AGD	16390			1.70	0.20	390	340	123	310			
			24.75	26.75	2.00	AGD	16391			1.96	0.62	215	940	169	220			
			26.75	28.35	1.60	AGD	16392			2.30	0.16	1000	260	89	> 1000	< 0.002		
			28.35	29.45	1.10	AGD	16393			1.43	1.17	609	300	145	0.40%	< 0.002		
			29.45	32.45	3.00	AGD	16394			2.18	0.66	940	540	149	190			
CONTINUED																		

PROPERTY LOGAN D.D.H. L 86 - 6 PAGE 3 OF 3

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED					
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t					
								AVERAGES														
			50.75	70.35	19.60						14.17	1.68										
			40.55	70.35	29.80						10.29	1.27										
			3.05	17.00	13.95						10.06	1.73										
			3.05	70.35	67.30						7.22	1.06										
			3.05	11.75	8.70						14.77	2.46										
			60.35	70.35	10.00						19.26	1.07										

PROPERTY LOGAN D.D.H. 86 -L- 7 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 100.89m
 CLAIM: LOGAN 2 NORTHING: 255.58 DATE STARTED: JULY 24D 1986
 SECTION: 105 W EASTING: -95.52 DATE FINISHED: JULY 28D 1986
 CORE SIZE: NQ ELEVATION: 1375.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 81 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: The hole was drilled to test the down dip continuity of mineralization intersected in hole L-6, 55m to the south. Approximately 30m of stockwork mineralization was intersected prior to the hole being abandoned. Approximately 100m of drill rod was left down the hole.
UTM COORDINATES: NORTHING 6708279.9 EASTING 419318.6
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00	180.59	0.00	4.88	4.88		DB										
			4.88	17.40	12.52		AGD										
			17.40	29.40	12.00		SAGD										
			29.40	48.20	18.80		AGD										
			48.20	56.30	8.10		SCH										
			56.30	59.10	2.80		SAGD										
			59.10	59.75	0.65		MBX										
			59.75	60.90	1.15		AGD										
			60.90	61.35	0.45		MBX										
			61.35	64.23	2.88		AGD										
			64.23	69.55	5.32		FD										
			69.55	70.40	0.85		MGV										
			70.40	99.20	28.80		AGD										
			99.20	99.40	0.20		MS										
			99.40	100.89	1.49		AGD										
ASSAYS AND ANALYSES																	
			59.10	59.75	0.65		MBX	16422			0.02	0.04	< 5	3	37	72	
			59.75	60.90	1.15		AGD	16423			0.23	< 0.02	50	13	40	60	
			60.90	61.35	0.45		MBX	16424			2.88	0.20	82	65	2500	73	
			61.35	63.53	2.18		AGD	16425			0.52	0.03	145	48	128	10	
			63.53	65.70	2.17		AGD	16426			1.26	< 0.02	855	220	69	130	
			65.70	67.63	1.93		FD	16427			4.20	0.42	2000	680	176	> 1000	
			67.63	69.55	1.92		FD	16428			6.65	1.62	1100	640	318	> 1000	
			69.55	70.40	0.85		MGV	16429			15.50	3.51	550	640	400	> 1000	
			70.40	73.40	3.00		AGD	16430			1.58	0.25	270	240	69	300	
			73.40	76.15	2.75		AGD	16431			1.83	0.41	570	440	143	> 1000	
			76.15	76.60	0.45		AGD	16432			8.80	0.75	500	540	198	> 1000	
CONTINUED																	

PROPERTY _____ LOGAN _____ D.D.H. L 86 - 7 PAGE 2 OF 2
 AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			76.60	79.60	3.00		AGD	16433			3.00	0.16	650	220	106	240	
			79.60	82.60	3.00		AGD	16434			1.83	0.11	355	182	65	100	
			82.60	85.60	3.00		AGD	16435			2.30	< 0.02	1400	260	55	400	
			85.60	88.60	3.00		AGD	16436			1.92	0.04	565	142	78	450	
			88.60	91.60	3.00		AGD	16437			1.93	< 0.02	800	250	153	170	
			91.60	94.60	3.00		AGD	16438			1.28	0.07	265	130	48	5	
			94.60	96.60	2.00		AGD	16439			0.97	0.05	995	118	30	40	
			96.60	98.00	1.40		AGD	16440			10.80	0.63	900	620	285	> 1000	
			98.00	99.20	1.20		AGD	16441			1.52	0.07	455	170	102	65	
			99.20	99.45	0.25		MS	16442			41.72	11.52	250	16600	1060	30	
			99.45	100.89	1.44		AGD	16443			2.50	0.09	775	240	69	11	

PROPERTY LOGAN D.D.H. L 86 - 8 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			60.25	61.25	1.00		AGD	19485			0.08	0.03	15	6	100	35	
			61.25	61.95	0.70		MBX	16444			0.30	< 0.02	20	9	114	68	
			61.95	62.60	0.65		MBX	16445			2.80	0.04	140	118	156	25	
			62.60	63.35	0.75		FD	16446			1.90	0.06	100	100	1400	25	
			63.35	65.10	1.75		AGD	16447			0.20	0.02	70	6	48	4	
			65.10	67.10	2.00		AGD	16448			0.60	< 0.02	140	26	87	4	
			67.10	68.10	1.00		FD	16449			5.70	0.72	2050	680	330	1000	
			68.10	69.10	1.00		FD	16450			7.70	0.84	2800	600	174	230	
			69.10	70.38	1.28		FD	16451			3.80	1.59	800	780	200	> 1000	
			70.38	70.91	0.53		MQV	16452			9.80	1.19	1000	1040	260	> 1000	
			70.91	71.45	0.54		MQV	16453			14.20	1.56	900	800	240	> 1000	
			71.45	72.28	0.83		AGD	16454			2.70	0.14	325	154	53	> 1000	
			72.28	72.80	0.52		AGD	16455			3.40	0.71	355	230	400	> 1000	
			72.80	74.80	2.00		AGD	16456			2.00	0.16	370	184	48	220	
			74.80	76.97	2.17		AGD	16457			3.10	0.39	980	460	122	65	
			76.97	77.30	0.33		AGD	16458			23.10	5.66	50	2200	840	90	
			77.30	79.30	2.00		AGD	16459			2.70	0.34	895	770	105	35	
			79.30	81.30	2.00		AGD	16460			1.44	0.13	240	152	106	> 1000	
			81.30	83.30	2.00		AGD	16461			1.70	0.16	265	144	36	> 1000	
			83.30	85.30	2.00		AGD	16462			3.00	0.14	255	250	97	1000	
			85.30	87.30	2.00		AGD	16463			6.00	0.34	780	580	91	> 1000	
			87.30	89.30	2.00		AGD	16464			1.28	0.11	750	174	41	130	
			89.30	91.30	2.00		AGD	16465			2.90	0.22	655	940	87	550	
			91.30	93.30	2.00		AGD	16466			3.20	0.46	230	450	280	130	
			93.30	95.30	2.00		AGD	16467			1.80	0.09	1100	156	47	500	
			95.30	97.70	2.40		AGD	16468			1.73	0.08	850	168	280	130	
			97.70	98.25	0.55		AGD	16469			5.50	1.78	1300	850	1900	> 1000	
			98.25	100.25	2.00		AGD	16470			1.02	0.05	275	110	51	7	
			100.25	102.25	2.00		AGD	16471			4.90	0.45	350	370	142	35	
			102.25	103.79	1.54		AGD	16472			3.70	0.20	215	186	104	85	
			103.79	105.32	1.53		AGD	16473			1.51	0.08	295	138	150	6	
								CONTINUED									

PROPERTY LOGAN D.D.H. L 86 - 8 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			141.65	142.65	1.00		MBX	16505			9.00	1.08	100	298	480	> 1000		
			142.65	143.65	1.00		MQV	16506			2.90	0.55	525	105	320	250		
			143.65	144.65	1.00		MQV	16507			1.50	0.21	1000	380	46	110		
			144.65	145.65	1.00		MQV	16508			9.30	0.20	100	250	106	130		
			145.65	147.65	2.00		AGD	16509			2.00	0.04	380	39	60	41		
			147.65	149.65	2.00		AGD	16510			3.10	0.15	795	81	148	210		
			149.65	151.65	2.00		AGD	16511			4.20	0.15	170	57	138	23		
			151.65	153.65	2.00		AGD	16512			4.30	0.08	480	59	220	31		
			153.65	154.65	1.00		LON	19486			0.61	0.03	145	18	200	36		
			154.65	156.65	2.00		SAGD	19487			0.14	< 0.02	64	1	44	2		
			156.65	158.65	2.00		SAGD	19488			0.28	0.02	72	8	99	4		
			158.65	160.02	1.37		SAGD	19489			0.29	< 0.02	100	5	28	600		
							AVERAGES											
			131.48	135.88	4.40						16.61	1.12						
			131.40	142.65	11.25						10.28	0.72						
			105.32	145.65	40.33						7.19	0.55						
			67.10	153.65	86.55						5.15	0.44						
			131.50	137.00	5.50						14.12	0.94						
			105.32	113.48	8.16						10.35	0.66						
			130.45	135.88	5.43						14.15	0.99						

PROPERTY LOGAN D.D.H. 86 -L- 9 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 123.44m
 CLAIM: LOGAN 2 NORTHING: 206.09 DATE STARTED: AUG 20 1986
 SECTION: 200 W EASTING: -198.44 DATE FINISHED: AUG 40 1986
 CORE SIZE: NQ ELEVATION: 1382.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 73 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAI

COMMENTS: Hole L-9 was drilled to test for continuity of mineralization west of holes L-6 and L-8. Approximately 63m of stockwork mineralization was intersected. This hole was terminated after 14m of barren ground was drilled.

UTM COORDINATES: NORTHING 6708181.0 EASTING 419261.5

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	3.05	3.05		DR										
76.20	-62.00°	173.59°	3.05	4.29	1.24		GD										
121.92	-62.00°	175.09°	4.29	11.27	6.98		SCH										
			11.27	24.85	13.58		GD										
			24.85	41.76	16.91		AGD										
			41.76	43.50	1.74		GM										
			43.50	57.40	13.90		FD										
			57.40	76.95	19.55		AGD										
			76.95	86.56	9.61		MGV										
			86.56	92.51	5.95		MBX										
			92.51	102.45	9.94		FQP										
			102.45	108.51	6.06		MRX										
			108.51	114.30	5.79		FQP										
			114.30	119.25	4.95		FQPBX										
			119.25	123.44	4.19		FQP										
ASSAYS AND ANALYSES																	
			36.75	38.75	2.00		AGD	19490			< 0.01	< 0.02	9	4	8	2	
			38.75	39.75	1.00		AGD	19491			< 0.01	< 0.02	< 5	< 1	14	2	
			39.75	40.75	1.00		AGD	19492			0.16	< 0.02	< 5	< 1	16	2	
			40.75	41.75	1.00		AGD	19493			0.33	< 0.02	< 5	< 1	26	2	
			41.75	43.75	2.00		GM	16513			0.27	< 0.02	37	23	30	120	
			43.75	45.75	2.00		FD	16514			0.70	0.03	190	43	159	81	
			45.75	47.75	2.00		FD	16515			0.96	< 0.02	205	36	83	38	
			47.75	49.75	2.00		FD	16516			1.10	< 0.02	105	7	46	90	
			49.75	51.75	2.00		FD	16517			1.15	< 0.02	135	45	38	38	
			51.75	52.75	1.00		FD	16518			0.94	< 0.02	205	135	78	90	
			52.75	53.75	1.00		FD	16519			0.45	0.38	58	320	61	550	
CONTINUED																	

PROPERTY LOGAN D.D.H. L 86 - 9 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Ph	As	Au oz/t
			53.75	54.75	1.00		FD	16520			5.00	1.18	1000	1720	330	1000	
			54.75	55.75	1.00		FD	16521			2.20	0.89	350	1560	420	1000	
			55.75	56.75	1.00		FD	16522			6.15	0.65	400	1270	240	500	
			56.75	57.75	1.00		FD	16523			3.30	0.84	875	1700	148	500	
			57.75	58.75	1.00		AGD	16524			2.00	0.62	215	1160	250	58	
			58.75	59.75	1.00		AGD	16525			2.00	0.48	220	750	94	34	
			59.75	60.75	1.00		AGD	16526			2.70	0.20	180	480	51	11	
			60.75	61.75	1.00		AGD	16527			15.30	2.09	140	4200	670	90	
			61.75	62.75	1.00		AGD	16528			2.20	0.16	210	300	41	500	
			62.75	63.75	1.00		AGD	16529			12.00	3.33	120	3700	1020	110	
			63.75	64.75	1.00		AGD	16530			6.10	3.62	140	3000	950	105	
			64.75	65.75	1.00		AGD	16531			1.08	0.38	135	900	80	55	
			65.75	66.75	1.00		AGD	16532			3.03	0.18	135	420	29	2	
			66.75	70.75	4.00		AGD	16533			1.28	0.06	155	154	9	2	
			70.75	71.75	1.00		AGD	16534			4.60	0.45	130	1200	164	6	
			71.75	72.75	1.00		AGD	16535			0.66	0.04	230	103	5	2	
			72.75	73.75	1.00		AGD	16536			7.50	0.90	120	1540	300	30	
			73.75	74.75	1.00		AGD	16537			1.43	0.11	155	260	19	35	
			74.75	75.75	1.00		AGD	16538			2.38	0.18	200	420	28	52	
			75.75	76.75	1.00		AGD	16539			1.51	0.10	310	250	10	450	
			76.75	77.25	0.50	} 2.0	MQV	16540			10.40	4.45	250	3400	710	1000	
			77.25	77.75	0.50		MQV	16541			15.60	2.77	120	2700	340	1000	
			77.75	78.25	0.50		MQV	16542			14.00	1.80	140	2400	210	1000	
			78.25	78.75	0.50		MQV	16543			17.20	2.65	300	3600	370	1000	
			78.75	79.25	0.50		MQV	16544			5.58	1.16	240	860	144	1000	
			79.25	79.75	0.50		MQV	16545			1.02	3.05	500	1700	420	1000	
			79.75	80.75	1.00		MQV	16546			6.30	0.99	300	900	152	1000	
			80.75	81.75	1.00		MQV	16547			4.40	0.74	350	680	100	1000	
			81.75	82.75	1.00		MQV	16548			2.20	0.74	280	460	134	1000	
			82.75	83.75	1.00		MQV	16549			0.64	0.08	335	85	8	1000	
			83.75	84.75	1.00		MQV	16550			0.66	0.11	200	102	22	1000	

CONTINUED

PROPERTY LOGAN D.D.H. 86 -L- 10 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 102.41m
 CLAIM: LOGAN 2 NORTHING: 164.64 DATE STARTED: AUG 50 1986
 SECTION: 310 W EASTING: -309.78 DATE FINISHED: AUG 60 1986
 CORE SIZE: NQ ELEVATION: 1389 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 21 % CORE STORED AT: LOGAN PROP. LOGGED BY: K. MEYDAI

COMMENTS: The hole was drilled to test for continuity of mineralization to the west of hole 1-9. Approximately 40m of stockwork mineralization was intersected. Pyrite and arsenopyrite are the dominant sulfides present. The hole was terminated after 8m of ground with low grade mineralization was drilled.

UTM COORDINATES; NORTHING 6708084.0 EASTING 419192.9
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	1.83	1.83		QB											
46.02	-61.00°	177.59°	1.83	35.66	33.83		GD											
91.74	-61.50°	177.59°	35.66	43.90	8.24		AGD											
			43.90	43.99	0.09		QV											
			43.99	46.63	2.64		GM											
			46.63	49.12	2.49		SAGD											
			49.12	53.04	3.92		AFD											
			53.04	72.24	19.20		MBX											
			72.24	80.60	8.36		AGD											
			80.60	81.38	0.78		MBX											
			81.38	102.41	21.03		AGD											
ASSAYS AND ANALYSES																		
			34.00	36.00	2.00		GD	16580			0.01	0.02	< 5	11	29	6		
			36.00	38.00	2.00		AGD	16581			0.08	0.04	73	42	30	81		
			38.00	40.00	2.00		AGD	16582			0.03	0.02	71	37	14	6		
			40.00	42.00	2.00		AGD	16583			0.08	< 0.02	68	15	2	11		
			42.00	44.00	2.00		AGD	16584			0.08	0.02	47	25	12	18		
			44.00	46.00	2.00		GM	16585			0.20	0.03	80	21	110	31		
			46.00	48.00	2.00		SAGD	16586			0.18	< 0.02	< 5	10	215	31		
			48.00	50.00	2.00		SAGD	16587			0.08	0.02	13	16	239	70		
			50.00	52.00	2.00		AFD	16588			0.06	< 0.02	< 5	18	271	60		
			52.00	53.00	1.00		AFD	16589			0.10	0.02	< 5	20	186	95		
			53.00	54.00	1.00		MBX	16590			0.14	0.02	69	37	58	120		
			54.00	55.00	1.00		MBX	16591			0.02	< 0.02	73	19	40	200		
			55.00	56.00	1.00		MBX	16592			0.28	0.04	49	160	35	400		
			56.00	57.00	1.00		MBX	16593			0.02	0.02	62	49	18	220		
			57.00	58.00	1.00		MBX	16594			0.07	0.12	195	510	268	400		
CONTINUED																		

PROPERTY LOGAN D.D.H. L 86 - 10 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sr	Cu	Ph	As	Au oz/t
			58.00	59.00	1.00		MBX	16595			0.33	0.02	110	165	17	> 1000	
			59.00	60.00	1.00		MBX	16596			0.74	0.05	71	250	29	900	
			60.00	61.00	1.00		MBX	16597			1.36	1.55	150	14200	1655	> 1000	
			61.00	62.00	1.00		MBX	16598			5.00	0.24	145	840	116	> 1000	
			62.00	63.00	1.00		MBX	16599			0.28	0.06	340	310	75	> 1000	
			63.00	64.00	1.00		MBX	16600			0.16	0.05	720	55	11	220	
			64.00	65.00	1.00		MBX	16601			0.05	0.03	145	57	6	250	
			65.00	66.00	1.00		MBX	16602			0.26	0.04	145	132	8	1000	
			66.00	67.00	1.00		MBX	16603			0.02	0.05	73	90	10	> 1000	
			67.00	68.00	1.00		MBX	16604			0.54	0.13	125	560	30	600	
			68.00	69.00	1.00		MBX	16605			0.24	0.08	155	300	5	250	
			69.00	70.00	1.00		MBX	16606			0.10	0.08	35	54	32	600	
			70.00	72.00	2.00		MBX	16607			0.08	0.17	195	55	56	> 1000	
			72.00	76.00	4.00		AGD	16608			0.45	0.13	100	120	58	600	
			76.00	77.00	1.00		AGD	16609			0.04	0.03	115	20	7	70	
			77.00	78.00	1.00		AGD	16610			0.02	0.02	120	5	2	28	
			78.00	79.00	1.00		AGD	16611			0.03	< 0.02	170	11	2	70	
			79.00	80.00	1.00		AGD	16612			0.08	< 0.02	155	21	2	70	
			80.00	81.00	1.00		AGD	16613			0.24	0.02	105	60	12	160	
			81.00	82.00	1.00		MBX	16614			0.51	0.14	130	68	43	300	
			82.00	83.00	1.00		AGD	16615			0.46	0.09	205	35	17	450	
			83.00	84.00	1.00		AGD	16616			1.10	0.03	205	77	6	11	
			84.00	85.00	1.00		AGD	16617			0.73	0.02	180	55	4	22	
			85.00	86.00	1.00		AGD	16618			0.70	0.13	950	162	228	> 1000	
			86.00	87.00	1.00		AGD	16619			2.17	0.21	310	380	59	> 1000	
			87.00	88.00	1.00		AGD	16620			0.69	0.02	285	66	4	70	
			88.00	89.00	1.00		AGD	16621			1.04	0.04	640	84	98	500	
			89.00	90.00	1.00		AGD	16622			0.66	0.03	240	91	34	28	
			90.00	92.00	2.00		AGD	16623			0.38	< 0.02	170	11	11	6	
			92.00	94.00	2.00		AGD	16624			0.43	0.04	160	30	45	> 1000	
			94.00	96.00	2.00		AGD	16625			0.15	< 0.02	68	9	22	23	
			96.00	98.00	2.00		AGD	16626			0.20	0.02	135	25	14	800	

PROPERTY LOGAN D.D.H. 86 -L- 11 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 145.39m
 CLAIM: LOGAN 3 NORTHING: 223.9 DATE STARTED: AUGUST 20 1986
 SECTION: 395 E EASTING: 394.02 DATE FINISHED: AUGUST 29 1986
 CORE SIZE: NQ ELEVATION: 1383.8 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 63 % CORE STORED AT: LOGAN ' PROE. LOGGED BY: K. MEIDAI
 COMMENTS: Hole L-11 was drilled to test an IP anomaly and to test the continuity of mineralization found in hole L-3. Three zones, totalling 90m of stockwork mineralization were intersected. The hole was terminated after drilling 15m of barren ground.
UTM COORDINATES: NORTHING 6708529.7 EASTING 419740.8
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	3.66	3.66		QB										
60.05	-62.00°	177.59°	3.66	7.57	3.91		MQV										
145.39	-62.00°	175.59°	7.57	38.44	30.87		AGD										
			38.44	38.91	0.47		MQV										
			38.91	43.07	4.16		AGD										
			43.07	43.89	0.82		MQV										
			43.89	46.00	2.11		AGD										
			46.00	48.14	2.14		MQV										
			48.14	87.10	38.96		AGD										
			87.10	93.27	6.17		FD										
			93.27	104.10	10.83		AGD										
			104.10	111.05	6.95		SCH										
			111.05	131.00	19.95		AGD										
			131.00	132.89	1.89		FD										
			132.89	138.00	5.11		FD+GM										
			138.00	145.39	7.39		AGD										
ASSAYS AND ANALYSES																	
			4.00	6.00	2.00		MQV	16627			0.05	1.39	610	500	386	> 1000	
			6.00	7.00	1.00		MQV	16628			0.12	1.24	81	152	318	> 1000	
			7.00	8.00	1.00		MQV	16629			0.07	0.55	120	360	158	> 1000	
			8.00	9.00	1.00		AGD	16630			0.12	0.39	150	360	167	> 1000	
			9.00	10.00	1.00		AGD	16631			0.02	0.10	205	67	55	1000	
			10.00	11.00	1.00		AGD	16632			0.03	0.03	245	188	105	> 1000	
			11.00	12.00	1.00		AGD	16633			0.08	0.44	645	700	425	> 1000	
			12.00	14.00	2.00		AGD	16634			1.72	1.17	255	6100	118	> 1000	
			14.00	15.00	1.00		AGD	16635			0.22	0.20	215	2600	60	> 1000	
			15.00	16.00	1.00		AGD	16636			0.38	0.32	185	2050	85	> 1000	
CONTINUED																	

PROPERTY LOGAN D.D.H. L 86 - 11 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	VALUES BELOW IN PPM UNLESS NOTED						Au oz/t
											Zn %	Ag oz/t	Sn	Cu	Pb	As	
			16.00	17.00	1.00		AGD	16637			0.18	0.24	275	2900	146	1000	
			17.00	18.00	1.00		AGD	16638			0.92	0.76	300	1350	4500	1000	
			18.00	19.00	1.00		AGD	16639			1.80	1.41	445	500	7800	>1000	
			19.00	20.00	1.00		AGD	16640			0.03	0.16	235	186	154	>1000	
			20.00	22.00	2.00		AGD	16641			0.23	0.27	195	450	230	>1000	
			22.00	24.00	2.00		AGD	16642			0.05	0.26	147	115	64	800	
			24.00	26.00	2.00		AGD	16643			0.11	0.03	49	220	136	1000	
			26.00	28.00	2.00		AGD	16644			0.06	0.06	8	152	56	500	
			28.00	30.00	2.00		AGD	16645			0.19	0.06	125	520	90	350	
			30.00	32.00	2.00		AGD	16646			0.23	0.08	135	154	112	>1000	
			32.00	34.00	2.00		AGD	16647			0.21	0.25	115	235	102	800	
			34.00	36.00	2.00		AGD	16648			1.01	0.05	130	210	78	500	
			36.00	37.00	1.00		AGD	16649			1.34	0.21	250	270	98	>1000	
			37.00	38.00	1.00		AGD	16650			0.68	0.03	185	87	23	250	
			38.00	39.00	1.00		AGD	16651			5.12	1.85	310	9800	67	250	
			39.00	40.00	1.00		AGD	16652			4.00	0.29	300	2050	19	1000	
			40.00	41.00	1.00		AGD	16653			2.60	0.19	270	600	58	>1000	
			41.00	42.00	1.00		AGD	16654			1.77	0.32	380	1100	21	>1000	
			42.00	43.00	1.00		AGD	16655			1.16	0.06	420	145	22	38	
			43.00	44.00	1.00		MOV	16656			5.65	1.90	175	2150	157	>1000	
			44.00	45.00	1.00		AGD	16657			1.28	0.09	360	345	85	>1000	
			45.00	46.00	1.00		AGD	16658			0.80	0.04	265	140	31	1000	
			46.00	47.00	1.00		MOV	16659			4.40	0.54	400	1160	58	>1000	
			47.00	48.00	1.00		MOV	16660			1.50	1.00	205	1270	405	>1000	
			48.00	49.00	1.00		AGD	16661			2.04	0.77	505	1100	287	>1000	
			49.00	50.00	1.00		AGD	16662			0.88	0.04	255	87	88	>1000	
			50.00	52.00	2.00		AGD	16663			0.72	0.03	220	86	43	>1000	
			52.00	54.00	2.00		AGD	16664			0.74	0.02	230	57	60	21	
			54.00	56.00	2.00		AGD	16665			1.06	0.06	195	73	89	82	
			56.00	58.00	2.00		AGD	16666			1.02	0.05	200	117	79	13	
			58.00	60.00	2.00		AGD	16667			0.49	0.02	105	31	105	24	

CONTINUED

PROPERTY LOGAN D.D.H. L 86 - 11 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
VALUES BELOW IN PPM UNLESS NOTED																	
			60.00	62.00	2.00		AGD	16668			1.27	0.11	250	400	163	35	
			62.00	64.00	2.00		AGD	16669			0.40	0.02	110	20	28	11	
			64.00	66.00	2.00		AGD	16670			0.65	0.02	170	53	50	6	
			66.00	68.00	2.00		AGD	16671			0.99	0.04	265	86	202	> 1000	
			68.00	70.00	2.00		AGD	16672			0.98	0.09	170	50	104	25	
			70.00	72.00	2.00		AGD	16673			0.44	0.03	80	9	195	4	
			72.00	74.00	2.00		AGD	16674			0.32	0.02	73	5	230	3	
			74.00	76.00	2.00		AGD	16675			0.65	0.05	195	63	140	110	
			76.00	78.00	2.00		AGD	16676			0.99	0.05	235	87	113	8	
			78.00	80.00	2.00		AGD	16677			0.94	0.04	170	75	297	80	
			80.00	82.00	2.00		AGD	16678			0.40	0.09	27	4	375	4	
			94.00	96.00	2.00		AGD	16679			0.71	0.05	215	72	124	11	
			96.00	97.00	1.00		AGD	16680			0.78	0.03	175	64	361	42	
			97.00	98.00	1.00		AGD	16681			0.86	0.05	155	88	353	41	
			98.00	99.00	1.00		AGD	16682			1.15	0.05	425	112	195	> 1000	
			99.00	100.00	1.00		AGD	16683			1.42	0.11	940	143	234	> 1000	
			100.00	102.00	2.00		AGD	16684			0.80	0.05	220	50	111	78	
			102.00	104.00	2.00		AGD	16685			0.47	0.03	105	61	102	14	
			104.00	106.00	2.00		SCH	16686			0.44	0.03	120	56	92	18	
			110.00	112.00	2.00		SCH	16687			0.51	0.02	165	30	27	< 2	
			112.00	114.00	2.00		AGD	16688			0.37	0.02	91	25	43	12	
			114.00	118.00	4.00		AGD	16689			0.78	0.12	210	134	137	25	
			118.00	120.00	2.00		AGD	16690			0.63	0.44	190	138	184	13	
			120.00	124.00	4.00		AGD	16691			1.22	0.66	280	370	256	11	
			124.00	125.00	1.00		AGD	16692			1.60	0.17	215	177	122	160	
			125.00	126.00	1.00		AGD	16693			0.64	0.03	160	69	16	160	
			126.00	127.00	1.00		AGD	16694			0.82	0.22	295	720	14	52	
			127.00	128.00	1.00		AGD	16695			0.74	0.05	160	96	9	200	
			128.00	129.00	1.00		AGD	16696			0.60	0.02	185	67	6	500	
			129.00	131.00	2.00		AGD	16697			0.48	0.03	180	133	13	200	
			131.00	133.00	2.00		FD	16698			0.05	< 0.02	5	16	13	> 1000	

CONTINUED

CORDELLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 86 -L- 12 PAGE 1 OF 2

AREA: EAST ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 102.41m

CLAIM: LOGAN 88 NORTHING: 144.2 DATE STARTED: AUGUST 11D 1986

SECTION: 2108 E EASTING: 2084.39 DATE FINISHED: AUGUST 12D 1986

CORE SIZE: NQ ELEVATION: 1312.84 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 52 % CORE STORED AT: LOGAN PROP. LOGGED BY: K. MEIDAL

COMMENTS: Hole L-12 was drilled to test IP and geochemical anomalies in the East Zone. Approximately 40m of poorly mineralized stockwork was intersected.
The hole was terminated after advancing through 45m of poorly mineralized ground.

UTM COORDINATES: NORTHING 6709416.8 EASTING 421181.9

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int(m)	T.W(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	1.83	1.83		DB											
41.45	-62.00°	175.59°	1.83	15.00	13.17		AGD											
81.08	-62.00°	175.59°	15.00	27.10	12.10		SAGD											
			27.10	34.00	6.90		MQV											
			34.00	35.50	1.50		QV											
			35.50	46.48	10.98		FQP											
			46.48	47.37	0.89		QV											
			47.37	57.76	10.39		FQP											
			57.76	70.00	12.24		SAGD											
			70.00	83.36	13.36		SCH											
			83.36	102.41	19.05		AGD											
ASSAYS AND ANALYSES																		
			13.00	15.00	2.00		AGD	16702			0.10	0.02	5	4	87	2		
			15.00	17.00	2.00		SAGD	16703			0.06	0.02	100	8	93	4		
			17.00	19.00	2.00		SAGD	16704			0.22	0.02	165	11	66	3		
			19.00	21.00	2.00		SAGD	16705			0.25	0.02	110	5	25	2		
			21.00	22.00	1.00		SAGD	16706			0.31	0.06	83	73	151	300		
			22.00	23.00	1.00		SAGD	16707			0.34	0.02	64	18	104	4		
			23.00	24.00	1.00		SAGD	16708			0.21	0.02	97	5	38	3		
			24.00	25.00	1.00		SAGD	16709			0.12	0.02	135	4	22	2		
			25.00	26.00	1.00		SAGD	16710			0.81	0.25	120	58	1125	57		
			26.00	27.00	1.00		SAGD	16711			0.29	0.05	47	42	570	70		
			27.00	28.00	1.00		MQV	16712			0.29	0.12	45	34	1480	450		
			28.00	30.00	2.00		MQV	16713			0.12	0.02	110	10	42	220		
			30.00	31.00	1.00		MQV	16714			0.07	0.02	97	4	132	>1000		
			31.00	32.00	1.00		MQV	16715			0.03	0.06	46	3	292	>1000		
			32.00	34.00	2.00		MQV	16716			0.04	0.12	18	5	163	>1000		
CONTINUED																		

PROPERTY LOGAN D.D.H. L 86 - 12 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int(m)	T.V(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			34.00	35.00	1.00		QV	16717			0.02	0.02	35	4	80	>1000	
			35.00	36.00	1.00		QV	16718			0.06	0.03	55	8	112	700	
			36.00	37.00	1.00		FQP	16719			0.76	0.03	145	57	28	26	
			37.00	38.00	1.00		FQP	16720			0.33	0.02	100	29	41	6	
			38.00	39.00	1.00		FQP	16721			0.07	0.02	465	4	8	4	
			39.00	40.00	1.00		FQP	16722			0.07	0.02	64	4	12	6	
			40.00	41.00	1.00		FQP	16723			0.18	0.04	79	21	38	26	
			41.00	42.00	1.00		FQP	16724			0.14	0.03	77	20	22	36	
			42.00	44.00	2.00		FQP	16725			0.02	0.06	49	15	37	250	
			44.00	45.00	1.00		FQP	16726			0.05	0.03	68	10	21	600	
			45.00	46.00	1.00		FQP	16727			0.03	0.02	100	54	21	>1000	
			46.00	47.00	1.00		QZ	16728			0.02	0.02	74	52	25	>1000	
			47.00	48.00	1.00		FQP	16729			0.04	0.02	63	19	8	160	
			48.00	49.00	1.00		FQP	16730			0.62	0.03	135	36	43	48	
			49.00	50.00	1.00		FQP	16731			0.53	0.04	73	25	600	46	
			50.00	51.00	1.00		FQP	16732			0.22	0.02	88	10	113	21	
			51.00	52.00	1.00		FQP	16733			0.42	0.02	56	10	82	6	
			52.00	53.00	1.00		FQP	16734			0.15	0.02	46	4	22	6	
			53.00	54.00	1.00		FQP	16735			0.22	0.02	53	8	29	3	
			54.00	55.00	1.00		FQP	16736			0.20	0.02	52	9	22	3	
			55.00	57.00	2.00		FQP	16737			0.28	0.02	67	15	40	250	
			57.00	58.00	1.00		FQP	16738			0.25	0.09	30	12	925	70	
			58.00	60.00	2.00		SAGD	16739			0.40	0.03	55	11	99	55	
			60.00	63.00	3.00		SAGD	16740			0.55	0.02	115	10	74	25	
			63.00	64.00	1.00		SAGD	16741			0.20	0.02	44	11	263	500	
			64.00	65.00	1.00		SAGD	16742			0.09	0.02	6	17	70	13	
			65.00	66.00	1.00		SAGD	16743			0.10	0.02	5	5	132	11	
			66.00	70.00	4.00		SAGD	16744			0.22	0.02	13	17	76	100	
			70.00	72.00	2.00		SCH	16745			0.85	0.02	7	11	21	11	

PROPERTY LOGAN D.D.H. 86 -L- 13 PAGE 1 OF 2

AREA: EAST ZONE DIP: -60° AZIMUTH (I): 180.59° DEPTH: 112.78m
 CLAIM: LOGAN 87 NORTHING: 213.66
 SECTION: 2215 E EASTING: 2185.55 DATE STARTED: AUGUST 13D 1986
 CORE SIZE: NQ ELEVATION: 1303.1 m DATE FINISHED: AUGUST 15D 1986
 CORE RECOVERY: 49 % CORE STORED AT: LOGAN PROP. CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 COMMENTS: The hole was drilled to test IP and geochemical anomalies and to test the continuity of mineralization intersected in hole L-12. 34m of low grade stockwork mineralization was intersected. The hole was abandoned due to bad ground while still within the stockwork mineralized zone.
 UTM COORDINATES: NORTHING 6709531.2 EASTING 421226.3
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int(m)	T.W(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	2.44	2.44		OB											
93.57	-60.00°	175.59°	2.44	14.81	12.37		AGD											
			14.81	17.37	2.56		SCH											
			17.37	18.69	1.32		AGD											
			18.69	22.12	3.43		GM											
			22.12	24.24	2.12		AGD											
			24.24	31.91	7.67		SCH											
			31.91	33.86	1.95		AGD											
			33.86	38.10	4.24		SCH											
			38.10	42.84	4.74		AGD											
			42.84	43.67	0.83		SCH											
			43.67	45.50	1.83		AGD											
			45.50	67.40	21.90		SCH											
			67.40	74.15	6.75		SAGD											
			74.15	82.43	8.28		AGD											
			82.43	85.95	3.52		GM											
			85.95	96.00	10.05		FQP											
			96.00	98.10	2.10		GM											
			98.10	112.78	14.68		FQP											
ASSAYS AND ANALYSES																		
			17.40	18.40	1.00		AGD	16746			< 0.01	< 0.02	7	4	27	2		
			18.40	19.40	1.00		GM	16747			0.04	< 0.02	< 5	25	120	18		
			19.40	20.40	1.00		GM	16748			0.01	< 0.02	6	8	43	2		
			20.40	21.40	1.00		GM	16749			0.01	< 0.02	< 5	22	38	6		
			21.40	22.40	1.00		GM	16750			0.01	< 0.02	8	4	74	2		
			67.40	69.40	2.00		SAGD	16751			0.07	0.04	8	18	130	6		
			69.40	71.40	2.00		SAGD	16752			0.24	0.14	38	20	350	6		
CONTINUED																		

PROPERTY LOGAN D.D.H. L 26 - 13 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	In (m)	T. W (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			71.40	73.40	2.00		SAGD	16753			0.18	0.05	20	9	290	6	
			73.40	75.40	2.00		AGD	16754			0.17	0.05	27	10	490	21	
			75.40	77.40	2.00		AGD	16755			0.28	0.06	155	52	135	11	
			77.40	78.40	1.00		AGD	16756			0.36	0.03	140	10	90	2	
			78.40	79.40	1.00		AGD	16757			0.36	0.06	110	11	380	200	
			79.40	80.40	1.00		AGD	16758			0.28	0.03	71	6	360	51	
			80.40	81.40	1.00		AGD	16759			0.02	0.02	60	4	10	78	
			81.40	82.40	1.00		SAGD	16760			0.75	0.32	67	30	2500	> 1000	
			82.40	83.40	1.00		GM	16761			0.08	0.02	145	7	14	500	
			83.40	84.40	1.00		GM	16762			0.08	0.02	145	17	22	110	
			84.40	85.40	1.00		GM	16763			0.07	0.03	70	80	52	700	
			85.40	89.00	3.60		FQP	16764			0.34	0.02	99	30	37	210	
			89.00	90.00	1.00		FQP	16765			0.02	0.02	42	62	11	300	
			90.00	91.00	1.00		FQP	16766			0.03	0.02	140	2	4	80	
			91.00	92.00	1.00		FQP	16767			0.04	0.02	205	4	8	> 1000	
			92.00	96.00	4.00		FQP	16768			0.62	0.03	205	49	76	> 1000	
			96.00	98.00	2.00		GM	16769			0.42	0.06	170	124	120	> 1000	
			98.00	100.00	2.00		FQP	16770			0.10	0.02	95	25	120	> 1000	
			100.00	101.00	1.00		FQP	16771			0.12	0.02	105	26	85	> 1000	
			101.00	104.00	3.00		FQP	16772			0.05	0.02	88	16	29	> 1000	
			104.00	106.00	2.00		FQP	16773			0.14	0.02	150	10	10	52	
			106.00	107.00	1.00		FQP	16774			0.64	0.05	240	26	22	12	
			107.00	109.00	2.00		FQP	16775			0.63	0.04	345	140	48	11	
			109.00	112.78	3.78		FQP	16776			0.56	0.03	195	28	44	30	

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L. 86 - 14 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	In (m)	T. Y (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			52.00	53.00	1.00		AGD	17480			11.00	0.79	300	1600	258	52	
			53.00	54.00	1.00		AGD	17481			1.60	0.14	320	144	57	11	
			54.00	56.00	2.00		AGD	17482			0.75	0.16	540	126	374	140	
			56.00	56.50	0.50		AGD	17483			1.30	0.05	920	90	45	800	
			56.50	58.00	1.50		AGD	17484			6.60	0.71	250	420	166	400	
			58.00	61.50	3.50		AGD	17485			1.37	0.25	210	66	187	> 1000	
			61.50	63.00	1.50		AGD	17486			0.20	0.04	155	13	16	46	
			63.00	66.00	3.00		AGD	17487			0.59	0.05	180	40	24	120	
			66.00	68.00	2.00		AGD	17488			0.68	0.07	175	78	43	4	
			68.00	69.00	1.00		AGD	17489			1.03	0.09	145	84	173	53	
			69.00	70.00	1.00		AGD	17490			6.95	0.78	320	320	185	> 1000	
			70.00	71.00	1.00		AGD	17491			1.38	0.14	350	91	37	26	
			71.00	72.00	1.00		AGD	17492			1.10	0.05	395	55	21	110	
			72.00	73.00	1.00		AGD	17493			1.65	0.16	330	104	95	24	
			73.00	74.00	1.00		AGD	17494			0.95	0.04	175	40	14	35	
			74.00	75.00	1.00		AGD	17495			1.27	0.05	255	72	10	34	
			75.00	76.00	1.00		AGD	17496			0.92	0.04	145	48	9	18	
			76.00	77.00	1.00		AGD	17497			0.99	0.07	265	74	43	110	
			77.00	78.00	1.00		AGD	17498			4.70	0.58	220	460	116	> 1000	
			78.00	79.00	1.00		AGD	17499			3.30	0.38	160	340	78	45	
			79.00	80.00	1.00		AGD	17500			0.20	0.02	195	10	4	< 2	
			80.00	81.00	1.00		AGD	17501			0.62	0.03	220	26	13	19	
			81.00	81.50	0.50		AGD	17502			28.00	2.72	320	1080	785	300	
			81.50	82.50	1.00		AGD	17503			1.80	0.07	385	90	17	6	
			82.50	83.00	0.50		MQV	17504			6.65	1.98	130	178	455	47	
			83.00	84.00	1.00		MQV	17505			1.71	0.20	225	104	619	58	
			84.00	85.00	1.00		MQV	17506			14.15	2.83	150	730	665	> 1000	
			85.00	86.00	1.00		MQV	17507			13.20	2.53	170	920	500	> 1000	
			86.00	88.50	2.50		MQV	17508			4.90	0.70	360	360	366	410	
			88.50	90.00	1.50		AGD	17509			1.35	0.08	275	79	35	6	
			90.00	93.50	3.50		AGD	17510			10.20	1.56	200	480	440	120	

CONTINUED

PROPERTY LOGAN D.D.H. L. 86 - 14 PAGE 4 OF 5

AREA: _____ CLAIM: _____ SECTION: _____ CORE SIZE: _____ CORE RECOVERY: _____ COMMENTS: _____
 DIP: _____ NORTHING: _____ EASTING: _____ ELEVATION: _____
 AZIMUTH (t): _____ DATE STARTED: _____ DATE FINISHED: _____
 DEPTH: _____ CONTRACTOR: _____ LOGGED BY: _____
 CORE STORED AT: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int (m)	T. (%)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			93.50	96.00	2.50		AGD	17511			3.52	1.17	205	260	495	120		
			96.00	101.00	5.00		AGD	17512			3.95	0.63	500	260	218	> 1000		
			101.00	102.50	1.50		AGD	17513			10.80	2.71	250	500	1300	600		
			102.50	105.00	2.50		AGD	17514			3.10	1.72	960	340	1230	700		
			105.00	106.00	1.00		AGD	17515			1.75	0.08	1700	72	49	160		
			106.00	107.00	1.00		AGD	17516			2.30	0.34	850	260	290	600		
			107.00	108.00	1.00		AGD	17517			5.30	1.19	20	169	238	70		
			108.00	109.00	1.00		AGD	17518			4.90	0.89	240	250	191	18		
			109.00	110.00	1.00		AGD	17519			2.90	0.51	115	110	410	800		
			110.00	111.00	1.00		FD	17520			1.90	0.45	875	280	231	57		
			111.00	112.00	1.00		FD	17521			4.20	0.45	1600	280	1095	48		
			112.00	113.00	1.00		FD	17522			1.90	0.65	505	132	229	120		
			113.00	114.00	1.00		FD	17523			2.60	0.45	445	113	720	90		
		→	114.00	116.00	2.00	} 3.0	FD	17524		} 10.32	9.40	0.79	670	560	304	> 1000		
			116.00	117.00	1.00		AGD	17525			12.20	0.70	3000	420	290	> 1000		
			117.00	118.00	1.00		AGD	17526			4.75	0.26	210	116	112	210		
			118.00	119.00	1.00		AGD	17527			2.62	0.33	1450	180	117	> 1000		
			119.00	121.00	2.00		AGD	17528			1.92	0.20	255	91	122	800		
			121.00	124.00	3.00		AGD	17529			2.10	0.19	610	101	139	> 1000		
			124.00	125.50	1.50		AGD	17530			3.68	0.13	300	72	90	90		
			127.00	128.00	1.00		AGD	17531			4.55	0.23	300	125	560	550		
			128.00	129.00	1.00		AGD	17532			4.05	0.17	470	143	59	21		
		→	129.00	131.00	2.00	} 8.0	MQV	17533		} 16.05	7.25	0.54	1700	270	241	51		
			131.00	132.00	1.00		MQV	17534			16.80	2.64	600	4000	1595	> 1000		
			132.00	132.50	0.50		MQV	17535			22.00	2.78	400	3600	2480	800		
			132.50	133.00	0.50		MQV	17536			2.70	3.26	340	6000	1760	800		
			133.00	136.00	3.00	} 7m	FD	17537			20.25	2.07	350	2800	610	> 1000		
			138.00	139.00	1.00		FD	17538			24.00	0.15	200	220	168	250		
			139.00	141.00	2.00		GM+FD	17539			2.94	0.23	315	580	139	48		
			141.00	143.00	2.00		GM+FD	17540			2.24	0.05	250	106	39	21		
			143.00	145.00	2.00		GM+FD	17541			0.48	0.03	76	74	61	210		

CONTINUED

PROPERTY LOGAN D.D.H. L. 86 - 14 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA **GEOLOGY AND ASSAY RECORD** ; VALUES BELOW IN PPM UNLESS NOTED ;

Depth	Dip	Az (I)	From(m)	To(m)	Ir(m)	T.Y%	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			145.00	147.00	2.00		GM+FD	17542			0.59	0.05	38	280	92	400	
			147.00	149.00	2.00		GM+FD	17543			0.67	0.04	73	56	54	50	
			149.00	151.00	2.00		FDBX	17544			0.96	0.10	200	89	68	110	
			151.00	153.00	2.00		FDBX	17545			1.86	< 0.02	215	140	99	110	
			153.00	154.00	1.00		FDBX	17546			0.84	< 0.02	130	23	164	48	
			154.00	156.00	2.00		QV	17547			0.32	0.03	61	13	184	210	
			156.00	156.67	0.67		QV	17548			0.29	< 0.02	24	14	23	130	
							AVERAGES										
			131.00	139.00	8.00						16.90	1.78					
			126.00	139.00	13.00						12.33	1.21					
			111.00	139.00	28.00						7.74	0.74					
			18.00	156.67	138.67						3.65	0.49					
			52.00	139.00	87.00						5.04	0.69					

PROPERTY	LOGAN		D.D.H.	86 -L- 15		PAGE	1	OF	7
AREA:	MAIN ZONE		DIP:	-60°	AZIMUTH (t):	180.59°		DEPTH:	220.67m
CLAIM:	LOGAN 2		NORTHING:	277.09		DATE STARTED:	AUGUST 20D 1986		
SECTION:	5 W		EASTING:	-4.81		DATE FINISHED:	AUGUST 23N 1986		
CORE SIZE:	NQ		ELEVATION:	1381.2 m		CONTRACTOR:	ARCTIC DIAMOND DRILLING LTD		
CORE RECOVERY:	92 %		CORE STORED AT:	LOGAN PROF.		LOGGED BY:	PAUL DONKERSLOOT		
COMMENTS:	The hole was drilled to test for continuity of mineralization intersected in hole L-5. Approximately 120m of stockwork mineralization was intersected The hole was terminated after 37m of ground with minimal mineralization was drilled.								
UTM COORDINATES: NORTHING 6708348.8 EASTING 419381.4									
NOTE: All azimuths are set relative to grid north - 324.41° TN									

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	3.05	3.05		UB											
70.10	-60.00°	176.59°	3.05	69.38	66.33		AGD											
115.82	-60.00°	175.59°	69.38	71.40	2.02		GM											
171.30	-60.50°	173.59°	71.40	74.16	2.76		AGD											
213.97	-62.00°	175.59°	74.16	75.28	1.12		GM											
			75.28	82.91	7.63		AGD											
			82.91	86.90	3.99		MQV											
			86.90	89.90	3.00		AGD											
			89.90	94.00	4.10		MQV											
			94.00	96.80	2.80		AGD											
			96.80	101.72	4.92		MQV											
			101.72	120.50	18.78		AGD											
			120.50	122.38	1.88		FD											
			122.38	154.90	32.52		AGD											
			154.90	161.80	6.90		MQV											
			161.80	163.84	2.04		DIBX											
			163.84	164.60	0.76		AGD											
			164.60	174.40	9.80		FD											
			174.40	185.10	10.70		AGD											
			185.10	187.65	2.55		GM											
			187.65	194.80	7.15		AGD											
			194.80	195.85	1.05		SCH											
			195.85	206.85	11.00		AGD											
			206.85	220.67	13.82		SAGD											
ASSAYS AND ANALYSES																		
			18.00	19.00	1.00		AGD	17349			0.04	< 0.02	< 5	< 1	10		2	
			19.00	20.00	1.00		AGD	17550			0.27	< 0.02	72	16	14		6	
CONTINUED																		

PROPERTY LOGAN D.D.H. L 86 - 15 PAGE 2 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			20.00	21.00	1.00		AGD	17551			0.32	0.02	68	15	84	26	
			21.00	22.00	1.00		AGD	17552			0.23	< 0.02	150	90	530	57	
			22.00	23.00	1.00		AGD	17553			0.82	0.13	120	244	125	11	
			23.00	25.00	2.00		AGD	17554			0.53	< 0.02	66	10	55	17	
			25.00	27.00	2.00		AGD	17555			0.41	< 0.02	60	8	26	12	
			27.00	28.00	1.00		AGD	17556			0.56	< 0.02	< 5	< 1	16	2	
			28.00	29.00	1.00		AGD	17557			1.60	0.08	215	124	110	1000	
			29.00	30.00	1.00		AGD	17558			0.75	0.05	130	108	92	130	
			30.00	31.00	1.00		AGD	17559			0.24	< 0.02	6	< 1	16	3	
			31.00	33.00	2.00		AGD	17560			0.03	< 0.02	11	< 1	8	2	
			42.50	43.50	1.00		AGD	17561			0.24	< 0.02	25	2	20	2	
			43.50	44.50	1.00		AGD	17562			0.89	0.03	145	39	46	2	
			44.50	45.50	1.00		AGD	17563			0.06	< 0.02	13	< 1	30	3	
			51.00	53.00	2.00		AGD	17564			0.02	< 0.02	5	< 1	10	2	
			53.00	55.00	2.00		AGD	17565			0.10	< 0.02	20	2	13	3	
			55.00	57.00	2.00		AGD	17566			0.27	0.07	140	13	1680	6	
			57.00	59.00	2.00		AGD	17567			0.20	0.05	200	86	130	70	
			59.00	61.00	2.00		AGD	17568			0.34	0.02	105	27	64	75	
			61.00	63.00	2.00		AGD	17569			0.12	0.08	220	208	78	1000	
			63.00	65.00	2.00		AGD	17570			0.08	0.04	185	118	38	170	
			65.00	67.00	2.00		AGD	17571			0.07	< 0.02	110	76	46	120	
			67.00	69.00	2.00		AGD	17572			0.08	< 0.02	75	35	50	13	
			69.00	71.00	2.00		GM	17573			0.32	< 0.02	110	19	56	4	
			71.00	72.00	1.00		AGD	17574			0.65	< 0.02	125	53	62	4	
			72.00	73.00	1.00		AGD	17575			0.64	0.04	130	32	36	6	
			73.00	74.00	1.00		AGD	17576			0.67	< 0.02	155	44	32	4	
			74.00	75.00	1.00		GM	17577			3.20	0.88	220	1320	420	160	
			75.00	76.00	1.00		AGD	17578			1.24	0.08	160	86	480	51	
			76.00	77.00	1.00		AGD	17579			2.40	0.48	365	540	900	1000	
			77.00	78.00	1.00		AGD	17580			1.31	0.53	1040	376	460	1000	
			78.00	79.00	1.00		AGD	17581			0.32	0.05	790	26	86	1000	

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PROPERTY LOGAN D.D.H. L 86 - 15 PAGE 3 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			79.00	80.00	1.00		AGD	17582			4.20	0.30	280	188	112	41	
			80.00	81.00	1.00		AGD	17583			1.14	0.15	205	220	62	300	
			81.00	82.00	1.00		AGD	17584			10.90	2.38	200	226	620	800	
			82.00	83.00	1.00		AGD	17585			6.55	0.24	155	208	88	1000	
			83.00	84.00	1.00		MGV	17586			5.35	0.78	240	480	360	1000	
			84.00	84.50	0.50		MGV	17587			2.30	0.44	3400	380	55	1000	
			84.50	85.00	0.50		MGV	17588			1.55	0.61	370	930	80	400	
			85.00	85.50	0.50		MGV	17589			16.60	0.91	570	620	96	1000	
			85.50	86.00	0.50		MGV	17590			13.25	1.01	820	560	280	1000	
			86.00	87.00	1.00		MGV	17591			1.56	1.02	155	295	420	800	
			87.00	88.00	1.00		AGD	17592			0.73	0.21	145	133	360	150	
			88.00	89.00	1.00		AGD	17593			0.82	0.12	170	110	680	100	
			89.00	90.00	1.00		AGD	17594			1.36	0.17	310	174	220	250	
			90.00	90.50	0.50		MGV	17595			4.07	1.37	350	750	640	300	
			90.50	91.00	0.50		MGV	17596			6.75	0.67	700	470	1160	600	
			→ 91.00	91.50	0.50		MGV	17597			12.30	1.54	160	1400	260	400	
			91.50	92.00	0.50		MGV	17598			29.58	2.50	350	920	360	1000	
			92.00	92.50	0.50		MGV	17599		13.95	11.70	1.38	650	680	260	1000	
			92.50	93.00	0.50		MGV	17600			13.40	1.37	370	1200	200	1000	
			93.00	93.50	0.50		MGV	17601			12.90	1.65	750	2200	260	110	
			93.50	94.00	0.50		MGV	17602			8.90	0.75	380	500	154	1000	
			94.00	95.00	1.00		AGD	17603			0.82	0.21	125	162	104	45	
			95.00	95.50	0.50		AGD	17604			3.15	1.33	92	392	260	210	
			95.50	96.00	0.50		AGD	17605			16.40	0.57	230	700	146	210	
			96.00	96.50	0.50		AGD	17606			2.35	0.07	155	108	92	31	
			96.50	97.00	0.50		AGD	17607			2.05	0.24	160	372	184	210	
			97.00	97.50	0.50		MGV	17608			2.10	0.28	325	490	250	160	
			97.50	98.00	0.50		MGV	17609			5.50	0.86	225	1170	88	400	
			98.00	98.50	0.50		MGV	17610			5.55	0.56	450	420	200	1000	
			98.50	99.00	0.50		MGV	17611			4.80	0.99	700	1110	330	1000	
			99.00	99.50	0.50		MGV	17612			7.25	0.43	140	340	164	700	
								CONTINUED									

PROPERTY LOGAN D.D.H. L 86 - 15 PAGE 4 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			99.50	100.00	0.50		MQV	17613			3.05	1.78	290	460	430	450		
			100.00	100.50	0.50		MQV	17614			5.15	1.50	165	940	300	110		
			100.50	101.00	0.50		MQV	17615			16.45	2.86	450	3800	450	1000		
			101.00	101.50	0.50		MQV	17616			11.80	1.29	250	990	320	1000		
			101.50	102.00	0.50		AGD	17617			5.95	0.42	360	620	132	1000		
			102.00	103.00	1.00		AGD	17618			6.80	0.16	900	209	108	1000		
			103.00	104.00	1.00		AGD	17619			3.40	0.36	500	226	370	1000		
			104.00	105.00	1.00		AGD	17620			1.86	0.17	960	160	180	1000		
			105.00	106.00	1.00		AGD	17621			3.00	0.33	3000	300	156	1000		
			106.00	107.00	1.00		AGD	17622			3.30	0.23	1300	364	220	1000		
			107.00	108.00	1.00		AGD	17623			2.70	0.10	415	163	88	240		
			108.00	109.00	1.00		AGD	17624			3.45	0.15	425	208	108	1000		
			109.00	110.00	1.00		AGD	17625			7.45	0.30	350	320	380	1000		
			110.00	111.00	1.00		AGD	17626			4.80	0.50	1100	252	166	1000		
			111.00	112.00	1.00		AGD	17627			1.15	0.30	2200	168	820	160		
			112.00	113.00	1.00		AGD	17628			1.07	0.07	3400	134	600	110		
			113.00	114.00	1.00		AGD	17629			0.71	0.04	800	118	96	48		
			114.00	115.00	1.00		AGD	17630			1.36	0.08	315	116	31	4		
			115.00	116.00	1.00		AGD	17631			1.13	0.05	330	80	15	28		
			116.00	117.00	1.00		AGD	17632			0.98	1.96	125	610	440	160		
			117.00	118.00	1.00		AGD	17633			1.16	0.08	650	130	190	42		
			118.00	119.00	1.00		AGD	17634			1.01	0.05	155	106	53	16		
			119.00	120.00	1.00		AGD	17635			0.63	< 0.02	260	22	10	3		
			120.00	121.00	1.00		FD	17636			8.50	0.77	1000	290	186	1000		
			121.00	122.00	1.00		FD	17637			3.25	0.04	850	156	98	90		
			122.00	123.00	1.00		AGD	17638			1.85	< 0.02	220	90	280	25		
			123.00	124.00	1.00		AGD	17639			1.40	< 0.02	205	70	18	11		
			124.00	126.00	2.00		AGD	17640			0.40	< 0.02	155	16	21	3		
			126.00	128.00	2.00		AGD	17641			0.81	< 0.02	205	32	15	2		
			128.00	129.00	1.00		AGD	17642			1.95	< 0.02	220	120	26	6		
			129.00	130.00	1.00		AGD	17643			3.35	0.29	205	292	168	20		
								CONTINUED										

PROPERTY: LOGAN D.D.H. L 86 - 15 PAGE 6 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int.(m)	T.W(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			162.00	163.00	1.00		DIBX	17675			0.62	< 0.02	33	38	41	300	
			163.00	164.00	1.00		DIBX	17676			1.52	0.14	2200	220	127	300	
			164.00	165.00	1.00		AGD	17677			2.05	0.14	275	104	260	43	
			165.00	166.00	1.00		FD	17678			1.80	0.20	320	240	700	62	
			166.00	167.00	1.00		FD	17679			1.43	< 0.02	440	154	360	44	
			167.00	168.00	1.00		FD	17680			2.25	0.30	275	420	540	120	
			168.00	169.00	1.00		FD	17681			3.10	0.18	215	284	410	14	
			169.00	170.00	1.00		FD	17682			2.15	0.09	250	148	500	17	
			170.00	171.00	1.00		FD	17683			2.25	< 0.02	330	200	920	35	
			171.00	172.00	1.00		FD	17684			1.52	0.02	260	130	660	56	
			172.00	173.00	1.00		FD	17685			1.38	< 0.02	185	62	360	27	
			173.00	174.00	1.00		FD	17686			4.20	0.51	200	500	280	48	
			174.00	175.00	1.00		AGD	17687			1.02	0.04	205	86	580	17	
			175.00	176.00	1.00		AGD	17688			0.56	0.04	175	33	47	11	
			176.00	177.00	1.00		AGD	17689			0.19	< 0.02	29	7	52	4	
			177.00	178.00	1.00		AGD	17690			0.63	0.08	235	45	30	11	
			178.00	179.00	1.00		AGD	17691			3.35	0.42	185	182	156	31	
			179.00	180.00	1.00		AGD	17692			2.45	0.16	130	84	88	4	
			180.00	181.00	1.00		AGD	17693			0.23	< 0.02	30	5	74	4	
			181.00	183.00	2.00		AGD	17694			0.73	< 0.02	200	83	30	28	
			183.00	185.00	2.00		AGD	17695			0.16	< 0.02	45	4	31	11	
			185.00	186.00	1.00		GM	17696			0.59	0.02	96	30	36	160	
			186.00	187.00	1.00		GM	17697			0.90	0.04	115	70	50	16	
			187.00	188.00	1.00		GM	17698			0.38	< 0.02	135	10	32	25	
			188.00	189.00	1.00		AGD	17699			1.19	< 0.02	220	40	30	78	
			189.00	191.00	2.00		AGD	17700			0.32	< 0.02	67	22	146	65	
			191.00	193.00	2.00		AGD	16781			0.50	0.05	96	54	36	25	
			193.00	195.00	2.00		AGD	16782			0.34	< 0.02	215	15	140	110	
			195.00	197.00	2.00		AGD	16783			0.82	0.03	210	48	260	45	
			197.00	199.00	2.00		AGD	16784			0.22	< 0.02	350	14	86	105	
			199.00	201.00	2.00		AGD	16785			0.35	< 0.02	140	8	72	14	
CONTINUED																	

PROPERTY LOGAN D.D.H. L 86 - 15 PAGE 7 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int.(m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			201.00	203.00	2.00		AGD	16786			0.12	< 0.02	65	2	60	6	
			203.00	205.00	2.00		AGD	16787			0.43	< 0.02	150	14	28	210	
			205.00	207.00	2.00		AGD	16788			0.05	< 0.02	82	1	32	2	
							AVERAGES										
			90.00	96.00	6.00						10.07	1.13					
			90.00	105.00	15.00						7.23	0.87					
			74.00	112.00	38.00						5.06	0.63					
			74.00	174.00	100.00						3.08	0.33					

PROPERTY LOGAN D.D.H. 87 -L- 16 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: -60° AZIMUTH (I): 170.59° DEPTH: 149.35m
 CLAIM: LOGAN 2 NORTHING: 216.59 DATE STARTED: JUNE 13D 1987
 SECTION: 5 W EASTING: -6.64 DATE FINISHED: JUNE 16D 1987
 CORE SIZE: NQ ELEVATION: 1373 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 83% CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-16 WAS DRILLED AS A SHALLOW INFILL IN BETWEEN HOLES L-5 AND L-15. HOLE L-16 WAS DRILLED TO BETTER DEFINE THE SHAPE OF AN ALREADY KNOWN MINERALIZED ZONE, STOCKWORK AND VEIN TYPE MINERALIZATION WAS INTERSECTED FROM 9.14 TO 106.00 (96.86m). THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 44m OF BARREN CORE, UTM COORDINATES: NORTHING 6708297.8 EASTING 419414.0
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00	170.59	0.00	9.14	9.14		OB											
12.80	-61.50	169.59	9.14	17.00	7.86		AGD											
71.63	-62.50	171.59	17.00	18.30	1.30		MQV											
144.78	-64.00	167.59	18.30	23.90	5.60		FD											
			23.90	24.75	0.85		MQV											
			24.75	25.76	1.01		AGD											
			25.76	27.85	2.09		MQV											
			27.85	42.74	14.89		AGD											
			42.74	46.08	3.34		MQV											
			46.08	51.60	5.52		FD											
			51.60	74.50	22.90		AGD											
			74.50	76.00	1.50		MQV											
			76.00	76.85	0.85		AGD											
			76.85	77.85	1.00		MQV											
			77.85	81.56	3.71		AGD											
			81.56	85.40	3.84		MQV											
			85.40	87.40	2.00		MQBX											
			87.40	90.75	3.35		DIBX											
			90.75	118.55	27.80		AGD											
			118.55	126.50	7.95		SAGD											
			126.50	149.35	22.85		AGD											
ASSAYS AND ANALYSES																		
			11.00	12.00	1.00		AGD	47501			4.80	0.73						
			12.00	13.00	1.00		AGD	47502			4.50	0.41						
			13.00	14.00	1.00		AGD	47503			3.40	0.22						
			14.00	15.00	1.00		AGD	47504			6.30	1.23						
			15.00	16.00	1.00		AGD	47505			11.11	1.92						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 16 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			46.00	47.00	1.00		FD	47537			4.80	0.79					
			47.00	48.00	1.00		FD	47538			4.10	0.28					
			48.00	49.00	1.00		FD	47539			2.72	0.19					
			49.00	50.00	1.00		FD	47540			3.26	0.38					
			50.00	51.00	1.00		FD	47541			3.80	0.09					
			51.00	52.00	1.00		FD	47542			1.00	0.25					
			52.00	53.00	1.00		AGD	47543			2.04	0.38					
			53.00	54.00	1.00		AGD	47544			1.32	0.18					
			54.00	55.00	1.00		AGD	47545			3.19	0.17					
			55.00	56.00	1.00		AGD	47546			2.61	0.13					
			56.00	57.00	1.00		AGD	47547			3.24	0.44					
			57.00	58.00	1.00		AGD	47548			4.60	0.35					
			58.00	59.00	1.00		AGD	47549			2.08	0.11					
			59.00	60.00	1.00		AGD	47550			1.08	0.03					
			60.00	61.00	1.00		AGD	47551			7.10	0.68					
			61.00	62.00	1.00		AGD	47552			1.50	0.05					
			62.00	63.00	1.00		AGD	47553			2.20	0.07					
			63.00	64.00	1.00		AGD	47554			3.56	0.08					
			64.00	65.00	1.00		AGD	47555			5.30	0.17					
			65.00	66.00	1.00		AGD	47556			11.12	1.10					
			66.00	67.00	1.00		AGD	47557			16.11	1.35					
			67.00	68.00	1.00		AGD	47558			3.90	0.14					
			68.00	69.00	1.00		AGD	47559			3.90	0.10					
			69.00	70.00	1.00		AGD	47560			2.14	0.08					
			70.00	71.00	1.00		AGD	47561			8.40	0.50					
			71.00	72.00	1.00		AGD	47562			2.94	0.05					
			72.00	73.00	1.00		AGD	47563			4.28	0.12					
			73.00	74.00	1.00		AGD	47564			6.68	0.25					
			74.00	75.00	1.00		MGV	47565			8.10	1.20					
			75.00	76.00	1.00		MGV	47566			5.70	1.84					
			76.00	77.00	1.00		AGD	47567			1.30	0.05					
								CONTINUED									

PROPERTY _____	LOGAN	D.D.H. _____	L 87 - 16	PAGE _____	4	OF _____	5
AREA: _____	DIP: _____	AZIMUTH (t): _____		DEPTH: _____			
CLAIM: _____	NORTHING: _____		DATE STARTED: _____				
SECTION: _____	EASTING: _____		DATE FINISHED: _____				
CORE SIZE: _____	ELEVATION: _____		CONTRACTOR: _____				
CORE RECOVERY: _____	CORE STORED AT: _____		LOGGED BY: _____				
COMMENTS: _____ _____ _____							

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t			
			77.00	78.00	1.00		MGV	47568			8.60	1.41								
			78.00	79.00	1.00		AGD	47569			2.31	0.21								
			79.00	80.00	1.00		AGD	47570			2.90	0.25								
			80.00	81.00	1.00		AGD	47571			5.83	1.24								
			81.00	81.50	0.50		AGD	47572			4.58	0.29								
			→ 81.50	82.00	0.50	} 4.5	MQV	47573			36.31	2.80	} 12.2							
			82.00	82.50	0.50		MQV	47574			9.72	1.44								
			82.50	83.00	0.50		MQV	47575		12.92	14.32	1.60								
			83.00	84.00	1.00		MQV	47576			10.40	0.63								
			84.00	85.00	1.00	MQV	47577			18.00	0.98									
			85.00	86.00	1.00	MQBX	47578			13.06	0.91									
			86.00	88.00	2.00	MQBX	47579			4.71	0.81									
			88.00	89.00	1.00		DIBX	47580			12.25	1.10								
			89.00	90.00	1.00		DIBX	47581			1.20	0.21								
			90.00	91.00	1.00		DIBX	47582			10.44	1.25								
			91.00	92.00	1.00		AGD	47583			7.70	1.31								
			92.00	93.00	1.00		AGD	47584			5.21	1.32								
			93.00	94.00	1.00		AGD	47585			3.65	1.13								
			94.00	95.00	1.00		AGD	47586			4.70	0.76								
			95.00	96.00	1.00		AGD	47587			2.63	0.23								
			96.00	97.00	1.00		AGD	47588			5.02	0.44								
			97.00	98.00	1.00		AGD	47589			5.89	0.66								
			98.00	99.00	1.00		AGD	47590			2.48	0.13								
			99.00	100.00	1.00		AGD	47591			8.11	0.49								
			100.00	102.00	2.00		AGD	47592			1.44	0.14								
			102.00	104.00	2.00		AGD	47593			0.90	0.10								
			104.00	106.00	2.00		AGD	47594			3.19	0.35								
			106.00	108.00	2.00		AGD	47595			0.82	0.02								
								AVERAGES												
								CONTINUED												

PROPERTY LOGAN D.D.H. L 87 - 16 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			11.00	108.00	97.00						5.13	0.65					
			12.00	18.00	6.00						7.15	1.36					
			36.00	46.00	10.00						7.10	0.93					
			63.00	98.00	35.00						7.00	0.74					
			80.00	92.00	12.00						10.06	1.03					
			81.00	86.00	5.00						14.79	1.12					

PROPERTY LOGAN D.D.H. 87 -L- 17 PAGE 1 OF 1

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 153.01m

CLAIM: LOGAN 2 NORTHING: 138.54 DATE STARTED: JUNE 13D 1987

SECTION: S W EASTING: -7.24 DATE FINISHED: JUNE 16N 1987

CORE SIZE: NQ ELEVATION: 1359.6 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 90 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-17 WAS DRILLED TO TEST A SURFACE GEOCHEM ANOMALY AND TO LOCATE A POSSIBLE PARALLEL MINERAL STRUCTURE SOUTH OF THE MAIN ZONE. A SMALL ZONE OF STOCKWORK MINERALIZATION WAS INTERSECTED FROM 15.50-21.50m (6.00m). THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT ANDND DRILLING 90m OF BARREN CORE.

UTM COORDINATES: NORTHING 6708233.0 EASTING 419457.5

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00	180.59°	0.00	15.24	15.24		DB											
76.81	-60.00	180.59°	15.24	30.78	15.54		SAGD											
149.96	-60.00	177.59°	30.78	34.21	3.43		GM											
			34.21	75.08	40.87		AGD											
			75.08	76.17	1.09		SCH											
			76.17	93.11	16.94		AGD											
			93.11	96.97	3.86		SCH											
			96.97	99.20	2.23		AGD											
			99.20	106.80	7.60		SCH											
			106.80	153.01	46.21		AGD											
ASSAYS AND ANALYSES																		
			15.50	17.50	2.00		AGD	47596			2.10	< 0.02						
			17.50	18.50	1.00		AGD	47597			4.80	0.09						
			18.50	19.50	1.00		AGD	47598			5.00	0.08						
			19.50	21.50	2.00		AGD	47599			1.13	< 0.02						
			21.50	24.50	3.00		AGD	47600			0.55	< 0.02						
			64.30	65.30	1.00		AGD	47601			0.44	< 0.02						
			65.30	66.30	1.00		AGD	47602			1.54	0.17						
			66.30	67.30	1.00		AGD	47603			0.25	< 0.02						

PROPERTY LOGAN D.D.H. B7 -L- 18 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 268.22m
 CLAIM: LOGAN 2 NORTHING: 326.48 DATE STARTED: JUNE 16N 1987
 SECTION: 5 W EASTING: -4.27 DATE FINISHED: JUNE 22N 1987
 CORE SIZE: NQ ELEVATION: 1389.4 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 92 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL
 COMMENTS: HOLE L-18 WAS DRILLED TO TEST FOR A DOWNDIP AND NORTHWARD EXTENSION OF MINERALIZATION INTERSECTED IN HOLE L-15. APPROXIMATELY 105m (135-240m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 28m OF BARREN GROUND.
UTM COORDINATES: NORTHING 6798389.9 EASTING 419354.0
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00	180.59°	0.00	7.32	7.32		OB										
77.72	-60.00	171.59°	7.32	7.72	0.40		AGD										
138.68	-61.00	175.59°	7.72	12.42	4.70		SCH										
199.64	-62.00	186.59°	12.42	30.07	17.65		AGD										
260.60	-61.00	170.59°	30.07	56.84	26.77		SAGD										
			56.84	67.56	10.72		AGD										
			67.56	68.85	1.29		FGD										
			68.85	104.95	36.10		GD										
			104.95	105.77	0.82		SAGD										
			105.77	122.22	16.45		AGD										
			122.22	124.05	1.83		SAGD										
			124.05	131.41	7.36		AGD										
			131.41	135.25	3.84		SAGD										
			135.25	141.57	6.32		AGD										
			141.57	145.39	3.82		MOV										
			145.39	151.79	6.40		FD										
			151.79	155.75	3.96		MOV										
			155.75	179.14	23.39		AGD										
			179.14	200.00	20.86		SAGD										
			200.00	211.22	11.22		AGD										
			211.22	212.29	1.07		QBX										
			212.29	213.72	1.43		QV										
			213.72	218.23	4.51		DIBX										
			218.23	218.88	0.65		MS										
			218.88	220.38	1.50		MBX										
			220.38	227.00	6.62		FD										
			227.00	228.85	1.85		FGD										
			228.85	239.54	10.69		AGD										
			239.54	241.55	2.01		FGD										
			241.55	245.40	3.85		AGD										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 18 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			245.40	253.99	8.59		SAGD										
			253.99	268.22	14.23		AGD										
ASSAYS AND ANALYSES																	
			133.00	135.00	2.00		SAGD	47627			0.10	0.03					
			135.00	137.00	2.00		AGD	47628			0.12	0.06					
			137.00	139.00	2.00		AGD	47629			0.24	0.07					
			139.00	141.00	2.00		AGD	47630			0.43	0.07					
			141.00	142.00	1.00		MQV	47631			1.32	0.38					
			142.00	143.00	1.00		MQV	47632			3.10	1.43					
			143.00	144.00	1.00		MQV	47633			0.59	1.05					
			144.00	145.00	1.00		MQV	47634			3.38	1.89					
			145.00	146.00	1.00		FD	47635			1.74	0.71					
			146.00	148.00	2.00		FD	47636			0.58	0.15					
			148.00	150.00	2.00		FD	47637			0.30	0.03					
			150.00	152.00	2.00		FD	47638			0.56	0.04					
			152.00	153.00	1.00		MQV	47639			2.08	0.47					
			153.00	155.00	2.00		MQV	47640			0.88	0.32					
			155.00	156.00	1.00		MQV	47641			1.64	0.38					
			156.00	157.00	1.00		AGD	47642			2.54	0.27					
			157.00	158.00	1.00		AGD	47643			0.96	0.33					
			158.00	160.00	2.00		AGD	47644			1.44	0.14					
			160.00	162.00	2.00		AGD	47645			1.06	0.25					
			162.00	164.00	2.00		MQV	47646			1.20	0.23					
			164.00	166.00	2.00		AGD	47647			1.62	0.14					
			166.00	168.00	2.00		AGD	47648			1.51	0.26					
			168.00	170.00	2.00		AGD	47649			2.71	0.26					
			170.00	172.00	2.00		AGD	47650			2.00	0.21					
			172.00	173.00	1.00		AGD	47651			8.20	0.48					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 18 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sr	Cu	Pb	As	Au oz/t
			173.00	175.00	2.00		AGD	47652			1.29	0.26					
			175.00	177.00	2.00		AGD	47653			0.34	0.03					
			177.00	179.00	2.00		AGD	47654			0.66	0.15					
			179.00	181.00	2.00		AGD	47655			1.08	0.09					
			181.00	183.00	2.00		AGD	47656			0.79	0.03					
			183.00	185.00	2.00		AGD	47657			2.41	0.26					
			185.00	187.00	2.00		AGD	47658			0.52	0.02					
			187.00	189.00	2.00		AGD	47659			1.13	0.03					
			189.00	191.00	2.00		AGD	47660			0.88	0.20					
			191.00	193.00	2.00		AGD	47661			0.31	< 0.02					
			193.00	195.00	2.00		AGD	47662			0.63	0.02					
			195.00	197.00	2.00		AGD	47663			0.53	0.02					
			197.00	199.00	2.00		AGD	47664			0.51	0.02					
			199.00	201.00	2.00		AGD	47665			0.54	0.02					
			201.00	203.00	2.00		AGD	47666			0.30	0.03					
			203.00	205.00	2.00		AGD	47667			0.25	0.02					
			205.00	207.00	2.00		AGD	47668			0.42	0.04					
			207.00	209.00	2.00		AGD	47669			0.96	0.12					
			209.00	211.00	2.00		AGD	47670			0.31	0.12					
			211.00	213.00	2.00		QBX	47671			0.16	0.04					
			213.00	214.00	1.00		QV	47672			4.20	0.27					
			214.00	215.00	1.00		DIBX	47673			0.31	0.11					
			→ 215.00	216.00	1.00		DIBX	47674			7.70	0.21					
			216.00	217.00	1.00		DIBX	47675			11.41	0.64					
			217.00	218.00	1.00		DIBX	47676			18.16	1.61					
			218.00	219.00	1.00		MS	47677			21.93	2.07					
			219.00	220.00	1.00		MQBX	47678		15.35	18.05	0.65					
			220.00	221.00	1.00		FD	47679			16.00	0.59					
			221.00	222.00	1.00		FD	47680			15.05	0.85					
			222.00	223.00	1.00		FD	47681			13.99	1.04					
			223.00	224.00	1.00		FD	47682			10.00	0.30					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 18 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t	
			224.00	226.00	2.00	↑	FD	47683			9.36	0.70	↑					
			226.00	227.00	1.00	↑	FD	47685			33.25	1.87	↑					
			227.00	228.00	1.00		AGD	47686			2.10	0.08						
			228.00	229.00	1.00		AGD	47687			10.62	0.27						
			229.00	230.00	1.00		AGD	47688			13.40	0.91						
			230.00	231.00	1.00		AGD	47689			4.20	0.31						
			231.00	232.00	1.00		AGD	47690			14.95	1.03						
			232.00	233.00	1.00		AGD	47691			5.20	0.26						
			233.00	234.00	1.00		AGD	47692			0.87	< 0.02						
			234.00	235.00	1.00		AGD	47693			0.95	0.03						
			235.00	236.00	1.00		AGD	47694			1.07	< 0.02						
			236.00	237.00	1.00		AGD	47695			5.70	0.15						
			237.00	238.00	1.00		AGD	47696			2.69	0.05						
			238.00	239.00	1.00		AGD	47697			1.34	0.05						
			239.00	240.00	1.00		AGD	47698			2.20	0.59						
			240.00	241.00	1.00		SCH	47699			0.61	0.02						
			241.00	243.00	2.00		AGD	47700			0.58	0.02						
			243.00	245.00	2.00		AGD	47701			0.44	< 0.02						
			245.00	247.00	2.00		SAGD	47702			0.22	< 0.02						
			247.00	249.00	2.00		SAGD	47703			0.37	0.02						
			249.00	251.00	2.00		SAGD	47704			0.07	< 0.02						
							AVERAGES											
			137.00	249.00	112.00						3.04	0.27						
			193.00	245.00	52.00						5.11	0.31						
			207.00	243.00	36.00						7.19	0.44						
			213.00	238.00	25.00						10.02	0.59						
			217.00	232.00	15.00						14.03	0.87						

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 19 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 100.58m

CLAIM: LOGAN 2 NORTHING: 152.39 DATE STARTED: JUNE 16N 1987

SECTION: 200 W EASTING: -200.83 DATE FINISHED: JUNE 21D 1987

CORE SIZE: NQ ELEVATION: 1373.9 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 66.7 CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT

COMMENTS: HOLE L-19 WAS DRILLED TO TEST AN IP ANOMALY AND TO TEST FOR AN UPDIP AND SOUTHWARD EXTENSION OF MINERALIZATION INTERSECTED IN HOLE L-9. ROUGHLY 24m (10-34m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 16m OF BARREN CORE.

UTM COORDINATES: NORTHING 6708135.3 EASTING 419289.8

NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00	180.59°	0.00	9.75	9.75		OB										
96.01	-60.50	168.59°	9.75	15.90	6.15		MOBX										
			15.90	16.80	0.90		AGD										
			16.80	20.00	3.20		MABX										
			20.00	21.00	1.00		SAGD										
			21.00	33.20	12.20		MOBX										
			33.20	37.20	4.00		AFQP										
			37.20	48.10	10.90		SAFQP										
			48.10	83.92	35.82		AGD										
			83.92	84.95	1.03		SAGD										
			84.95	87.75	2.80		AGD										
			87.75	95.05	7.30		SAGD										
			95.05	100.58	5.53		AGD										
ASSAYS AND ANALYSES																	
			9.75	11.75	2.00		MOBX	47604			5.00	10.28					
			11.75	12.75	1.00		MOBX	47605			7.91	1.40					
			12.75	13.75	1.00		MOBX	47606			5.80	1.45					
			13.75	15.75	2.00		MOBX	47607			5.80	1.52					
			15.75	17.00	1.25		AGD	47608			3.53	0.19					
			17.00	18.00	1.00		MABX	47609			5.80	3.58					
			18.00	19.00	1.00		MABX	47610			5.28	0.65					
			19.00	20.00	1.00		MABX	47611			6.06	1.73					
			20.00	21.00	1.00		SAGD	47612			3.20	0.16					
			21.00	22.00	1.00		MOBX	47613			3.81	0.22					
			22.00	23.00	1.00		MOBX	47614			10.04	0.41					
			23.00	24.00	1.00		MOBX	47615			2.34	0.13					
			24.00	25.00	1.00		MOBX	47616			3.84	0.18					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 19 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			25.00	26.00	1.00		MGBX	47617			4.50	0.23					
			26.00	27.00	1.00		MGBX	47618			4.40	0.27					
			27.00	28.00	1.00		MGBX	47619			1.45	0.06					
			28.00	29.00	1.00		MGBX	47620			4.25	0.22					
			29.00	30.00	1.00		MGBX	47621			0.68	0.12					
			30.00	32.00	2.00		MGBX	47622			0.73	0.10					
			32.00	34.00	2.00		MGBX	47623			1.39	0.09					
			34.00	36.00	2.00		AFQP	47624			0.17	0.02					
			36.00	38.00	2.00		AFQP	47625			0.13	< 0.02					
			38.00	40.00	2.00		SAFQP	47626			0.44	< 0.02					
								AVERAGES									
			9.75	40.00	30.25						3.34	1.16					
			9.75	27.00	17.25						5.16	1.99					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 20 PAGE 2 OF 3

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			107.00	109.00	2.00		FD	47741			0.56	0.03						
			109.00	111.00	2.00		FD	47742			0.96	0.05						
			111.00	112.00	1.00		FD	47743			1.66	0.16						
			112.00	114.00	2.00		FD	47744			7.95	1.90						
			114.00	115.00	1.00		FQP	47745			6.25	0.92						
			115.00	116.00	1.00		FQP	47746			5.68	0.45						
			116.00	117.00	1.00		FQP	47747			7.52	3.97						
			117.00	118.00	1.00		AGD	47748			2.60	0.19						
			118.00	119.00	1.00		AGD	47749			3.10	0.27						
			119.00	120.00	1.00		AGD	47750			2.00	0.09						
			120.00	121.00	1.00		AGD	47751			1.68	0.23						
			121.00	122.00	1.00		AGD	47752			7.03	0.98						
			122.00	123.00	1.00		AGD	47753			2.84	0.12						
			123.00	124.00	1.00		AGD	47754			1.24	0.06						
			124.00	125.00	1.00		AGD	47755			1.44	0.12						
			125.00	126.00	1.00		AGD	47756			5.58	0.65						
			126.00	127.00	1.00		AGD	47757			2.06	0.18						
			127.00	128.00	1.00		AGD	47758			2.68	0.25						
			128.00	129.00	1.00		AGD	47759			5.78	0.20						
			129.00	130.00	1.00		AGD	47760			2.63	0.18						
			130.00	131.00	1.00		AGD	47761			0.73	0.04						
			131.00	132.00	1.00		AGD	47762			1.80	0.11						
			132.00	133.00	1.00		AGD	47763			2.70	0.19						
			133.00	134.00	1.00		AGD	47764			0.80	0.04						
			134.00	135.00	1.00		AGD	47705			0.71	0.05						
			135.00	136.00	1.00		AGD	47706			1.66	0.05						
			136.00	137.00	1.00		AGD	47707			1.14	0.14						
			137.00	138.00	1.00		AGD	47708			1.66	0.06						
			138.00	139.00	1.00		AGD	47709			1.67	0.08						
			139.00	140.00	1.00		AGD	47710			10.02	1.66						
			140.00	141.00	1.00		AGD	47711			1.04	0.06						
								CONTINUED										

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY	LOGAN	D.D.H.	87 -L- 21	PAGE	1	OF	3
AREA:	MAIN ZONE	DIP:	-60 °	AZIMUTH (t):	180.59 °	DEPTH:	247.49m
CLAIM:	LOGAN 2	NORTHING:	320.6	DATE STARTED:	JUNE 23D 1987	DATE FINISHED:	JUNE 27N 1987
SECTION:	200 W	EASTING:	-200.19	CONTRACTOR:	ARCTIC DIAMOND DRILLING LTD	LOGGED BY:	PAUL DONKERSLOOT
CORE SIZE:	NQ	ELEVATION:	1383.8 m	COMMENTS:	HOLE L-21 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF A MINERALIZED ZONE THAT WAS FOUND IN HOLES L-9 AND L-19, ROUGHLY 50m (159-209m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 23m OF BARREN CORE.		
CORE RECOVERY:	89 %	CORE STORED AT:	LOGAN PROP.	UTM COORDINATES:	NORTHING 6708274.6 EASTING 419195.5		
NOTE: All azimuths are set relative to grid north - 324.41° TN							

SURVEY DATA				GEOLOGY AND ASSAY RECORD													
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00	180.59*	0.00	12.80	12.80		DB										
17.37	-57.00	171.59*	12.80	13.60	0.80		AGD										
60.05	-57.00	171.59*	13.60	17.40	3.80		SCH										
121.01	-57.00	168.59*	17.40	38.00	20.60		GD										
181.97	-56.50	177.59*	38.00	39.30	1.30		SCH										
242.93	-56.50	170.59*	39.30	91.80	52.50		AGD										
			91.80	93.67	1.87		SCH										
			93.67	102.98	9.31		AGD										
			102.98	107.30	4.32		FGD										
			107.30	152.12	44.82		AGD										
			152.12	158.70	6.58		SAGD										
			158.70	163.30	4.60		AGD										
			163.30	166.50	3.20		MOV										
			166.50	182.65	16.15		AGD										
			182.65	185.75	3.10		MOBX										
			185.75	203.90	18.15		AGD										
			203.90	209.30	5.40		MOBX										
			209.30	220.20	10.90		FBP										
			220.20	224.90	4.70		SAGD										
			224.90	242.40	17.50		AGD										
			242.40	247.49	5.09		FGD										
								ASSAYS AND ANALYSES									
			157.00	158.00	1.00		SAGD	47765			0.05	< 0.02					
			158.00	159.00	1.00		SAGD	47766			0.13	< 0.02					
			159.00	160.00	1.00		AGD	47767			1.40	0.10					
			160.00	161.00	1.00		AGD	47768			3.28	0.33					
			161.00	162.00	1.00		AGD	47769			3.95	0.26					
								CONTINUED									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L B7 - 21 PAGE 3 OF 3

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA	GEOLOGY AND ASSAY RECORD : VALUES BELOW IN PPM UNLESS NOTED :															
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Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			217.00	219.00	2.00		FQP	47801			0.12	< 0.02					
			219.00	221.00	2.00		FQP	47802			0.17	< 0.02					
			221.00	223.00	2.00		SAGD	47803			0.04	< 0.02					
			223.00	225.00	2.00		SAGD	47804			0.10	< 0.02					
							AVERAGES										
			159.00	183.00	24.00						3.05	0.27					
			159.00	169.00	10.00						5.62	0.56					
			160.00	167.00	7.00						7.39	0.75					
			163.00	167.00	4.00						9.84	1.05					

PROPERTY LOGAN D.D.H. 87 -L- 22 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 252.07m

CLAIM: LOGAN 2 NORTHING: 323.18 DATE STARTED: JUNE 27N 1987

SECTION: 105 W EASTING: -113.68 DATE FINISHED: JULY 3D 1987

CORE SIZE: NQ ELEVATION: 1384.2 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 78 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-22 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF MINERALIZATION INTERSECTED IN HOLE L-8. APPROXIMATELY 86m (146-232m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 20m OF BARREN CORE.

UTM COORDINATES: NORTHING 6708325.5 EASTING 419265.5

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00	180.59°	0.00	7.01	7.01		QB										
15.85	-63.00	173.59°	7.01	9.75	2.74		GD										
64.62	-63.00	183.59°	9.75	15.21	5.46		SCH										
125.58	-63.50	180.59°	15.21	35.65	20.44		GD										
186.54	-63.50	176.59°	35.65	37.31	1.66		SCH										
247.50	-64.00	176.59°	37.31	68.16	30.85		GD										
			68.16	69.64	1.48		SCH										
			69.64	117.24	47.60		GD										
			117.24	142.51	25.27		AGD										
			142.51	145.69	3.18		FD										
			145.69	148.28	2.59		AGD										
			148.28	153.90	5.62		QBX										
			153.90	155.38	1.48		FD										
			155.38	207.26	51.88		AGD										
			207.26	209.09	1.83		MQBX										
			209.09	211.51	2.42		AV										
			211.51	213.66	2.15		MABX										
			213.66	215.50	1.84		MQV										
			215.50	217.39	1.89		AGD										
			217.39	219.00	1.61		SAGD										
			219.00	220.40	1.40		FGD										
			220.40	222.50	2.10		SAGD										
			222.50	225.22	2.72		FGD										
			225.22	227.07	1.85		SAGD										
			227.07	232.44	5.37		AGD										
			232.44	244.91	12.47		SAGD										
			244.91	252.07	7.16		AGD										
								ASSAYS AND ANALYSES									
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 22 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA **GEOLOGY AND ASSAY RECORD** ; VALUES BELOW IN PPM UNLESS NOTED ;

Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			138.00	140.00	2.00		AGD	47805			0.04	< 0.02					
			140.00	142.00	2.00		SAGD	47806			3.07	0.29					
			142.00	144.00	2.00		FD	47807			1.00	0.08					
			144.00	146.00	2.00		FD	47808			0.62	0.04					
			146.00	148.00	2.00		AGD	47809			1.98	0.53					
			148.00	150.00	2.00		QBX	47810			1.42	0.26					
			150.00	151.00	1.00		QBX	47811			3.29	1.01					
			151.00	152.00	1.00		QBX	47812			2.27	1.08					
			152.00	153.00	1.00		QBX	47813			3.49	0.56					
			153.00	154.00	1.00		QBX	47814			5.25	1.58					
			154.00	155.00	1.00		FD	47815			10.20	0.71					
			155.00	156.00	1.00		AGD	47816			3.06	1.15					
			156.00	157.00	1.00		AGD	47817			1.50	0.13					
			157.00	158.00	1.00		AGD	47818			3.21	0.34					
			158.00	159.00	1.00		AGD	47819			2.06	0.43					
			159.00	160.00	1.00		AGD	47820			1.17	0.08					
			160.00	161.00	1.00		AGD	47821			0.69	0.03					
			161.00	163.00	2.00		AGD	47822			0.94	0.04					
			163.00	165.00	2.00		AGD	47823			0.66	0.07					
			165.00	167.00	2.00		AGD	47824			0.43	0.10					
			167.00	168.00	1.00		AGD	47825			0.64	0.04					
			168.00	169.00	1.00		AGD	47826			2.90	0.52					
			169.00	170.00	1.00		AGD	47827			2.44	0.28					
			170.00	171.00	1.00		AGD	47828			0.53	0.07					
			171.00	172.00	1.00		AGD	47829			1.32	0.10					
			172.00	173.00	1.00		AGD	47830			0.64	0.07					
			173.00	175.00	2.00		AGD	47831			0.78	0.15					
			175.00	176.00	1.00		AGD	47832			1.89	0.10					
			176.00	177.00	1.00		AGD	47833			1.40	0.12					
			177.00	178.00	1.00		AGD	47834			4.40	0.32					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 22 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA	GEOLOGY AND ASSAY RECORD	VALUES BELOW IN PPM UNLESS NOTED
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Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			218.00	219.00	1.00		AGD	47866			1.38	0.09					
			219.00	220.00	1.00		SCH	47867			0.76	0.03					
			220.00	222.00	2.00		SAGD	47868			0.78	< 0.02					
			222.00	224.00	2.00		SCH	47869			0.94	0.03					
			224.00	226.00	2.00		SCH	47870			0.80	0.09					
			226.00	228.00	2.00		SAGD	47871			1.52	< 0.02					
			228.00	230.00	2.00		AGD	47872			0.54	0.05					
			230.00	232.00	2.00		AGD	47873			1.90	< 0.02					
			232.00	234.00	2.00		SAGD	47874			0.52	< 0.02					
			234.00	236.00	2.00		SAGD	47875			0.15	0.05					
			236.00	238.00	2.00		SAGD	47876			0.04	0.02					
			238.00	240.00	2.00		SAGD	47877			0.18	< 0.02					
			240.00	242.00	2.00		SAGD	47878			0.01	< 0.02					
			242.00	244.00	2.00		SAGD	47879			0.02	< 0.02					
								AVERAGES									
			146.00	160.00	14.00						3.02	0.62					
			181.00	219.00	38.00						3.00	0.19					
			151.00	155.00	4.00						5.30	0.98					
			202.00	218.00	16.00						5.06	0.28					
			207.00	217.00	10.00						7.15	0.38					
			211.00	217.00	6.00						10.15	0.49					

PROPERTY LOGAN D.D.H. 87 -L- 23 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -62° AZIMUTH (I): 180.59° DEPTH: 324.61m

CLAIM: LOGAN 2 NORTHING: 376.34 DATE STARTED: JUNE 27D 1987

SECTION: 105 W EASTING: -112.62 DATE FINISHED: JULY 3N 1987

CORE SIZE: NQ ELEVATION: 1393.4 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 88 % CORE STORED AT: LOGAN PROP. LOGGED BY: ROB FALLS

COMMENTS: HOLE L-23 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF MINERALIZATION INTERSECTED IN HOLES L-6, L-8 AND L-22. ROUGHLY 96m (204-300m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 20m OF SPARSELY MINERALIZED CORE.

UTM COORDINATES: NORTHING 6708370.0 EASTING 419236.4

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-62.00	180.59°	0.00	9.75	9.75		DB										
15.24	-62.50	180.59°	9.75	21.12	11.37		SAGD										
76.20	-63.00	168.59°	21.12	128.10	106.98		AGD										
137.16	-63.00	182.59°	128.10	144.48	16.38		SAGD										
198.12	-64.00	177.59°	144.48	152.28	7.80		AGD										
259.08	-64.00	171.59°	152.28	168.34	16.06		SCH										
320.04	-64.50	187.59°	168.34	179.70	11.36		AGD										
			179.70	182.77	3.07		SCH										
			182.77	185.31	2.54		SAGD										
			185.31	188.36	3.05		FQP										
			188.36	190.90	2.54		FD										
			190.90	193.30	2.40		FDBX										
			193.30	194.30	1.00		QV										
			194.30	197.01	2.71		FD										
			197.01	201.37	4.36		QV										
			201.37	261.21	59.84		AGD										
			261.21	262.34	1.13		FD										
			262.34	271.65	9.31		AGD										
			271.65	273.84	2.19		DIBX										
			273.84	274.68	0.84		MABX										
			274.68	275.80	1.12		MQV										
			275.80	277.80	2.00		MQBX										
			277.80	278.80	1.00		MQV										
			278.80	279.50	0.70		MS										
			279.50	280.10	0.60		MQV										
			280.10	281.50	1.40		MS										
			281.50	283.66	2.16		MQV										
			283.66	303.17	19.51		AGD										
			303.17	310.60	7.43		SAGD										
			310.60	311.70	1.10		QBX										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 23 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			311.70	314.43	2.73		QV											
			314.43	324.61	10.18		AGD											
ASSAYS AND ANALYSES																		
			178.00	180.00	2.00		AGD	47880			< 0.01	< 0.02						
			180.00	182.00	2.00		SCH	47881			< 0.01	< 0.02						
			182.00	184.00	2.00		SAGD	47882			0.06	< 0.02						
			184.00	186.00	2.00		SAGD	47883			0.01	< 0.02						
			186.00	188.00	2.00		FQP	47884			0.01	< 0.02						
			188.00	190.00	2.00		FD	47885			0.02	< 0.02						
			190.00	192.00	2.00		FDBX	47886			0.11	0.09						
			192.00	194.00	2.00		FDBX	47887			1.04	0.40						
			194.00	196.00	2.00		FD	47888			0.41	0.05						
			196.00	198.00	2.00		FD	47889			0.16	< 0.02						
			198.00	200.00	2.00		AGD	47890			0.11	< 0.02						
			200.00	202.00	2.00		QV	47891			0.68	0.08						
			202.00	204.00	2.00		AGD	47892			1.28	0.05						
			204.00	206.00	2.00		AGD	47893			1.57	0.08						
			206.00	208.00	2.00		AGD	47894			1.08	0.08						
			208.00	210.00	2.00		AGD	47895			0.58	0.04						
			210.00	212.00	2.00		AGD	47896			0.76	0.04						
			212.00	214.00	2.00		AGD	47897			0.58	0.07						
			214.00	216.00	2.00		AGD	47898			0.56	0.02						
			216.00	218.00	2.00		AGD	47899			0.23	0.02						
			218.00	220.00	2.00		AGD	47900			0.22	0.02						
			220.00	222.00	2.00		AGD	47901			0.22	< 0.02						
			222.00	224.00	2.00		AGD	47902			0.32	0.03						
			224.00	226.00	2.00		AGD	47903			0.18	0.03						
			226.00	228.00	2.00		AGD	47904			1.41	0.04						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 23 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t			
			228.00	230.00	2.00		AGD	47905			0.60	0.06								
			230.00	232.00	2.00		AGD	47906			1.14	0.05								
			232.00	234.00	2.00		AGD	47907			0.82	0.03								
			234.00	236.00	2.00		AGD	47908			1.04	0.03								
			236.00	238.00	2.00		AGD	47909			0.81	0.04								
			238.00	240.00	2.00		AGD	47910			0.68	0.07								
			240.00	242.00	2.00		AGD	47911			0.32	0.10								
			242.00	244.00	2.00		AGD	47912			0.80	< 0.02								
			244.00	246.00	2.00		AGD	47913			1.28	0.06								
			246.00	248.00	2.00		AGD	47914			1.46	0.05								
			248.00	250.00	2.00		AGD	47915			0.48	0.02								
			250.00	252.00	2.00		AGD	47916			0.76	0.05								
			252.00	254.00	2.00		AGD	47917			2.42	0.11								
			254.00	256.00	2.00		AGD	47918			0.32	0.04								
			256.00	258.00	2.00		AGD	47919			0.67	0.06								
			258.00	260.00	2.00		AGD	47920			0.66	< 0.02								
			260.00	262.00	2.00		AGD	47921			0.10	0.02								
			262.00	264.00	2.00		AGD	47922			0.50	0.07								
			264.00	266.00	2.00		AGD	47923			0.24	0.03								
			266.00	268.00	2.00		AGD	47924			0.12	0.02								
			268.00	270.00	2.00		AGD	47925			0.02	< 0.02								
			270.00	271.00	1.00		AGD	47926			0.01	< 0.02								
			271.00	272.00	1.00		AGD	47927			0.08	< 0.02								
			272.00	273.00	1.00		DIBX	47928			1.32	0.10					< 0.002			
			273.00	274.00	1.00		MABX	47929			3.96	0.23					< 0.002			
			274.00	275.00	1.00		MABX	47930			11.60	0.66					< 0.002			
			275.00	276.00	1.00		MQV	47931			5.95	0.42					< 0.002			
			276.00	277.00	1.00		MQV	47932			3.62	0.69					< 0.002			
			277.00	278.00	1.00		MQV	47957			3.82	1.35					< 0.002			
			278.00	279.00	1.00		MQV	47933			8.40	1.58					< 0.002			
			279.00	280.00	1.00		MS	47934			21.32	7.52					< 0.002			
								CONTINUED												

PROPERTY LOGAN D.D.H. L 87 - 23 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA **GEOLOGY AND ASSAY RECORD** ; VALUES BELOW IN PPM UNLESS NOTED ;

Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			280.00	281.00	1.00	↑ 4.0	MS	47935			23.97	4.92	↑ 3.71				< 0.002
			281.00	282.00	1.00		MGV	47936		15.42	8.00	0.81					< 0.002
			282.00	283.00	1.00		MGV	47937			3.95	0.45					< 0.002
			283.00	284.00	1.00		MGV	47938			3.91	0.39					< 0.002
			284.00	285.00	1.00		AGD	47939			1.52	0.13					
			285.00	286.00	1.00		AGD	47940			1.97	0.08					
			286.00	288.00	2.00		AGD	47941			0.80	0.04					
			288.00	290.00	2.00		AGD	47942			0.96	0.10					
			290.00	292.00	2.00		AGD	47943			0.65	0.06					
			292.00	294.00	2.00		AGD	47944			0.47	0.06					
			294.00	296.00	2.00		AGD	47945			1.18	0.04					
			296.00	298.00	2.00		AGD	47946			1.58	0.04					
			298.00	300.00	2.00		AGD	47947			2.10	0.03					
			300.00	302.00	2.00		AGD	47948			0.22	0.05					
			302.00	304.00	2.00		AGD	47949			0.22	0.02					
			304.00	306.00	2.00		SAGD	47950			0.18	< 0.02					
			306.00	308.00	2.00		SAGD	47951			0.44	0.04					
			308.00	310.00	2.00		SAGD	47952			0.44	< 0.02					
			310.00	312.00	2.00		QBX	47953			0.52	0.15					
			312.00	314.00	2.00		QV	47954			0.46	0.27					< 0.002
			314.00	316.00	2.00		AGD	47955			1.00	0.15					< 0.002
			316.00	318.00	2.00		AGD	47956			0.20	< 0.02					
AVERAGES																	
			248.00	286.00	38.00						3.05	0.53					
			272.00	292.00	20.00						5.41	0.99					
			272.00	286.00	14.00						7.38	1.38					
			273.00	282.00	9.00						10.07	2.02					
			278.00	282.00	4.00						15.42	3.71					

PROPERTY LOGAN D.D.H. 87 -L- 24 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 181.66m
 CLAIM: LOGAN 2 NORTHING: 231.02 DATE STARTED: JULY 3N 1987
 SECTION: 310 W EASTING: -305.04 DATE FINISHED: JULY 8D 1987
 CORE SIZE: NQ ELEVATION: 1402.2 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 75 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-24 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF MINERALIZATION FOUND IN HOLE L-10. ROUGHLY 40m (116-156m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 25m OF BARREN CORE.
UTM COORDINATES: NORTHING 6708141.5 EASTING 419159.4
NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00	180.59°	0.00	9.14	9.14		OB											
15.54	-59.50	175.59°	9.14	108.80	99.66		AGD											
177.09	-60.50	167.59°	108.80	116.10	7.30		SAGD											
			116.10	124.00	7.90		FD											
			124.00	143.95	19.95		AGD											
			143.95	144.65	0.70		MQBX											
			144.65	149.40	4.75		AGD											
			149.40	152.10	2.70		QV											
			152.10	155.30	3.20		FD											
			155.30	165.20	9.90		SAGD											
			165.20	181.66	16.46		AGD											
ASSAYS AND ANALYSES																		
			108.00	110.00	2.00		SAGD	48097			0.19	< 0.02						
			110.00	112.00	2.00		SAGD	48098			0.94	0.02						
			112.00	114.00	2.00		SAGD	48099			0.56	< 0.02						
			114.00	116.00	2.00		SAGD	48100			0.71	< 0.02						
			116.00	118.00	2.00		FD	48101			0.49	< 0.02						
			118.00	120.00	2.00		FD	48102			1.44	0.11						
			120.00	122.00	2.00		FD	48103			2.74	0.14						
			122.00	124.00	2.00		FD	48104			1.06	0.08						
			124.00	126.00	2.00		AGD	48105			0.45	0.03						
			126.00	128.00	2.00		AGD	48106			0.78	0.11						
			128.00	129.00	1.00		AGD	48107			1.54	0.23						
			129.00	130.00	1.00		AGD	48108			1.42	0.12						
			130.00	132.00	2.00		AGD	48109			3.71	0.23						
			132.00	134.00	2.00		AGD	48110			2.80	1.29						
			134.00	135.00	1.00		AGD	48111			0.86	0.33						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 25 PAGE 2 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			196.97	202.49	5.52		AGD										
			202.49	211.08	8.59		MAV										
			211.08	212.52	1.44		MOBX										
			212.52	219.49	6.97		FD										
			219.49	223.49	4.00		SAGD										
			223.49	236.31	12.82		AGD										
			236.31	236.83	0.52		SCH										
ASSAYS AND ANALYSES																	
			81.00	83.00	2.00		AGD	47958			0.15	< 0.02					
			83.00	85.00	2.00		AGD	47959			0.15	< 0.02					
			85.00	87.00	2.00		SAGD	47960			0.76	0.14					
			87.00	88.00	1.00		AGD	47961			0.48	0.03					
			88.00	89.00	1.00		AGD	47962			4.60	0.54					
			89.00	90.00	1.00		MOV	47963			15.58	6.76					
			90.00	91.00	1.00		FD	47964			1.67	0.20					
			91.00	92.00	1.00		FD	47965			1.30	0.08					
			92.00	93.00	1.00		FD	47966			1.54	0.09					
			93.00	94.00	1.00		FD	47967			1.84	0.16					
			94.00	95.00	1.00		FD	47968			1.13	0.14					
			95.00	96.00	1.00		FD	47969			0.92	0.12					
			96.00	97.00	1.00		FD	47970			1.36	0.15					
			97.00	98.00	1.00		AGD	47971			1.25	0.14					
			98.00	99.00	1.00		AGD	47972			3.00	0.71					
			99.00	100.00	1.00		AGD	47973			2.04	0.36					
			100.00	101.00	1.00		AGD	47974			3.82	0.52					
			101.00	102.00	1.00		MOV	47975			13.34	1.95					
			102.00	103.00	1.00		AGD	47976			11.76	0.61					
			103.00	104.00	1.00		AGD	47977			3.15	0.11					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 25 PAGE 3 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t			
			104.00	105.00	1.00		AGD	47978			3.60	0.08								
			105.00	106.00	1.00		AGD	47979			2.47	0.08								
			106.00	107.00	1.00		AGD	47980			2.24	0.06								
			107.00	108.00	1.00		AGD	47981			1.52	0.09								
			108.00	109.00	1.00		AGD	47982			2.08	0.06								
			109.00	110.00	1.00		AGD	47983			8.19	0.28								
			110.00	111.00	1.00		AGD	47984			4.05	0.52								
			111.00	112.00	1.00		AGD	47985			15.58	1.60								
			112.00	113.00	1.00		AGD	47986			30.08	2.49								
			113.00	114.00	1.00		AGD	47987			2.96	0.30								
			114.00	115.00	1.00		AGD	47988			1.46	0.07								
			115.00	116.00	1.00		AGD	47989			1.48	0.10								
			116.00	117.00	1.00		AGD	47990			0.28	0.02								
			117.00	118.00	1.00		AGD	47991			0.32	< 0.02								
			118.00	119.00	1.00		AGD	47992			0.58	0.03								
			119.00	120.00	1.00		AGD	47993			0.24	< 0.02								
			120.00	121.00	1.00		AGD	47994			1.80	0.52								
			121.00	122.00	1.00		AGD	47995			2.56	0.08								
			122.00	123.00	1.00		AGD	47996			0.68	< 0.02								
			123.00	124.00	1.00		AGD	47997			0.38	< 0.02								
			124.00	125.00	1.00		AGD	47998			0.21	0.03								
			125.00	126.00	1.00		AGD	47999			0.21	< 0.02								
			126.00	127.00	1.00		AGD	48000			1.61	0.02								
			127.00	128.00	1.00		MS	48001			37.00	1.72								
			128.00	129.00	1.00		AGD	48002			1.57	0.07								
			129.00	130.00	1.00		AGD	48003			0.84	0.02								
			130.00	131.00	1.00		AGD	48004			1.28	0.05								
			131.00	132.00	1.00		AGD	48005			2.26	0.05								
			132.00	133.00	1.00		AGD	48006			1.28	0.03								
			133.00	134.00	1.00		AGD	48007			3.90	0.09								
			134.00	135.00	1.00		AGD	48008			7.08	0.82								
								CONTINUED												

PROPERTY LOGAN D.D.H. L 87 - 25 PAGE 4 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			135.00	136.00	1.00		AGD	48009			19.39	1.91					
			136.00	137.00	1.00		AGD	48010			1.44	0.08					
			137.00	138.00	1.00		AGD	48011			0.92	0.02					
			138.00	139.00	1.00		AGD	48012			0.81	0.02					
			139.00	140.00	1.00		AGD	48013			0.60	0.04					
			140.00	141.00	1.00		AGD	48014			10.79	0.47					
			141.00	142.00	1.00		AGD	48015			1.52	0.04					
			142.00	143.00	1.00		AGD	48016			0.88	0.03					
			143.00	144.00	1.00		AGD	48017			0.80	0.04					
			144.00	145.00	1.00		AGD	48018			6.70	0.81					
			145.00	146.00	1.00		AGD	48019			1.86	0.05					
			146.00	147.00	1.00		AGD	48020			7.98	0.45					
			147.00	148.00	1.00		AGD	48021			3.64	0.32					
			148.00	149.00	1.00		AGD	48022			2.02	0.07					
			149.00	150.00	1.00		SCH	48023			2.13	0.28					
			150.00	151.00	1.00		MGV	48024			17.46	2.07					
			151.00	152.00	1.00		SCH	48025			0.68	0.03					
			152.00	153.00	1.00		AGD	48026			0.72	0.09					
			153.00	154.00	1.00		AGD	48027			1.58	0.14					
			154.00	155.00	1.00		AGD	48028			1.63	0.05					
			155.00	156.00	1.00		AGD	48029			1.28	0.03					
			156.00	157.00	1.00		AGD	48030			2.00	0.06					
			157.00	158.00	1.00		AGD	48031			2.17	0.10					
			158.00	159.00	1.00		AGD	48032			1.64	0.07					
			159.00	160.00	1.00		AGD	48033			2.22	0.12					
			160.00	161.00	1.00		AGD	48034			3.18	0.08					
			161.00	162.00	1.00		AGD	48035			1.48	0.05					
			162.00	163.00	1.00		AGD	48036			2.78	0.25					
			163.00	164.00	1.00		AGD	48037			0.76	0.05					
			164.00	165.00	1.00		AGD	48038			0.68	1.10					
			165.00	166.00	1.00		MGV	48039			1.33	0.28					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 25 PAGE 5 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	VALUES BELOW IN PPM UNLESS NOTED				
													Sn	Cu	Pb	As	Au oz/t
			166.00	167.00	1.00		AGD	48040			2.04	0.07					
			167.00	168.00	1.00		AGD	48041			3.49	0.45					
			168.00	169.00	1.00		AGD	48042			1.63	0.07					
			169.00	170.00	1.00		AGD	48043			1.88	0.07					
			170.00	171.00	1.00		AGD	48044			1.05	0.08					
			171.00	172.00	1.00		AGD	48045			2.29	0.06					
			172.00	173.00	1.00		AGD	48046			1.68	0.38					
			173.00	174.00	1.00		AGD	48047			2.70	0.24					
			174.00	175.00	1.00		AGD	48048			2.73	0.11					
			175.00	176.00	1.00		AGD	48049			2.25	0.06					
			176.00	177.00	1.00		AGD	48050			1.88	0.07					
			177.00	178.00	1.00		AGD	48051			6.34	0.18					
			178.00	179.00	1.00		AGD	48052			2.68	0.29					
			179.00	180.00	1.00		AGD	48053			1.19	0.14					
			180.00	181.00	1.00		MQV	48054			2.86	0.64					
			181.00	182.00	1.00		MQV	48055			9.30	1.09					
			182.00	183.00	1.00		MQV	48056			9.62	0.95					
			183.00	184.00	1.00		MQV	48057			0.71	0.22					
			184.00	185.00	1.00		SAGD	48058			1.20	0.22					
			185.00	186.00	1.00		SAGD	48059			3.36	0.13					
			186.00	187.00	1.00		AGD	48060			0.30	0.04					
			187.00	188.00	1.00		AGD	48061			0.30	0.06					
			188.00	189.00	1.00		AGD	48062			0.78	0.15					
			189.00	190.00	1.00		AGD	48063			0.52	0.20					
			190.00	191.00	1.00		AGD	48064			0.77	0.05					
			191.00	192.00	1.00		AGD	48065			2.14	0.27					
			192.00	193.00	1.00		AGD	48066			0.93	0.12					
			193.00	194.00	1.00		AGD	48067			0.64	0.04					
			194.00	195.00	1.00		AGD	48068			1.53	0.10					
			195.00	196.00	1.00		AGD	48069			1.67	0.28					
			196.00	197.00	1.00		MAV	48070			4.90	0.83					
								CONTINUED									

CORULLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 25 PAGE 6 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			197.00	198.00	1.00	20	AGD	48071			12.88	0.83	0.66				
			198.00	199.00	1.00		AGD	48072			8.05	0.47					
			199.00	200.00	1.00		AGD	48073			7.40	0.34					
			200.00	201.00	1.00		AGD	48074		16.81	11.80	0.54					
			201.00	202.00	1.00		AGD	48075			25.40	0.80					
			202.00	203.00	1.00		MAV	48076			22.80	0.86					
			203.00	204.00	1.00		MAV	48077			29.31	0.77					
			204.00	205.00	1.00		MAV	48078			3.60	0.23					
			205.00	206.00	1.00		MAV	48079			8.28	0.34					
			206.00	207.00	1.00		MAV	48080			2.60	0.18					
			207.00	208.00	1.00	MAV	48081			4.35	0.24						
			208.00	209.00	1.00	MAV	48082			6.95	0.31						
			209.00	210.00	1.00	MAV	48083			1.08	0.19						
			210.00	211.00	1.00	MAV	48084			1.58	0.18						
			211.00	212.00	1.00	MBX	48085			0.90	0.14						
			212.00	213.00	1.00	MBX	48086			0.52	0.08						
			213.00	214.00	1.00	FD	48087			0.24	0.04						
			214.00	215.00	1.00	FD	48088			1.84	0.03						
			215.00	217.00	2.00	FD	48089			1.43	0.03						
			217.00	219.00	2.00	FD	48090			0.56	< 0.02						
			219.00	221.00	2.00	SAGD	48091			0.26	< 0.02						
			221.00	223.00	2.00	SAGD	48092			0.57	0.02						
			223.00	225.00	2.00	AGD	48093			1.53	0.05						
			225.00	227.00	2.00	AGD	48094			0.32	< 0.02						
			227.00	229.00	2.00	AGD	48095			1.38	0.02						
			229.00	231.00	2.00	AGD	48096			0.03	< 0.02						
							AVERAGES										
			81.00	231.00	150.00						3.67	0.31					
							CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 25 PAGE 7 OF 7
 AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			165.00	209.00	44.00						5.00	0.31					
			88.00	116.00	28.00						5.14	0.66					
			127.00	154.00	27.00						5.08	0.36					
			98.00	113.00	15.00						7.13	0.63					
			126.00	137.00	11.00						7.06	0.44					
			190.00	212.00	22.00						7.25	0.37					
			109.00	115.00	6.00						10.39	0.88					
			194.00	209.00	15.00						10.10	0.47					
			197.00	206.00	9.00						14.39	0.58					

PROPERTY LOGAN D.D.H. L 87 - 26 PAGE 3 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t			
			143.00	144.00	1.00		AGD	48185			5.50	0.71								
			144.00	145.00	1.00		AGD	48186			2.56	0.29								
			145.00	146.00	1.00		AGD	48187			2.37	0.19								
			146.00	147.00	1.00		AGD	48188			0.96	0.07								
			147.00	148.00	1.00		AGD	48189			0.71	0.09								
			148.00	149.00	1.00		AGD	48190			0.52	0.10								
			149.00	151.00	2.00		AGD	48191			1.08	0.43								
			151.00	152.00	1.00		AGD	48192			0.65	0.30								
			152.00	153.00	1.00		AGD	48193			2.64	0.59								
			153.00	154.00	1.00		AGD	48194			2.99	0.20								
			154.00	155.00	1.00		FD	48195			20.09	3.18								
			155.00	156.00	1.00		FD	48196			5.25	0.49								
			156.00	157.00	1.00		FD	48197			9.70	1.44								
			157.00	158.00	1.00		FD	48198			1.96	2.66								
			158.00	159.00	1.00		FD	48199			1.28	0.28								
			159.00	160.00	1.00		FD	48200			1.24	0.23								
			160.00	161.00	1.00		FD	48201			1.54	0.15								
			161.00	162.00	1.00		FD	48202			4.95	0.27								
			162.00	163.00	1.00		AGD	48203			1.25	0.14								
			163.00	164.00	1.00		AGD	48204			0.54	0.09								
			164.00	165.00	1.00		AGD	48205			8.52	0.88								
			165.00	166.00	1.00		MS	48206			15.70	1.05								
			166.00	167.00	1.00		FD	48207			2.60	0.12								
			167.00	168.00	1.00		AGD	48208			18.26	1.44								
			168.00	169.00	1.00		AGD	48209			1.08	0.04								
			169.00	170.00	1.00		AGD	48210			2.20	0.08								
			170.00	171.00	1.00		AGD	48211			21.22	1.91								
			171.00	172.00	1.00		AGD	48212			1.28	0.05								
			172.00	173.00	1.00		AGD	48213			1.84	0.04								
			173.00	175.00	2.00		AGD	48214			1.76	0.10								
			175.00	177.00	2.00		AGD	48215			1.42	0.03								
								CONTINUED												

PROPERTY LOGAN D.D.H. L 87 - 26 PAGE 4 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			177.00	179.00	2.00		AGD	48216			0.35	0.07					
			179.00	181.00	2.00		AGD	48217			0.90	0.04					
			181.00	182.00	1.00		AGD	48218			0.24	0.02					
			182.00	183.00	1.00		AGD	48219			2.80	0.30					
			183.00	185.00	2.00		AGD	48220			1.20	0.05					
			185.00	187.00	2.00		AGD	48221			2.02	0.04					
			187.00	189.00	2.00		AGD	48222			1.88	0.06					
			189.00	191.00	2.00		AGD	48223			0.95	0.05					
			191.00	192.00	1.00		AGD	48224			0.10	< 0.02					
			192.00	193.00	1.00		AGD	48225			5.90	0.28					
			193.00	194.00	1.00		AGD	48226			1.03	0.07					
			194.00	195.00	1.00		AGD	48227			2.82	0.07					
			195.00	196.00	1.00		AGD	48228			0.68	0.03					
			196.00	197.00	1.00		AGD	48229			3.22	0.42					
			197.00	199.00	2.00		AGD	48230			0.35	0.02					
			199.00	201.00	2.00		AGD	48231			0.17	< 0.02					
			201.00	203.00	2.00		AGD	48232			2.28	0.07					
			203.00	205.00	2.00		AGD	48233			0.30	< 0.02					
			205.00	207.00	2.00		AGD	48234			0.49	0.02					
			207.00	209.00	2.00		AGD	48235			0.33	0.02					
			209.00	211.00	2.00		AGD	48236			0.07	0.02					
			211.00	213.00	2.00		AGD	48237			0.11	0.02					
			213.00	215.00	2.00		AGD	48238			1.16	0.06					
			215.00	217.00	2.00		AGD	48239			0.60	0.03					
			217.00	219.00	2.00		AGD	48240			0.22	0.04					
			219.00	220.00	1.00		AGD	48241			4.53	0.10					
			220.00	221.00	1.00		AGD	48242			2.22	0.05					
			221.00	222.00	1.00		MGV	48243			2.84	0.56					
			222.00	223.00	1.00		MGV	48244			5.64	1.33					
			223.00	224.00	1.00		MGV	48245			10.84	0.93					
			224.00	225.00	1.00		MGV	48246			15.17	0.70					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 26 PAGE 5 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			225.00	226.00	1.00		MGV	48247			3.42	0.88					
			226.00	227.00	1.00		AGD	48248			2.00	0.21					
			227.00	228.00	1.00		AGD	48249			2.16	0.15					
			228.00	229.00	1.00		AGD	48250			0.96	0.20					
			229.00	230.00	1.00		AGD	48251			2.09	0.12					
			230.00	231.00	1.00		AGD	48252			2.26	0.18					
			231.00	232.00	1.00		AGD	48253			1.16	0.12					
			232.00	233.00	1.00		AGD	48254			2.39	0.65					
			233.00	234.00	1.00		AGD	48255			7.90	0.17					
			234.00	235.00	1.00		AGD	48256			5.38	0.23					
			235.00	236.00	1.00		FGD	48257			3.19	0.18					
			236.00	237.00	1.00		FGD	48258			2.72	0.17					
			237.00	238.00	1.00		FGD	48259			1.08	0.09					
			238.00	239.00	1.00		FGD	48260			2.31	0.22					
			239.00	240.00	1.00		AGD	48261			0.84	0.11					
			240.00	241.00	1.00		AGD	48262			1.02	0.15					
			241.00	242.00	1.00		AGD	48263			1.27	0.17					
			242.00	243.00	1.00		AGD	48264			0.52	0.08					
			243.00	244.00	1.00		FGD	48265			0.65	0.12					
			244.00	245.00	1.00		FGD	48266			1.14	0.12					
			245.00	246.00	1.00		FGD	48267			0.24	0.12					
			246.00	247.00	1.00		FGD	48268			0.14	0.09					
			247.00	248.00	1.00		FGD	48269			0.50	0.03					
			248.00	249.00	1.00		FGD	48270			1.12	0.06					
			249.00	250.00	1.00		FGD	48271			1.62	0.05					
			250.00	251.00	1.00		FGD	48272			1.24	0.03					
			251.00	252.00	1.00		FGD	48273			0.96	0.03					
			252.00	253.00	1.00		FGD	48274			1.16	0.03					
			253.00	254.00	1.00		FGD	48275			0.96	0.04					
			254.00	255.00	1.00		FGD	48276			4.36	0.06					
			255.00	256.00	1.00		FGD	48277			4.90	0.07					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 26 PAGE 6 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			256.00	257.00	1.00		FGD	48278			0.57	0.03					
			257.00	258.00	1.00		FGD	48279			1.73	0.04					
			258.00	259.00	1.00		FGD	48280			0.19	< 0.02					
			259.00	260.00	1.00		FGD	48281			0.29	< 0.02					
			260.00	261.00	1.00		FGD	48282			0.40	< 0.02					
			261.00	262.00	1.00		AGD	48283			0.18	< 0.02					
			262.00	263.00	1.00		AGD	48284			0.86	0.02					
			263.00	264.00	1.00		AGD	48285			1.17	0.03					
			264.00	265.00	1.00		AGD	48286			0.10	< 0.02					
			265.00	266.00	1.00		MABX	48287			0.52	< 0.02					
			266.00	267.00	1.00		MABX	48288			0.10	< 0.02					
			267.00	268.00	1.00		MABX	48289			0.40	< 0.02					
			268.00	269.00	1.00		MABX	48290			0.48	0.03					
			269.00	270.00	1.00		MABX	48291			0.50	0.18					
			270.00	271.00	1.00		MABX	48292			0.38	0.22					
			271.00	272.00	1.00		MABX	48293			3.30	0.12					
			272.00	273.00	1.00		MABX	48294			1.12	0.03					
			273.00	274.00	1.00		FD	48295			0.71	0.02					
			274.00	275.00	1.00		FD	48296			0.90	0.02					
			275.00	277.00	2.00		FD	48297			0.42	< 0.02					
			277.00	279.00	2.00		FD	48298			0.39	< 0.02					
			279.00	281.00	2.00		FD	48299			0.38	< 0.02					
			281.00	283.00	2.00		MQBX	48300			0.49	< 0.02					
			283.00	285.00	2.00		MQBX	48301			0.31	< 0.02					
			285.00	287.00	2.00		MQBX	48302			0.34	< 0.02					
			287.00	289.00	2.00		FD	48303			1.39	< 0.02					
			289.00	291.00	2.00		FD	48304			2.38	0.03					
			291.00	293.00	2.00		FD	48305			1.36	< 0.02					
			293.00	295.00	2.00		FD	48306			1.57	0.02					
			295.00	297.00	2.00		FD	48307			0.36	< 0.02					
			297.00	299.00	2.00		FD	48308			1.28	< 0.02					
								CONTINUED									

CORDELLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. B7 -L- 27 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 138.07m
 CLAIM: LOGAN 2 NORTHING: 110.86 DATE STARTED: JULY 8N 1987
 SECTION: 415 W EASTING: -414.41 DATE FINISHED: JULY 15D 1987
 CORE SIZE: NQ ELEVATION: 1380.4 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 81 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-27 WAS DRILLED TO TEST AN I.P. ANOMALY LOCATED BETWEEN 000 AND 100N ON LINE 400W. APROXIMATELY 42m (42-84m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 40m OF BARREN CORE.
 UTM COORDINATES: NORTHING 6707980.6 EASTING 419136.8
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	13.11	13.11		DB										
17.68	-62.00°	175.59°	13.11	16.35	3.24		AGD										
75.59	-62.00°	179.59°	16.35	17.75	1.40		FGD										
133.50	-63.00°	176.59°	17.75	24.40	6.65		AGD										
			24.40	29.60	5.20		SAGD										
			29.60	48.10	18.50		FD										
			48.10	50.90	2.80		MGBX										
			50.90	56.45	5.55		FD										
			56.45	84.30	27.85		AGD										
			84.30	98.15	13.85		SAGD										
			98.15	105.30	7.15		AGD										
			105.30	106.75	1.45		SAGD										
			106.75	138.07	31.32		AGD										
ASSAYS AND ANALYSES																	
			42.00	44.00	2.00		FD	48134			0.36	< 0.02					
			44.00	46.00	2.00		FD	48135			0.73	< 0.02					
			46.00	48.00	2.00		FD	48136			0.76	0.02					
			48.00	50.00	2.00		MGBX	48137			0.22	< 0.02					
			50.00	52.00	2.00		FD	48138			0.89	< 0.02					
			52.00	54.00	2.00		FD	48139			0.89	< 0.02					
			54.00	56.00	2.00		FD	48140			0.69	< 0.02					
			56.00	58.00	2.00		AGD	48141			0.35	< 0.02					
			58.00	60.00	2.00		AGD	48142			0.20	< 0.02					
			60.00	62.00	2.00		AGD	48143			0.20	< 0.02					
			62.00	64.00	2.00		AGD	48144			0.66	0.04					
			64.00	66.00	2.00		AGD	48145			0.16	0.02					
			66.00	68.00	2.00		AGD	48146			0.02	< 0.02					
CONTINUED																	

CORDELLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 28 PAGE 1 OF 1

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 148.44m

CLAIM: LOGAN 2 NORTHING: 307.72 DATE STARTED: JULY 11N 1987

SECTION: 415 W EASTING: -423.27 DATE FINISHED: JULY 15D 1987

CORE SIZE: NO ELEVATION: 1424.4 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 89 % CORE STORED AT: LOGAN PROF. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-28 WAS DRILLED TO TEST AN I.P. ANOMALY THAT IS LOCATED BETWEEN 200N AND 250N ON LINE 400W. THE HOLE WAS TERMINATED AFTER DRILLING PAST THE PROJECTED I.P. ANOMALY WITHOUT HITTING ANY MINERALIZATION.

UTM COORDINATES: NORTHING 6708138.2 EASTING 419018.5

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59	0.00	1.83	1.83		OB										
15.85	-60.50°	179.59	1.83	5.50	3.67		GD										
79.86	-62.00°	170.59	5.50	6.86	1.36		SCH										
143.87	-62.50°	171.59	6.86	10.31	3.45		GD										
			10.31	14.35	4.04		SCH										
			14.35	25.29	10.94		GD										
			25.29	27.97	2.68		SCH										
			27.97	33.22	5.25		GD										
			33.22	35.50	2.28		SCH										
			35.50	38.77	3.27		GD										
			38.77	40.92	2.15		FGD										
			40.92	76.20	35.28		GD										
			76.20	77.68	1.48		SAGD										
			77.68	121.55	43.87		GD										
			121.55	123.00	1.45		SAGD										
			123.00	130.61	7.61		AGD										
			130.61	134.04	3.43		FGD										
			134.04	148.44	14.40		AGD										

PROPERTY: LOGAN D.D.H. 87 -L- 29 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (t): 180.59 ° DEPTH: 125.27m
 CLAIM: LOGAN 10 NORTHING: 30.51 DATE STARTED: JULY 15N 1987
 SECTION: 510 W EASTING: -511.14 DATE FINISHED: JULY 21D 1987
 CORE SIZE: NQ ELEVATION: 1364.8 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 53 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL
 COMMENTS: HOLE L-29 WAS DRILLED TO TEST AN I.P. ANOMALY LOCATED BETWEEN 25S AND 25N ON LINE 500W. APPROXIMATELY 29m (16-45m) OF WEAKLY MINERALIZED CORE WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILING PAST THE I.P. ANOMALY WITHOUT INTERSECTING ANY SIGNIFICANT MINERALIZATION. 109ft OF CASING WAS LEFT DOWN THE HOLE.
 UTM COORDINATES: NORTHING 6707859.7 EASTING 419102.2
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	15.24	15.24		OB										
57.00	-61.50°	180.59°	15.24	16.15	0.91		SAGD										
117.96	-62.00°	171.59°	16.15	20.70	4.55		MOBX										
			20.70	45.00	24.30		FD										
			45.00	52.30	7.30		AGD										
			52.30	54.54	2.24		SAGD										
			54.54	67.70	13.16		AGD										
			67.70	71.21	3.51		SAGD										
			71.21	95.09	23.88		AGD										
			95.09	96.10	1.01		SCH										
			96.10	100.64	4.54		AGD										
			100.64	103.32	2.68		SCH										
			103.32	125.27	21.95		AGD										
ASSAYS AND ANALYSES																	
			16.00	18.00	2.00		MOBX	48586			0.30	0.11					
			18.00	19.00	1.00		MOBX	48587			0.17	< 0.02					
			19.00	20.00	1.00		MOBX	48588			0.45	0.05					
			20.00	21.00	1.00		MOBX	48589			1.98	0.21					
			21.00	23.00	2.00		FD	48590			1.76	0.15					
			23.00	25.00	2.00		FD	48591			0.24	0.03					
			25.00	27.00	2.00		FD	48592			0.28	< 0.02					
			27.00	29.00	2.00		FD	48593			0.23	0.02					
			29.00	31.00	2.00		FD	48594			0.06	< 0.02					
			31.00	33.00	2.00		FD	48595			0.04	< 0.02					
			33.00	35.00	2.00		FD	48596			0.24	< 0.02					
			35.00	37.00	2.00		FD	48597			0.16	< 0.02					
			37.00	39.00	2.00		FD	48598			0.05	< 0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 29 PAGE 2 OF 2

AREA: CLAIM: SECTION: CORE SIZE: CORE RECOVERY: COMMENTS:
DIP: NORTHING: EASTING: ELEVATION:
AZIMUTH (t):
DEPTH: DATE STARTED: DATE FINISHED: CONTRACTOR: LOGGED BY:
CORE STORED AT:

SURVEY DATA GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;

Table with columns: Depth, Dip, Az (t), From (m), To (m), Int. (m), T.W. (m), Geology, Sample No., Rec. %, S.G., Zn %, Ag oz/t, Sn, Cu, Pb, As, Au oz/t. Contains data for depths 39.00 to 49.00 with corresponding geology and assay values.

CORLI LERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 30 PAGE 1 OF 1

AREA: MAIN ZONE DIP: -60° AZIMUTH (I): 180.59° DEPTH: 39.17m
 CLAIM: LOGAN 10 NORTHING: 27.64 DATE STARTED: JULY 22N 1987
 SECTION: 600 W EASTING: -601.84 DATE FINISHED: JULY 23N 1987
 CORE SIZE: NQ ELEVATION: 1363.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 15 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-30 WAS DRILLED TO TEST AN I.P. ANOMALY LOCATED FROM (25S TO 10N) ON LINE 600W. NO SIGNIFICANT MINERALIZATION WAS INTERSECTED PRIOR TO THE HOLE BEING ABANDONED. THE CORE BARREL BROKE OF AND WAS LEFT DOWN THE HOLE.

UTM COORDINATES: NORTHING 6707806.2 EASTING 419028.9

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	18.29	18.29		OB										
			18.29	35.36	17.07		AGD										
			35.36	39.17	3.81		SAGD										

PROPERTY LOGAN D.D.H. L 87 - 31 PAGE 2 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			150.37	152.32	1.95		MQBX										
			152.32	153.70	1.38		AGD										
			153.70	156.31	2.61		SAGD										
			156.31	158.51	2.20		AGD										
			158.51	167.93	9.42		SAGD										
			167.93	173.18	5.25		AGD										
			173.18	186.36	13.18		SAGD										
			186.36	197.21	10.85		AGD										
ASSAYS AND ANALYSES																	
			9.00	10.00	1.00		MQBX	48310			0.60	0.38					
			10.00	11.00	1.00		MQBX	48311			0.99	0.60					
			11.00	12.00	1.00		MQBX	48312			0.33	0.46					
			12.00	13.00	1.00		FD	48313			0.06	0.12					
			13.00	14.00	1.00		FD	48314			0.04	0.09					
			14.00	15.00	1.00		AGD	48315			0.01	0.10					
			15.00	16.00	1.00		AGD	48316			0.02	0.10					
			16.00	17.00	1.00		AGD	48317			0.02	0.11					
			17.00	18.00	1.00		SAGD	48318			0.58	0.44					
			18.00	19.00	1.00		MQV	48319			2.07	1.27					
			19.00	20.00	1.00		FGD	48320			0.13	0.46					
			20.00	21.00	1.00		AGD	48321			0.02	0.18					
			21.00	22.00	1.00		AGD	48322			0.01	0.04					
			22.00	23.00	1.00		AGD	48323			9.46	0.96					
			23.00	24.00	1.00		AGD	48324			2.60	1.10					
			24.00	25.00	1.00		AGD	48325			1.68	0.79					
			25.00	26.00	1.00		AGD	48326			0.88	0.09					
			26.00	27.00	1.00		AGD	48327			1.67	0.49					
			27.00	28.00	1.00		AGD	48328			0.66	0.05					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 31 PAGE 3 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			28.00	29.00	1.00		AGD	48329			0.53	0.04					
			29.00	30.00	1.00		AGD	48330			4.70	0.42					
			30.00	31.00	1.00		AGD	48331			2.60	0.16					
			31.00	32.00	1.00		AGD	48332			1.01	0.11					
			32.00	33.00	1.00		AGD	48333			1.60	0.19					
			33.00	34.00	1.00		AGD	48334			1.12	0.27					
			34.00	36.00	2.00		SAGD	48335			0.89	0.04					
			36.00	38.00	2.00		SAGD	48336			0.55	0.05					
			38.00	40.00	2.00		AGD	48337			0.49	0.08					
			40.00	41.00	1.00		AGD	48338			0.76	0.08					
			41.00	42.00	1.00		AGD	48339			0.66	0.05					
			42.00	43.00	1.00		AGD	48340			7.10	0.77					
			43.00	44.00	1.00		AGD	48341			0.22	0.02					
			44.00	45.00	1.00		AGD	48342			0.14	< 0.02					
			45.00	46.00	1.00		AGD	48343			1.84	0.06					
			46.00	47.00	1.00		AGD	48344			0.88	0.06					
			47.00	48.00	1.00		AGD	48345			1.68	0.14					
			48.00	49.00	1.00		AGD	48346			8.20	0.75					
			49.00	50.00	1.00		AGD	48347			0.68	0.03					
			50.00	51.00	1.00		AGD	48348			0.92	0.06					
			51.00	52.00	1.00		AGD	48349			1.56	0.12					
			52.00	53.00	1.00		AGD	48350			1.12	0.05					
			53.00	54.00	1.00		AGD	48351			1.48	0.17					
			54.00	55.00	1.00		AGD	48352			0.94	0.08					
			55.00	56.00	1.00		AGD	48353			1.66	0.17					
			56.00	57.00	1.00		AGD	48354			1.38	0.10					
			57.00	58.00	1.00		AGD	48355			0.88	0.06					
			58.00	59.00	1.00		AGD	48356			0.52	0.04					
			59.00	60.00	1.00		AGD	48357			0.37	< 0.02					
			60.00	61.00	1.00		AGD	48358			1.12	0.15					
			61.00	62.00	1.00		AGD	48359			5.30	0.47					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 31 PAGE 4 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			62.00	63.00	1.00		AGD	48360			1.38	0.26					
			63.00	64.00	1.00		AGD	48361			0.78	0.06					
			64.00	65.00	1.00		AGD	48362			1.62	0.04					
			65.00	66.00	1.00		AGD	48363			2.98	0.17					
			66.00	67.00	1.00		AGD	48364			0.92	0.03					
			67.00	68.00	1.00		AGD	48365			0.39	0.02					
			68.00	69.00	1.00		AGD	48366			1.16	0.10					
			69.00	70.00	1.00		AGD	48367			0.36	0.02					
			70.00	71.00	1.00		AGD	48368			0.53	0.02					
			71.00	72.50	1.50		AGD	48369			1.52	0.11					
			72.50	73.50	1.00		MQV	48370			24.99	2.51					
			73.50	74.50	1.00		MQV	48371			24.33	1.25					
			74.50	76.00	1.50		AGD	48372			4.65	0.56					
			76.00	77.00	1.00		MQV	48373			12.07	1.40					
			77.00	78.00	1.00		AGD	48374			12.18	0.68					
			78.00	79.00	1.00		AGD	48375			3.84	0.28					
			79.00	80.00	1.00		AGD	48376			7.38	0.99					
			80.00	81.00	1.00		AGD	48377			5.50	0.35					
			81.00	82.00	1.00		MQBX	48378			11.72	2.10					
			82.00	83.00	1.00		MQBX	48379			12.10	1.48					
			83.00	84.00	1.00		MS	48380			32.13	3.05					
			84.00	85.00	1.00		AGD	48381			20.55	3.05					
			85.00	86.00	1.00		AGD	48382			3.10	0.47					
			86.00	87.00	1.00		AGD	48383			1.57	0.22					
			87.00	88.00	1.00		AGD	48384			1.74	0.06					
			88.00	89.00	1.00		FGD	48385			1.48	0.15					
			89.00	90.00	1.00		FGD	48386			1.42	0.08					
			90.00	91.00	1.00		AGD	48387			2.42	0.14					
			91.00	92.00	1.00		AGD	48388			1.76	0.07					
			92.00	93.00	1.00		AGD	48389			1.30	0.09					
			93.00	94.00	1.00		AGD	48390			1.50	0.39					
								CONTINUED									

VALUES BELOW IN PPM UNLESS NOTED

→

} 4.0

19.13

} 2.42

PROPERTY LOGAN D.D.H. L 87 - 31 PAGE 5 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			94.00	95.00	1.00		AGD	48391			1.89	0.36					
			95.00	96.00	1.00		AGD	48392			2.10	0.70					
			96.00	97.00	1.00		AGD	48393			1.30	0.24					
			97.00	98.00	1.00		AGD	48394			2.56	0.19					
			98.00	99.00	1.00		AGD	48395			2.70	0.15					
			99.00	100.00	1.00		AGD	48396			1.38	0.10					
			100.00	101.00	1.00		AGD	48397			12.98	1.75					
			101.00	102.00	1.00		AGD	48398			1.45	0.07					
			102.00	103.00	1.00		AGD	48399			0.88	0.09					
			103.00	104.00	1.00		AGD	48400			1.82	0.14					
			104.00	105.00	1.00		AGD	48401			14.95	10.56					
			105.00	106.00	1.00		AGD	48402			2.54	0.82					
			106.00	107.00	1.00		AGD	48403			3.30	1.42					
			107.00	108.00	1.00		AGD	48404			2.51	1.90					
			108.00	109.00	1.00		AGD	48405			6.62	0.90					
			109.00	110.00	1.00		AGD	48406			1.62	0.35					
			110.00	111.00	1.00		AGD	48407			3.70	0.31					
			111.00	112.00	1.00		AGD	48408			7.62	0.31					
			112.00	113.00	1.00		MQV	48409		10.16	15.05	2.42					
			113.00	114.00	1.00		MQV	48410			7.80	1.60					
			114.00	115.00	1.00		MQV	48411			3.00	0.92					
			115.00	116.00	1.00		FD	48412			3.42	0.57					
			116.00	117.00	1.00		FD	48413			7.36	0.53					
			117.00	118.00	1.00		FD	48414			9.00	2.19					
			118.00	119.00	1.00		FD	48415			3.30	0.82					
			119.00	120.00	1.00		FD	48416			4.90	1.00					
			120.00	121.00	1.00		AGD	48417			1.93	0.43					
			121.00	122.00	1.00		AGD	48418			3.82	0.66					
			122.00	123.00	1.00		MQV	48419			18.05	1.95					
			123.00	124.00	1.00		MAV	48420			3.69	0.60					
			124.00	125.00	1.00		AGD	48421			1.16	0.17					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 31 PAGE 6 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			125.00	126.00	1.00		AGD	48422			0.34	0.09					
			126.00	127.00	1.00		AGD	48423			0.35	0.06					
			127.00	128.00	1.00		MOBX	48424			0.37	0.11					
			128.00	129.00	1.00		MOBX	48425			0.45	0.06					
			129.00	130.00	1.00		AFD	48426			0.19	0.03					
			130.00	132.00	2.00		AFD	48427			0.17	0.02					
			132.00	134.00	2.00		QBX	48428			0.54	0.07					
			134.00	135.00	1.00		QBX	48429			0.05	0.02					
			135.00	136.00	1.00		QBX	48430			0.06	0.02					
			136.00	138.00	2.00		QBX	48431			2.55	0.47					
			138.00	140.00	2.00		AFD	48432			1.44	0.02					
			140.00	141.00	1.00		AFD	48433			0.54	0.02					
			141.00	143.00	2.00		AFD	48434			0.46	0.02					
			143.00	145.00	2.00		AFD	48435			0.14	0.02					
			145.00	146.00	1.00		SAGD	48436			1.48	0.06					
			146.00	148.00	2.00		SAGD	48437			0.63	0.02					
			148.00	149.00	1.00		SAGD	48438			0.23	0.07					
			149.00	150.00	1.00		SAGD	48439			0.09	< 0.02					
			150.00	151.00	1.00		MOBX	48440			0.14	0.10					
			151.00	152.00	1.00		MOBX	48441			0.13	0.11					
			152.00	153.00	1.00		AGD	48442			0.46	0.06					
			153.00	154.00	1.00		AGD	48443			0.16	< 0.02					
			154.00	155.00	1.00		SAGD	48444			0.04	< 0.02					
			155.00	156.00	1.00		SAGD	48445			0.10	< 0.02					
			156.00	157.00	1.00		AGD	48446			0.56	0.02					
			157.00	158.00	1.00		AGD	48447			0.66	0.06					
			158.00	160.00	2.00		SAGD	48448			0.06	< 0.02					
			160.00	162.00	2.00		SAGD	48449			0.09	0.02					

AVERAGES
CONTINUED

PROPERTY LOGAN D.D.H. L 87 - 31 PAGE 7 OF 7
 AREA: DIP: AZIMUTH (t): DEPTH:
 CLAIM: NORTHING: DATE STARTED:
 SECTION: EASTING: DATE FINISHED:
 CORE SIZE: ELEVATION: CONTRACTOR:
 CORE RECOVERY: CORE STORED AT: LOGGED BY:
 COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	VALUES BELOW IN PPM UNLESS NOTED					Au oz/t
													Sn	Cu	Pb	As		
			9.00	158.00	149.00						3.03	0.47						
			48.00	124.00	76.00						5.02	0.75						
			111.00	123.00	12.00						7.10	1.12						
			71.00	89.00	18.00						10.22	1.06						
			72.50	78.00	5.50						14.64	1.21						
			79.00	85.00	6.00						14.90	1.84						
			72.50	106.00	33.50						7.06	1.04						

PROPERTY LOGAN D.D.H. L 87 - 32 PAGE 3 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			85.00	86.00	1.00		AGD	48478			0.38	< 0.02						
			86.00	87.00	1.00		MBX	48479			0.11	0.02						
			87.00	88.00	1.00		AGD	48480			0.25	< 0.02						
			88.00	89.00	1.00		AGD	48481			0.22	< 0.02						
			89.00	90.00	1.00		AGD	48482			0.44	< 0.02						
			90.00	91.00	1.00		AGD	48483			0.08	< 0.02						
			91.00	92.00	1.00		SAGD	48484			0.07	0.02						
			92.00	93.00	1.00		AGD	48485			0.44	< 0.02						
			93.00	94.00	1.00		AGD	48486			6.30	0.51						
			94.00	95.00	1.00		AGD	48487			2.13	0.06						
			95.00	96.00	1.00		AGD	48488			1.08	0.06						
			96.00	97.00	1.00		AGD	48489			0.66	0.07						
			97.00	98.00	1.00		AGD	48490			0.80	0.12						
			98.00	99.00	1.00		AGD	48491			0.58	0.06						
			99.00	100.00	1.00		AGD	48492			0.72	0.03						
			100.00	101.00	1.00		AGD	48493			0.15	0.02						
			101.00	102.00	1.00		AGD	48494			0.32	0.12						
			102.00	103.00	1.00		AGD	48495			2.28	0.10						
			103.00	104.00	1.00		AGD	48496			0.64	0.03						
			104.00	105.00	1.00		SAGD	48497			0.18	0.02						
			105.00	106.00	1.00		SAGD	48498			0.83	0.04						
			106.00	107.00	1.00		SAGD	48499			0.45	0.12						
			107.00	108.00	1.00		AGD	48500			2.48	0.48						
			108.00	109.00	1.00		AGD	48501			0.37	0.02						
			109.00	110.00	1.00		AGD	48502			2.32	0.32						
			110.00	111.00	1.00		AGD	48503			0.21	0.07						
			111.00	112.00	1.00		AGD	48504			0.52	0.34						
			112.00	113.00	1.00		AGD	48505			0.64	0.07						
			113.00	114.00	1.00		AGD	48506			0.25	0.04						
			114.00	115.00	1.00		AGD	48507			0.76	0.03						
			115.00	116.00	1.00		AGD	48508			0.40	0.02						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 32 PAGE 4 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			116.00	117.00	1.00		AGD	48509			0.30	< 0.02					
			117.00	118.00	1.00		AGD	48510			4.31	0.47					
			118.00	119.00	1.00		AGD	48511			0.29	0.02					
			119.00	120.00	1.00		AGD	48512			0.34	< 0.02					
			120.00	121.00	1.00		AGD	48513			0.11	< 0.02					
			121.00	122.00	1.00		AGD	48514			0.39	0.02					
			122.00	123.00	1.00		AGD	48515			0.20	< 0.02					
			123.00	124.00	1.00		AGD	48516			0.37	0.02					
			124.00	125.00	1.00		AGD	48517			0.49	0.25					
			125.00	126.00	1.00		AGD	48518			0.28	< 0.02					
			126.00	127.00	1.00		AGD	48519			3.91	0.33					
			127.00	128.00	1.00		AGD	48520			2.20	0.08					
			128.00	129.00	1.00		AGD	48521			0.33	0.02					
			129.00	130.00	1.00		AGD	48522			0.36	0.02					
			130.00	131.00	1.00		AGD	48523			0.68	0.05					
			131.00	132.00	1.00		AGD	48524			0.78	0.05					
			132.00	133.00	1.00		AGD	48525			8.35	0.28					
			133.00	134.00	1.00		AGD	48526			1.80	0.05					
			134.00	135.00	1.00		AGD	48527			2.91	0.17					
			135.00	136.00	1.00		AGD	48528			1.20	0.05					
			136.00	137.00	1.00		AGD	48529			2.36	0.18					
			137.00	138.00	1.00		AGD	48530			4.35	0.26					
			138.00	139.00	1.00		AGD	48531			4.20	0.10					
			139.00	140.00	1.00		AGD	48532			3.07	0.11					
			140.00	141.00	1.00		AGD	48533			4.12	0.37					
			141.00	142.00	1.00		AGD	48534			2.96	0.16					
			142.00	143.00	1.00		AGD	48535			1.26	0.21					
			143.00	144.00	1.00		AGD	48536			3.47	0.23					
			144.00	145.00	1.00		AGD	48537			3.54	0.26					
			145.00	146.00	1.00		AGD	48538			1.69	0.27					
			146.00	147.00	1.00		AGD	48539			9.30	0.51					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 32 PAGE 5 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			147.00	148.00	1.00		AGD	48540			2.51	0.16					
			148.00	149.00	1.00		AGD	48541			4.30	0.60					
			149.00	150.00	1.00		AGD	48542			3.75	0.49					
			150.00	151.00	1.00		AGD	48543			2.00	0.14					
			151.00	152.00	1.00		AGD	48544			2.48	0.27					
			152.00	153.00	1.00		AGD	48545			5.89	1.60					
			153.00	154.00	1.00		AGD	48546			1.60	0.09					
			154.00	155.00	1.00		AGD	48547			4.30	0.18					
			155.00	156.00	1.00		AGD	48548			1.08	0.09					
			156.00	157.00	1.00		AGD	48549			3.41	0.38					
			157.00	158.00	1.00		AGD	48550			12.73	0.51					
			158.00	159.00	1.00		AGD	48551			3.59	0.30					
			159.00	160.00	1.00		AGD	48552			1.28	0.08					
			160.00	161.00	1.00		AGD	48553			1.72	0.11					
			161.00	162.00	1.00		AGD	48554			2.64	0.12					
			162.00	163.00	1.00		AGD	48555			3.10	0.29					
			163.00	164.00	1.00		AGD	48556			10.81	2.33					
			164.00	165.00	1.00		AGD	48557			7.23	0.45					
			165.00	166.00	1.00		AGD	48558			5.80	0.35					
			166.00	167.00	1.00		AGD	48559			5.15	0.62					
			167.00	168.00	1.00		AGD	48560			5.20	0.64					
			168.00	169.00	1.00		AGD	48561			12.07	0.59					
			169.00	170.00	1.00		AGD	48562			0.94	0.15					
			170.00	171.00	1.00		AGD	48563			3.00	0.16					
			171.00	172.00	1.00		AGD	48564			2.30	0.24					
			172.00	173.00	1.00		AGD	48565			2.32	0.21					
			173.00	174.00	1.00		AFD	48566			3.30	0.74					
			174.00	175.00	1.00	} 30	AFD	48567	} 9.35		9.64	0.80	} 1.28				
			175.00	176.00	1.00		AFD	48568			7.94	1.15					
			176.00	177.00	1.00		AFD	48569			10.48	1.88					
			177.00	178.00	1.00		AFD	48570			6.05	0.46					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 32 PAGE 6 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
			VALUES BELOW IN PPM UNLESS NOTED														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			178.00	180.00	2.00		AFD	48571			2.89	0.28					
			180.00	181.00	1.00		AGD	48572			3.28	0.28					
			181.00	183.00	2.00		AGD	48573			2.32	0.28					
			183.00	184.00	1.00		AGD	48574			2.96	0.47					
			184.00	185.00	1.00		MQBX	48575			2.71	0.84					
			185.00	186.00	1.00		MQBX	48576			3.78	1.46					
			186.00	187.00	1.00		MQBX	48577			5.06	0.64					
			187.00	188.00	1.00		MQBX	48578			2.60	0.74					
			188.00	189.00	1.00		FD	48579			1.16	0.25					
			189.00	190.00	1.00		FD	48580			0.86	0.05					
			190.00	191.00	1.00		FD	48581			0.36	0.02					
			191.00	193.00	2.00		FD	48582			1.22	0.03					
			193.00	195.00	2.00		FD	48583			1.66	0.04					
			195.00	197.00	2.00		SAGD	48584			0.38	< 0.02					
			197.00	199.00	2.00		SAGD	48585			0.02	0.02					
							AVERAGES										
			102.00	189.00	87.00						3.02	0.32					
			156.00	181.00	25.00						5.19	0.54					
			162.00	169.00	7.00						7.05	0.75					
			173.00	178.00	5.00						7.48	1.01					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: LOGAN D.D.H. 87 -L- 33 PAGE 1 OF 5

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 131.98m

CLAIM: LOGAN 3 NORTHING: 164.96 DATE STARTED: JULY 24N 1987

SECTION: 195 E EASTING: 192.28 DATE FINISHED: JULY 27N 1987

CORE SIZE: NQ ELEVATION: 1378.1 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 77 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-33 WAS DRILLED TO TEST FOR AN UPDIP AND SOUTHWARD EXTENSION OF MINERALIZATION INTERSECTED IN HOLES L-31 AND L-32. APPROXIMATELY 110m (10-120m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING PAST THE PROJECTED TARGET ZONE AND DRILLING 12m OF BARREN CORE.

UTM COORDINATES: NDRTHING 6708367.3 EASTING 419607.4

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	9.75	9.75		QB										
16.15	-58.00°	162.59°	9.75	30.02	20.27		AGD										
66.45	-58.00°	172.59°	30.02	31.10	1.08		MS										
127.41	-60.00°	171.59°	31.10	43.05	11.95		AGD										
			43.05	44.17	1.12		MQV										
			44.17	46.04	1.87		FD										
			46.04	63.04	17.00		AGD										
			63.04	64.73	1.69		MQV										
			64.73	66.42	1.69		MAV										
			66.42	69.52	3.10		MQV										
			69.52	70.65	1.13		MAV										
			70.65	72.00	1.35		MQBX										
			72.00	73.67	1.67		AGD										
			73.67	77.90	4.23		MQBX										
			77.90	78.58	0.68		AGD										
			78.58	79.75	1.17		FD										
			79.75	84.59	4.84		SAGD										
			84.59	86.60	2.01		AGD										
			86.60	90.00	3.40		FGD										
			90.00	94.28	4.28		AGD										
			94.28	95.40	1.12		SAGD										
			95.40	131.98	36.58		AGD										
								ASSAYS AND ANALYSES									
			9.75	11.00	1.25		AGD	48605			0.03	0.17					
			11.00	12.00	1.00		AGD	48606			0.01	0.33					
			12.00	13.00	1.00		AGD	48607			0.14	0.79					
			13.00	14.00	1.00		AGD	48608			0.21	0.17					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 33 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			14.00	15.00	1.00		AGD	48609			0.10	0.16					
			15.00	16.00	1.00		AGD	48610			0.09	0.27					
			16.00	17.00	1.00		AGD	48611			0.03	0.11					
			17.00	18.00	1.00		AGD	48612			0.08	0.34					
			18.00	20.00	2.00		AGD	48613			0.02	0.25					
			20.00	21.00	1.00		AGD	48614			0.02	0.21					
			21.00	22.00	1.00		AGD	48615			0.02	0.14					
			22.00	23.00	1.00		AGD	48616			0.54	0.82					
			23.00	24.00	1.00		AGD	48617			0.12	0.22					
			24.00	25.00	1.00		AGD	48618			1.09	0.67					
			25.00	26.00	1.00		AGD	48619			2.55	1.57					
			26.00	27.00	1.00		AGD	48620			2.21	0.86					
			27.00	28.00	1.00		AGD	48621			2.80	0.92					
			28.00	29.00	1.00		AGD	48622			1.15	0.17					
			29.00	30.00	1.00		AGD	48623			1.86	0.39					
			30.00	31.00	1.00		MS	48624			26.57	6.66					
			31.00	32.00	1.00		AGD	48625			14.75	4.91					
			32.00	33.00	1.00		AGD	48626			6.51	1.77					
			33.00	34.00	1.00		AGD	48627			5.26	1.06					
			34.00	35.00	1.00		AGD	48628			1.10	0.21					
			35.00	36.00	1.00		AGD	48629			1.28	0.26					
			36.00	37.00	1.00		AGD	48630			1.20	0.16					
			37.00	38.00	1.00		AGD	48631			2.30	0.33					
			38.00	39.00	1.00		AGD	48632			2.10	0.31					
			39.00	40.00	1.00		AGD	48633			2.76	0.74					
			40.00	41.00	1.00		AGD	48634			12.00	1.55					
			41.00	42.00	1.00		AGD	48635			4.60	1.06					
			42.00	43.00	1.00		AGD	48636			11.80	2.27					
			43.00	44.00	1.00		MBV	48637			7.80	1.29					
			44.00	45.00	1.00		FD	48638			6.28	1.04					
			45.00	46.00	1.00		FD	48639			11.67	2.18					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 33 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			46.00	47.00	1.00		AGD	48640			4.78	0.82					
			47.00	48.00	1.00		AGD	48641			9.20	1.18					
			48.00	49.00	1.00		AGD	48642			7.82	1.13					
			49.00	50.00	1.00		AGD	48643			4.15	0.53					
			50.00	51.00	1.00		AGD	48644			3.08	0.85					
			51.00	52.00	1.00		AGD	48645			7.50	1.64					
			52.00	53.00	1.00		AGD	48646			5.10	1.67					
			53.00	54.00	1.00		AGD	48647			3.81	0.73					
			54.00	55.00	1.00		AGD	48648			2.17	0.19					
			55.00	56.00	1.00		AGD	48649			2.01	0.14					
			56.00	57.00	1.00		AGD	48650			3.20	0.31					
			57.00	58.00	1.00		AGD	48651			1.48	0.75					
			58.00	59.00	1.00		AGD	48652			0.76	0.20					
			59.00	60.00	1.00		AGD	48653			1.69	0.42					
			60.00	61.00	1.00		AGD	48654			3.61	1.29					
			61.00	62.00	1.00		AGD	48655			3.73	0.56					
			62.00	63.00	1.00		AGD	48656			6.10	0.85					
			63.00	64.00	1.00		AGD	48657			9.40	2.84					
			64.00	65.00	1.00		MQV	48658		1304	16.80	1.71					2.74
			65.00	66.00	1.00		MAV	48659			9.36	1.51					
			66.00	67.00	1.00		MQV	48660			16.58	4.89					
			67.00	68.00	1.00		MQV	48661			4.51	1.29					
			68.00	69.00	1.00		MQV	48662			12.17	1.14					
			69.00	70.00	1.00		MQV	48663		14.24	10.29	1.10					1.41
			70.00	71.00	1.00		MAV	48664			20.25	2.00					
			71.00	72.00	1.00		MQBX	48665			3.50	0.58					
			72.00	73.00	1.00		AGD	48666			0.33	0.04					
			73.00	74.00	1.00		AGD	48667			0.13	0.17					
			74.00	75.00	1.00		MQBX	48668			0.29	0.12					
			75.00	76.00	1.00		MQBX	48669			0.19	0.07					
			76.00	77.00	1.00		MQBX	48670			0.12	0.03					

CONTINUED

PROPERTY LOGAN D.D.H. L 87 - 33 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			77.00	78.00	1.00		MQBX	48671			0.22	0.04					
			78.00	79.00	1.00		AGD	48672			0.77	0.08					
			79.00	80.00	1.00		FD	48673			0.64	0.11					
			80.00	82.00	2.00		SAGD	48674			0.53	0.09					
			82.00	84.00	2.00		SAGD	48675			0.28	0.02					
			84.00	86.00	2.00		AGD	48676			14.24	0.45					
			86.00	88.00	2.00		FGD	48677			0.57	0.02					
			88.00	90.00	2.00		FGD	48678			0.30	0.04					
			90.00	92.00	2.00		AGD	48679			0.22	< 0.02					
			92.00	94.00	2.00		AGD	48680			0.16	< 0.02					
			94.00	96.00	2.00		SAGD	48681			0.19	< 0.02					
			96.00	98.00	2.00		AGD	48682			2.71	0.29					
			98.00	100.00	2.00		AGD	48683			0.42	< 0.02					
			100.00	102.00	2.00		AGD	48684			0.57	< 0.02					
			102.00	104.00	2.00		AGD	48685			0.92	0.06					
			104.00	106.00	2.00		AGD	48686			0.45	0.02					
			106.00	108.00	2.00		AGD	48687			0.12	< 0.02					
			108.00	110.00	2.00		AGD	48688			0.12	< 0.02					
			110.00	112.00	2.00		AGD	48689			0.20	0.02					
			112.00	114.00	2.00		AGD	48690			0.30	< 0.02					
			114.00	116.00	2.00		AGD	48691			0.73	0.03					
			116.00	118.00	2.00		AGD	48692			0.53	< 0.02					
			118.00	120.00	2.00		AGD	48693			0.17	< 0.02					
			120.00	122.00	2.00		AGD	48694			0.06	< 0.02					
								AVERAGES									
			9.75	122.00	112.25						3.16	0.61					
			22.00	88.00	66.00						5.11	0.96					
			25.00	34.00	9.00						7.07	2.03					
								CONTINUED									

CORDELLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 34 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 124.36m
 CLAIM: LOGAN 3 NORTHING: 185.69 DATE STARTED: JULY 23D 1987
 SECTION: 95 E EASTING: 92.02 DATE FINISHED: JULY 26D 1987
 CORE SIZE: NQ ELEVATION: 1374.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 69 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-34 WAS DRILLED TO TEST FOR AN UPDIP AND SOUTHWARD EXTENSION OF MINERALIZATION FOUND IN HOLES L-14,L-25 AND L-26, APROXIMATELY 102m (8-110m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 14m OF BARREN CORE.
 UTM COORDINATES: NORTHING 6708327.9 EASTING 419512.9
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	7.92	7.92		OB											
16.76	-60.50°	171.59°	7.92	11.58	3.66		AGD											
58.83	-61.00°	178.59°	11.58	13.11	1.53		NR											
119.79	-63.00°	174.59°	13.11	18.60	5.49		AGD											
			18.60	19.55	0.95		MQV											
			19.55	20.45	0.90		AGD											
			20.45	22.35	1.90		MS											
			22.35	24.70	2.35		AGD											
			24.70	25.95	1.25		MQV											
			25.95	28.05	2.10		AGD											
			28.05	29.25	1.20		MQV											
			29.25	65.30	36.05		AGD											
			65.30	66.95	1.65		MQV											
			66.95	74.45	7.50		FD											
			74.45	75.30	0.85		AGD											
			75.30	78.28	2.98		MQV											
			78.28	86.90	8.62		MQBX											
			86.90	95.30	8.40		AGD											
			95.30	98.00	2.70		MQBX											
			98.00	99.60	1.60		MABX											
			99.60	100.30	0.70		FD											
			100.30	100.65	0.35		AGD											
			100.65	103.90	3.25		SAGD											
			103.90	107.05	3.15		AGD											
			107.05	108.90	1.85		SAGD											
			108.90	109.65	0.75		MABX											
			109.65	111.25	1.60		SAGD											
			111.25	124.36	13.11		AGD											
								ASSAYS AND ANALYSES										
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 34 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			8.00	9.00	1.00		AGD	48695			0.02	0.20						
			9.00	10.00	1.00		AGD	48696			0.06	0.11						
			10.00	11.50	1.50		AGD	48697			0.02	0.06						
			13.00	14.00	1.00		AGD	48698			3.00	0.31						
			14.00	15.00	1.00		AGD	48699			7.96	1.44						
			15.00	16.00	1.00		AGD	48700			1.64	0.17						
			16.00	17.00	1.00		AGD	48701			1.80	0.61						
			17.00	18.00	1.00		AGD	48702			1.46	0.39						
			18.00	19.00	1.00	} 5.0	MQV	48703			9.66	3.65	} 2.99					
			19.00	20.00	1.00		AGD	48704			24.58	3.33						
			20.00	21.00	1.00		MS	48705		22.15	25.09	2.76						
			21.00	22.00	1.00		MS	48706			40.50	3.62						
			22.00	23.00	1.00		AGD	48707			10.91	1.58						
			23.00	24.00	1.00		AGD	48708			2.14	0.13						
			24.00	25.00	1.00		AGD	48709			2.98	0.59						
			25.00	26.00	1.00		MQV	48710			4.60	1.27						
			26.00	27.00	1.00		AGD	48711			4.17	0.54						
			27.00	28.00	1.00		AGD	48712			6.50	1.37						
			28.00	29.00	1.00		MQV	48713			4.85	2.81						
			29.00	30.00	1.00		AGD	48714			3.02	0.95						
			30.00	31.00	1.00		AGD	48715			3.10	0.43						
			31.00	32.00	1.00		AGD	48716			3.52	0.51						
			32.00	33.00	1.00		AGD	48717			1.47	0.17						
			33.00	34.00	1.00		AGD	48718			1.73	0.18						
			34.00	35.00	1.00		AGD	48719			3.86	1.43						
			35.00	36.00	1.00		AGD	48720			1.46	0.13						
			36.00	37.00	1.00		AGD	48721			1.17	0.13						
			37.00	38.00	1.00		AGD	48722			2.40	0.49						
			38.00	39.00	1.00		AGD	48723			3.70	0.49						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 34 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			39.00	40.00	1.00		AGD	48724			0.93	0.20					
			40.00	41.00	1.00		AGD	48725			1.60	0.33					
			41.00	42.00	1.00		AGD	48726			1.47	0.39					
			42.00	43.00	1.00		AGD	48727			1.28	0.23					
			43.00	44.00	1.00		AGD	48728			1.94	0.24					
			44.00	45.00	1.00		AGD	48729			1.44	0.24					
			45.00	46.00	1.00		AGD	48730			1.38	0.14					
			46.00	47.00	1.00		AGD	48731			1.37	0.13					
			47.00	48.00	1.00		AGD	48732			1.24	0.13					
			48.00	49.00	1.00		AGD	48733			2.60	0.22					
			49.00	50.00	1.00		AGD	48734			1.62	0.13					
			50.00	51.00	1.00		AGD	48735			1.19	0.18					
			51.00	52.00	1.00		AGD	48736			3.10	0.86					
			52.00	53.00	1.00		AGD	48737			1.59	0.09					
			53.00	54.00	1.00		AGD	48738			0.87	0.53					
			54.00	55.00	1.00		AGD	48739			1.90	0.13					
			55.00	56.00	1.00		AGD	48740			1.35	0.10					
			56.00	57.00	1.00		AGD	48741			1.14	0.08					
			57.00	58.00	1.00		AGD	48742			1.37	0.10					
			58.00	59.00	1.00		AGD	48743			2.70	0.38					
			59.00	60.00	1.00		AGD	48744			1.43	0.10					
			60.00	61.00	1.00		AGD	48745			3.84	0.40					
			61.00	62.00	1.00		AGD	48746			2.03	0.50					
			62.00	63.00	1.00		AGD	48747			2.90	0.38					
			63.00	65.00	2.00		AGD	48748			1.74	0.39					
			65.00	67.00	2.00	} 3.0	MGV	48749		11.54	12.40	2.48	} 2.53				
			67.00	68.00	1.00		FD	48750			9.82	2.62					
			68.00	69.00	1.00		FD	48751			3.24	0.78					
			69.00	70.00	1.00		FD	48752			11.69	1.70					
			70.00	71.00	1.00		FD	48753			1.24	0.47					
			71.00	72.00	1.00		FD	48754			3.00	0.54					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 34 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			72.00	73.00	1.00		FD	48755			2.49	0.49						
			73.00	74.00	1.00		FD	48756			2.97	0.43						
			74.00	75.00	1.00		AGD	48757			4.35	0.50						
			75.00	76.00	1.00		MQV	48758			7.50	0.97						
			76.00	77.00	1.00		MQV	48759			7.08	0.70						
			77.00	78.00	1.00		MQV	48760			3.88	0.25						
			78.00	79.00	1.00		MQBX	48761			2.42	0.31						
			79.00	80.00	1.00		MQBX	48762			5.30	0.44						
			80.00	81.00	1.00		MQBX	48763			4.65	0.44						
			81.00	82.00	1.00		MQV	48764			1.66	0.12						
			82.00	83.00	1.00		MQBX	48765			6.75	0.29						
			83.00	84.00	1.00	} 3.0	MQBX	48766			8.68	0.46	} 0.83					
			84.00	85.00	1.00		MQBX	48767		10.57	14.38	0.88						
			85.00	86.00	1.00		MQBX	48768			8.64	1.16						
			86.00	87.00	1.00		MQBX	48769			5.90	0.65						
			87.00	88.00	1.00		AGD	48770			5.10	0.69						
			88.00	89.00	1.00		AGD	48771			4.35	0.40						
			89.00	90.00	1.00		AGD	48772			2.75	0.42						
			90.00	91.00	1.00		AGD	48773			2.37	0.17						
			91.00	92.00	1.00		AGD	48774			0.88	0.07						
			92.00	93.00	1.00		AGD	48775			1.93	0.19						
			93.00	94.00	1.00		AGD	48776			0.29	0.03						
			94.00	95.00	1.00		AGD	48777			0.36	0.03						
			95.00	96.00	1.00		MQBX	48778			0.18	0.07						
			96.00	97.00	1.00		MQBX	48779			0.05	0.03						
			97.00	98.00	1.00		MQBX	48780			0.05	0.02						
			98.00	99.00	1.00		MABX	48781			5.70	0.75						
			99.00	100.00	1.00		MABX	48782			3.40	0.27						
			100.00	101.00	1.00		AGD	48783			3.22	0.44						
			101.00	103.00	2.00		SAGD	48784			0.39	0.04						
			103.00	105.00	2.00		AGD	48785			1.33	0.03						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 34 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			105.00	107.00	2.00		AGD	48786			0.76	0.02					
			107.00	109.00	2.00		SAGD	48787			0.84	0.11					
			109.00	111.00	2.00		SAGD	48788			3.07	0.22					
			111.00	113.00	2.00		AGD	48789			1.25	0.03					
			113.00	115.00	2.00		AGD	48790			0.20	< 0.02					
			115.00	117.00	2.00		AGD	48791			1.10	0.02					
			117.00	119.00	2.00		AGD	48792			0.91	< 0.02					
			119.00	121.00	2.00		AGD	48793			0.06	0.02					
								AVERAGES									
			8.00	121.00	113.00						3.69	0.54					
			18.00	90.00	72.00						5.00	0.75					
			13.00	37.00	24.00						7.13	1.19					
			63.00	70.00	7.00						7.58	1.55					
			82.00	90.00	8.00						7.07	0.62					
			13.00	27.00	14.00						10.03	1.46					
			18.00	26.00	8.00						15.06	2.12					

PROPERTY LOGAN D.D.H. 87 -L- 35 PAGE 1 OF 5

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 215.49m
 CLAIM: LOGAN 3 NORTHING: 243.95 DATE STARTED: JULY 26N 1987
 SECTION: 275 E EASTING: 274.52 DATE FINISHED: JULY 31N 1987
 CORE SIZE: NQ ELEVATION: 1388.9 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 79 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-35 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD CONTINUITY OF MINERALIZATION INTERSECTED IN HOLE L-3. APPROXIMATELY 179m (17-196m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 15m OF BARREN CORE.
 UTM COORDINATES: NORTHING 6708478.9 EASTING 419630.8
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA				GEOLOGY AND ASSAY RECORD													
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	4.26	4.26		DB										
14.33	-61.00°	174.59°	4.26	16.95	12.69		AGD										
87.48	-62.00°	178.59°	16.95	17.41	0.46		FD										
148.44	-62.50°	167.59°	17.41	17.85	0.44		MQV										
209.40	-63.50°	171.59°	17.85	35.13	17.28		AGD										
			35.13	36.28	1.15		SAGD										
			36.28	42.98	6.70		AGD										
			42.98	45.06	2.08		SAGD										
			45.06	66.46	21.40		AGD										
			66.46	69.29	2.83		FGD										
			69.29	70.60	1.31		MQV										
			70.60	73.50	2.90		FGD										
			73.50	75.95	2.45		AGD										
			75.95	77.00	1.05		FGD										
			77.00	78.54	1.54		AGD										
			78.54	81.99	3.45		FGD										
			81.99	87.15	5.16		AGD										
			87.15	88.39	1.24		MQV										
			88.39	90.02	1.63		AGD										
			90.02	96.32	6.30		FGD										
			96.32	98.09	1.77		GM										
			98.09	104.75	6.66		AGD										
			104.75	107.90	3.15		FGD										
			107.90	120.30	12.40		AGD										
			120.30	127.41	7.11		FD										
			127.41	141.73	14.32		AGD										
			141.73	144.48	2.75		FGD										
			144.48	146.98	2.50		AGD										
			146.98	151.18	4.20		MQV										
			151.18	160.32	9.14		FD										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 35 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			160.32	164.00	3.68		QBX											
			164.00	166.36	2.36		FD											
			166.36	177.17	10.81		AFD											
			177.17	187.93	10.76		SAGD											
			187.93	190.00	2.07		FGD											
			190.00	194.90	4.90		AGD											
			194.90	195.98	1.08		FGD											
			195.98	200.71	4.73		AGD											
			200.71	204.95	4.24		SAGD											
			204.95	213.82	8.87		AGD											
			213.82	215.13	1.31		SCH											
			215.13	215.49	0.36		AGD											
ASSAYS AND ANALYSES																		
			13.00	15.00	2.00		AGD	48794			0.08	0.03						
			15.00	17.00	2.00		AGD	48795			0.02	< 0.02						
			17.00	19.00	2.00		AGD	48796			0.03	0.08						
			19.00	21.00	2.00		AGD	48797			0.02	0.10						
			21.00	23.00	2.00		AGD	48798			0.11	0.12						
			23.00	25.00	2.00		AGD	48799			0.28	0.15						
			25.00	27.00	2.00		AGD	48800			0.40	0.12						
			27.00	29.00	2.00		AGD	48801			0.30	< 0.02						
			29.00	31.00	2.00		AGD	48802			1.08	0.07						
			31.00	32.00	1.00		AGD	48803			3.04	0.43						
			32.00	34.00	2.00		AGD	48804			0.10	0.86						
			34.00	36.00	2.00		AGD	48805			0.05	0.02						
			36.00	38.00	2.00		AGD	48806			0.34	< 0.02						
			38.00	39.00	1.00		AGD	48807			0.54	< 0.02						
			39.00	40.00	1.00		AGD	48808			1.69	0.18						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 35 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			40.00	41.00	1.00		AGD	48809			2.35	1.39					
			41.00	43.00	2.00		AGD	48810			0.66	0.08					
			43.00	45.00	2.00		SAGD	48811			0.12	0.26					
			45.00	46.00	1.00		AGD	48812			6.79	1.77					
			46.00	47.00	1.00		AGD	48813			1.34	0.18					
			47.00	48.00	1.00		AGD	48814			3.60	0.27					
			48.00	49.00	1.00		AGD	48815			0.84	0.05					
			49.00	51.00	2.00		AGD	48816			0.86	0.09					
			51.00	53.00	2.00		AGD	48817			1.45	0.22					
			53.00	55.00	2.00		AGD	48818			1.16	0.11					
			55.00	56.00	1.00		AGD	48819			0.57	0.12					
			56.00	57.00	1.00		AGD	48820			2.17	0.45					
			57.00	59.00	2.00		AGD	48821			0.87	0.04					
			59.00	60.00	1.00		AGD	48822			1.08	0.04					
			60.00	62.00	2.00		AGD	48823			0.68	0.04					
			62.00	63.00	1.00		AGD	48824			1.71	0.19					
			63.00	65.00	2.00		AGD	48825			1.81	0.40					
			65.00	67.00	2.00		AGD	48826			0.76	0.08					
			67.00	69.00	2.00		FGD	48827			0.67	0.07					
			69.00	70.00	1.00		MQV	48828			6.65	2.16					
			70.00	71.00	1.00		MQV	48829			8.62	0.66					
			71.00	73.00	2.00		FGD	48830			0.64	0.07					
			73.00	74.00	1.00		MQV	48831			5.52	0.44					
			74.00	76.00	2.00		AGD	48832			1.09	0.08					
			76.00	78.00	2.00		AGD	48833			0.68	0.03					
			78.00	80.00	2.00		FGD	48834			0.55	< 0.02					
			80.00	82.00	2.00		FGD	48835			0.08	< 0.02					
			82.00	84.00	2.00		AGD	48836			0.31	< 0.02					
			84.00	86.00	2.00		AGD	48837			0.41	0.05					
			86.00	88.00	2.00		AGD	48838			1.01	0.51					
			88.00	90.00	2.00		AGD	48839			0.87	0.09					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 35 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			90.00	93.00	3.00		FGD	48840			1.67	0.19					
			93.00	95.00	2.00		FGD	48841			0.45	0.04					
			95.00	97.00	2.00		FGD	48842			1.03	< 0.02					
			97.00	99.00	2.00		AGD	48843			0.51	< 0.02					
			99.00	101.00	2.00		AGD	48844			0.33	< 0.02					
			101.00	103.00	2.00		AGD	48845			0.54	0.03					
			103.00	105.00	2.00		AGD	48846			0.37	0.02					
			105.00	107.00	2.00		FGD	48847			0.22	< 0.02					
			107.00	109.00	2.00		AGD	48848			0.43	0.06					
			109.00	111.00	2.00		AGD	48849			0.31	< 0.02					
			111.00	113.00	2.00		AGD	48850			0.24	< 0.02					
			113.00	115.00	2.00		AGD	48851			1.30	0.16					
			115.00	117.00	2.00		AGD	48852			0.63	< 0.02					
			117.00	119.00	2.00		AGD	48853			0.27	< 0.02					
			119.00	121.00	2.00		AGD	48854			0.42	0.02					
			121.00	123.00	2.00		FD	48855			0.46	0.02					
			123.00	125.00	2.00		FD	48856			0.26	0.02					
			125.00	127.00	2.00		FD	48857			0.23	0.02					
			127.00	129.00	2.00		AGD	48858			0.32	< 0.02					
			129.00	131.00	2.00		AGD	48859			0.40	0.05					
			131.00	133.00	2.00		AGD	48860			0.20	< 0.02					
			133.00	135.00	2.00		AGD	48861			0.74	0.07					
			135.00	137.00	2.00		AGD	48862			0.31	0.07					
			137.00	139.00	2.00		AGD	48863			0.14	0.17					
			139.00	141.00	2.00		AGD	48864			0.17	0.16					
			141.00	143.00	2.00		FGD	48865			0.41	0.04					
			143.00	144.00	1.00		FGD	48866			0.13	0.15					
			144.00	145.00	1.00		AGD	48867			0.28	0.08					
			145.00	146.00	1.00		AGD	48868			0.34	0.12					
			146.00	147.00	1.00		AGD	48869			0.47	0.30					
			147.00	149.00	2.00		MGV	48870			1.58	0.20					
								CONTINUED									

PROPERTY LOGAN D.D.H. 87 -L- 36 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -60° AZIMUTH (t): 180.59° DEPTH: 248.11m

CLAIM: LOGAN 3 NORTHING: 299.73 DATE STARTED: JULY 27D 1987

SECTION: 275 E EASTING: 274.58 DATE FINISHED: JULY 31D 1987

CORE SIZE: NQ ELEVATION: 1395.2 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 88% CORE STORED AT: LOGAN PROP. LOGGED BY: FALL DONKERSLOOT

COMMENTS: HOLE L-36 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF A MINERALIZED ZONE FOUND IN HOLES L-3 AND L-35, APPROXIMATELY 134m (77-211m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 31m OF BARREN CORE,

UTM COORDINATES: NORTHING 6708525.0 EASTING 419599.4

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED					
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t				
0.00	-60.00°	180.59°	0.00	6.40	6.40		DB														
13.11	-60.00°	169.59°	6.40	67.00	60.60		AGD														
63.70	-60.00°	179.59°	67.00	70.30	3.30		SAGD														
124.66	-60.00°	179.59°	70.30	75.20	4.90		AGD														
246.58	-61.00°	178.59°	75.20	77.30	2.10		SAGD														
			77.30	81.08	3.78		AGD														
			81.08	82.91	1.83		NR														
			82.91	93.80	10.89		AGD														
			93.80	95.65	1.85		FGD														
			95.65	109.60	13.95		AGD														
			109.60	111.95	2.35		MQV														
			111.95	133.08	21.13		AGD														
			133.08	135.70	2.62		MQV														
			135.70	139.30	3.60		AGD														
			139.30	142.00	2.70		FGD														
			142.00	144.78	2.78		AGD														
			144.78	146.85	2.07		MQV														
			146.85	149.20	2.35		AGD														
			149.20	150.00	0.80		MQV														
			150.00	183.70	33.70		AGD														
			183.70	189.90	6.20		FD														
			189.90	211.20	21.30		AGD														
			211.20	217.00	5.80		SAGD														
			217.00	219.50	2.50		AFD														
			219.50	245.90	26.40		AGD														
			245.90	247.20	1.30		SCH														
			247.20	248.11	0.91		AGD														
									ASSAYS AND ANALYSES												
									CONTINUED												

PROPERTY LOGAN D.D.H. L 87 - 36 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			133.00	134.00	1.00		MQV	48923			8.60	1.49					
			134.00	135.00	1.00		MQV	48924			2.51	0.33					
			135.00	137.00	2.00		AGD	48925			1.28	0.12					
			137.00	139.00	2.00		AGD	48926			0.85	0.04					
			139.00	141.00	2.00		FGD	48927			0.66	0.04					
			141.00	143.00	2.00		FGD	48928			1.55	0.45					
			143.00	145.00	2.00		AGD	48929			1.26	0.12					
			145.00	147.00	2.00		AGD	48930			0.82	0.66					
			147.00	149.00	2.00		AGD	48931			1.41	0.15					
			149.00	151.00	2.00		AGD	48932			0.95	0.22					
			151.00	153.00	2.00		AGD	48933			0.32	0.04					
			153.00	155.00	2.00		AGD	48934			0.38	0.03					
			155.00	157.00	2.00		AGD	48935			1.68	0.21					
			157.00	159.00	2.00		AGD	48936			0.75	0.08					
			159.00	161.00	2.00		AGD	48937			1.41	0.21					
			161.00	163.00	2.00		AGD	48938			0.32	0.02					
			163.00	165.00	2.00		AGD	48939			2.67	0.63					
			165.00	167.00	2.00		AGD	48940			1.14	0.15					
			167.00	169.00	2.00		AGD	48941			0.24	0.02					
			169.00	171.00	2.00		AGD	48942			0.57	0.21					
			171.00	173.00	2.00		AGD	48943			0.57	0.04					
			173.00	175.00	2.00		AGD	48944			0.89	0.09					
			175.00	177.00	2.00		AGD	48945			1.37	0.16					
			177.00	179.00	2.00		AGD	48946			0.94	0.56					
			179.00	181.00	2.00		AGD	48947			0.43	0.06					
			181.00	183.00	2.00		AGD	48948			0.70	0.07					
			183.00	185.00	2.00		FD	48949			0.71	0.12					
			185.00	187.00	2.00		FD	48950			2.25	0.29					
			187.00	189.00	2.00		FD	48951			1.38	0.41					
			189.00	191.00	2.00		AGD	48952			1.30	0.19					
			191.00	193.00	2.00		AGD	48953			4.71	0.84					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 36 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			193.00	195.00	2.00		AGD	48954			2.86	0.24					
			195.00	197.00	2.00		AGD	48955			3.40	0.28					
			197.00	199.00	2.00		AGD	48956			3.47	0.33					
			199.00	201.00	2.00		AGD	48957			2.38	0.19					
			201.00	203.00	2.00		AGD	48958			4.88	0.42					
			203.00	205.00	2.00	} 4.0	AGD	48959		} 8.91	7.15	0.44	} 0.60				
			205.00	207.00	2.00		AGD	48960			10.66	0.76					
			207.00	209.00	2.00		AGD	48961			6.25	0.58					
			209.00	211.00	2.00		AGD	48962			5.40	0.29					
			211.00	213.00	2.00		SAGD	48963			8.84	1.06					
			213.00	215.00	2.00		SAGD	48964			1.31	0.34					
			215.00	217.00	2.00		SAGD	48965			0.48	0.11					
							AVERAGES										
			109.00	124.00	15.00						3.01	0.49					
			163.00	213.00	50.00						3.01	0.34					
			109.00	116.00	7.00						5.40	0.99					
			191.00	215.00	24.00						5.11	0.48					
			201.00	213.00	12.00						7.20	0.59					

PROPERTY LOGAN D.D.H. 87 -L- 37 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 82.60m

CLAIM: LOGAN 3 NORTHING: 173.48 DATE STARTED: AUGUST 10 1987

SECTION: 395 E EASTING: 393.38 DATE FINISHED: AUGUST 30 1987

CORE SIZE: NQ ELEVATION: 1377.3 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 4.3 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-37 WAS DRILLED TO TEST FOR AN UPDIP AND SOUTHWARD EXTENSION OF A MINERALIZED ZONE FOUND IN HOLE L-11. APPROXIMATELY 44m(11-55m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING WELL INTO THE FOOTWALL FAULT.

UTM COORDINATES: NORTHING 6708487.7 EASTING 419768.7

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	6.71	6.71		DB										
17.07	-61.50°	177.59°	6.71	11.28	4.57		AGD										
74.98	-63.00°	170.59°	11.28	18.59	7.31		FD										
			18.59	21.03	2.44		AGD										
			21.03	22.95	1.92		QFP										
			22.95	25.30	2.35		AGD										
			25.30	31.09	5.79		FD										
			31.09	32.61	1.52		AGD										
			32.61	37.19	4.58		FD										
			37.19	45.11	7.92		QBX										
			45.11	55.17	10.06		AGD										
			55.17	82.60	27.43		SAGD										
ASSAYS AND ANALYSES																	
			8.00	11.00	3.00		AGD	48966			0.02	0.17					
			11.00	14.00	3.00		FD	48967			0.14	0.96					
			14.00	15.00	1.00		FD	48968			0.13	0.42					
			15.00	16.00	1.00		FD	48969			1.22	0.51					
			16.00	17.00	1.00		FD	48970			2.22	0.79					
			17.00	20.00	3.00		AGD	48971			1.79	0.38					
			20.00	22.00	2.00		AGD	48972			4.60	1.32					
			22.00	23.00	1.00		QFP	48973			2.46	0.65					
			23.00	24.00	1.00		AGD	48974			0.14	0.08					
			24.00	26.00	2.00		AGD	48975			0.14	0.03					
			26.00	28.00	2.00		FD	48976			0.41	0.04					
			28.00	31.00	3.00		FD	48977			0.18	0.07					
			31.00	33.00	2.00		AGD	48978			0.37	0.04					
			33.00	36.00	3.00		FD	48979			0.40	0.18					
CONTINUED																	

PROPERTY LOGAN D.D.H. 87 -L- 38 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 223.42m
 CLAIM: LOGAN 3 NORTHING: 279.46 DATE STARTED: JULY 31N 1987
 SECTION: 395 E EASTING: 393.32 DATE FINISHED: AUGUST 4D 1987
 CORE SIZE: NQ ELEVATION: 1391.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 24 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-38 WAS DRILLED TO TEST FOR A DOWNDIP AND SOUTHWARD EXTENSION OF A MINERALIZED ZONE FOUND IN HOLES L-11 AND L-37, APPROXIMATELY 149m (45-194m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 24m OF SPARSELY MINERALIZED CORE.
 UTM COORDINATES: NORTHING 6708575.2 EASTING 419708.9
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	6.71	6.71		DB										
17.68	-61.50°	179.59°	6.71	44.85	38.14		AGD										
84.73	-61.50°	169.59°	44.85	48.45	3.60		MOV										
151.79	-62.00°	169.59°	48.45	74.70	26.25		AGD										
218.85	-62.00°	175.59°	74.70	77.00	2.30		MOV										
			77.00	86.20	9.20		AGD										
			86.20	87.60	1.40		FGD										
			87.60	110.70	23.10		AGD										
			110.70	112.75	2.05		MOV										
			112.75	125.75	13.00		AGD										
			125.75	134.70	8.95		FD										
			134.70	186.90	52.20		AGD										
			186.90	191.70	4.80		MOBX										
			191.70	192.30	0.60		SAGD										
			192.30	193.80	1.50		QV										
			193.80	199.60	5.80		SAGD										
			199.60	206.90	7.30		FD										
			206.90	223.42	16.52		AGD										
ASSAYS AND ANALYSES																	
			43.00	44.00	1.00		AGD	48989			0.25	< 0.02					
			44.00	45.00	1.00		AGD	48990			0.09	< 0.02					
			45.00	46.00	1.00		MOV	48991			0.06	0.08					
			46.00	47.00	1.00		MOV	48992			1.67	0.11					
			47.00	48.00	1.00		MOV	48993			0.23	< 0.02					
			48.00	49.00	1.00		MOV	48994			0.43	< 0.02					
			49.00	50.00	1.00		AGD	48995			0.47	< 0.02					
			50.00	51.00	1.00		AGD	48996			0.36	0.03					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 38 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			51.00	52.00	1.00		AGD	48997			0.58	< 0.02					
			52.00	53.00	1.00		AGD	48998			0.66	0.06					
			53.00	54.00	1.00		AGD	48999			0.36	0.06					
			54.00	55.00	1.00		AGD	49000			0.96	0.11					
			55.00	57.00	2.00		AGD	49001			0.51	0.02					
			57.00	59.00	2.00		AGD	49002			0.45	0.02					
			59.00	61.00	2.00		AGD	49003			0.74	0.02					
			61.00	63.00	2.00		AGD	49004			0.23	0.02					
			63.00	64.00	1.00		AGD	49005			0.29	0.14					
			64.00	65.00	1.00		AGD	49006			1.01	0.15					
			65.00	66.00	1.00		AGD	49007			1.38	0.63					
			66.00	67.00	1.00		AGD	49008			0.59	0.19					
			67.00	68.00	1.00		AGD	49009			0.69	0.10					
			68.00	69.00	1.00		AGD	49010			3.97	0.41					
			69.00	70.00	1.00		AGD	49011			4.63	0.42					
			70.00	71.00	1.00		AGD	49012			0.68	0.05					
			71.00	72.00	1.00		AGD	49013			2.70	0.45					
			72.00	73.00	1.00		AGD	49014			1.34	0.11					
			73.00	74.00	1.00		AGD	49015			1.09	0.10					
			74.00	75.00	1.00		AGD	49016			1.81	0.27					
			75.00	76.00	1.00		MOV	49017			5.10	0.74					
			76.00	77.00	1.00		MOV	49018			2.50	0.44					
			77.00	78.00	1.00		AGD	49019			1.14	0.09					
			78.00	79.00	1.00		AGD	49020			0.77	0.05					
			79.00	80.00	1.00		AGD	49021			0.32	< 0.02					
			80.00	82.00	2.00		AGD	49022			0.31	< 0.02					
			82.00	84.00	2.00		AGD	49023			0.40	0.03					
			95.00	97.00	2.00		AGD	49024			0.50	0.06					
			97.00	99.00	2.00		AGD	49025			0.59	0.04					
			99.00	100.00	1.00		AGD	49026			0.53	0.11					
			100.00	101.00	1.00		AGD	49027			1.85	0.12					

CONTINUED

PROPERTY LOGAN D.D.H. L 87 - 38 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			101.00	102.00	1.00		AGD	49028			1.31	0.13					
			102.00	103.00	1.00		AGD	49029			1.55	0.21					
			103.00	104.00	1.00		AGD	49030			1.65	0.10					
			104.00	105.00	1.00		AGD	49031			2.20	0.27					
			105.00	106.00	1.00		AGD	49032			3.00	0.17					
			106.00	107.00	1.00		AGD	49033			7.00	0.50					
			107.00	108.00	1.00		AGD	49034			1.41	0.29					
			108.00	109.00	1.00		AGD	49035			7.85	0.78					
			109.00	110.00	1.00		AGD	49036			4.09	0.67					
			110.00	111.00	1.00		AGD	49037			4.00	0.89					
			111.00	112.00	1.00		MGV	49038			5.12	2.07					
			112.00	113.00	1.00		MGV	49039			9.97	0.94					
			113.00	114.00	1.00		AGD	49040			1.91	0.13					
			114.00	115.00	1.00		AGD	49041			1.12	0.06					
			115.00	116.00	1.00		AGD	49042			1.32	0.02					
			116.00	118.00	2.00		AGD	49043			1.58	0.09					
			118.00	120.00	2.00		AGD	49044			1.76	0.16					
			120.00	122.00	2.00		AGD	49045			1.79	0.12					
			122.00	124.00	2.00		AGD	49046			1.18	0.16					
			124.00	125.00	1.00		AGD	49047			0.64	0.04					
			125.00	126.00	1.00		AGD	49048			1.01	0.06					
			126.00	127.00	1.00		FD	49049			11.67	1.97					
			127.00	128.00	1.00		FD	49050			2.98	0.19					
			128.00	129.00	1.00		FD	49051			1.45	0.05					
			129.00	130.00	1.00		FD	49052			0.90	< 0.02					
			130.00	132.00	2.00		FD	49053			0.64	< 0.02					
			132.00	134.00	2.00		FD	49054			1.05	0.07					
			134.00	136.00	2.00		AGD	49055			0.61	0.05					
			136.00	138.00	2.00		AGD	49056			0.51	0.04					
			138.00	140.00	2.00		AGD	49057			0.43	0.04					
			140.00	142.00	2.00		AGD	49058			0.71	0.09					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 38 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			142.00	144.00	2.00		AGD	49059			0.32	0.02					
			144.00	146.00	2.00		AGD	49060			0.14	< 0.02					
			146.00	148.00	2.00		AGD	49061			0.26	< 0.02					
			148.00	150.00	2.00		AGD	49062			0.30	0.02					
			150.00	152.00	2.00		AGD	49063			0.28	< 0.02					
			152.00	154.00	2.00		AGD	49064			0.32	< 0.02					
			154.00	156.00	2.00		AGD	49065			0.67	0.04					
			156.00	158.00	2.00		AGD	49066			2.01	0.68					
			158.00	160.00	2.00		AGD	49067			1.13	0.30					
			160.00	162.00	2.00		AGD	49068			6.80	0.86					
			162.00	164.00	2.00		AGD	49069			1.10	0.14					
			164.00	166.00	2.00		AGD	49070			0.30	0.09					
			166.00	168.00	2.00		AGD	49071			0.93	0.41					
			168.00	170.00	2.00		AGD	49072			0.68	0.08					
			170.00	172.00	2.00		AGD	49073			0.53	0.05					
			172.00	174.00	2.00		AGD	49074			1.23	0.07					
			174.00	176.00	2.00		AGD	49075			1.32	0.13					
			176.00	177.00	1.00		AGD	49076			0.37	0.03					
			177.00	178.00	1.00		AGD	49077			0.50	0.02					
			178.00	179.00	1.00		AGD	49078			2.15	0.53					
			179.00	180.00	1.00		AGD	49079			1.09	0.48					
			180.00	181.00	1.00		AGD	49080			2.28	0.22					
			181.00	182.00	1.00		AGD	49081			1.15	0.08					
			182.00	183.00	1.00		AGD	49082			1.54	0.10					
			183.00	184.00	1.00		AGD	49083			2.40	0.73					
			184.00	185.00	1.00		AGD	49084			4.70	0.67					
			185.00	186.00	1.00		AGD	49085			2.81	0.45					
			186.00	187.00	1.00		AGD	49086			4.03	0.97					
			187.00	188.00	1.00		MQBX	49087			2.00	0.40					
			188.00	189.00	1.00		MQBX	49088			0.09	0.02					
			189.00	190.00	1.00		MQBX	49089			0.06	0.13					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 38 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			190.00	191.00	1.00		MQBX	49090			0.26	0.10					
			191.00	192.00	1.00		MQBX	49091			0.45	< 0.02					
			192.00	194.00	2.00		MQBX	49092			0.10	< 0.02					
			194.00	196.00	2.00		SAGD	49093			0.22	< 0.02					
			196.00	198.00	2.00		SAGD	49094			0.12	< 0.02					
			198.00	200.00	2.00		SAGD	49095			0.44	< 0.02					
			200.00	202.00	2.00		FD	49096			0.88	< 0.02					
			202.00	204.00	2.00		FD	49097			0.02	< 0.02					
			204.00	206.00	2.00		FD	49098			0.07	< 0.02					
			206.00	208.00	2.00		AGD	49099			0.67	< 0.02					
			208.00	210.00	2.00		AGD	49100			0.18	< 0.02					
			210.00	212.00	2.00		AGD	49101			0.01	< 0.02					
AVERAGES																	
			101.00	129.00	28.00						3.00	0.38					
			105.00	113.00	8.00						5.30	0.79					

CORUILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 39 PAGE 1 OF 1
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 124.05m
 CLAIM: LOGAN 3 NORTHING: 73.96 DATE STARTED: AUGUST 4N 1987
 SECTION: 395 E EASTING: 391.08 DATE FINISHED: AUGUST 6N 1987
 CORE SIZE: NQ ELEVATION: 1363.1 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 93 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL
 COMMENTS: HOLE L-39 WAS DRILLED TO TEST A GEOCHEMICAL ANOMALY LOCATED 100m SOUTH OF HOLE L-37. A 44cm WIDE MINERALIZED QUARTZ VEIN WAS INTERSECTED AT 42m.
THE HOLE WAS TERMINATED AFTER DRILLING PAST THE TARGET DEPTH WITHOUT INTERSECTING ANY SIGNIFICANT MINERALIZATION.
 UTM COORDINATES: NORTHING 6708404.2 EASTING 419822.9
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	6.71	6.71		DB										
15.85	-62.00°	169.59°	6.71	36.46	29.75		AGD										
119.48	-62.50°	173.59°	36.46	37.74	1.28		SAGD										
			37.74	41.26	3.52		AGD										
			41.26	42.06	0.80		SAGD										
			42.06	42.50	0.44		MBV										
			42.50	57.26	14.76		AGD										
			57.26	64.92	7.66		SAGD										
			64.92	124.05	59.13		AGD										
ASSAYS AND ANALYSES																	
			40.00	41.00	1.00		AGD	49102			0.18	< 0.02					
			41.00	42.00	1.00		SAGD	49103			1.24	0.18					
			42.00	42.50	0.50		MBV	49104			16.27	2.71					
			42.50	43.50	1.00		AGD	49105			0.84	0.11					
			43.50	44.50	1.00		AGD	49106			0.06	< 0.02					

PROPERTY LOGAN D.D.H. B7 -L- 40 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -40 ° AZIMUTH (I): 180.59 ° DEPTH: 128.63m

CLAIM: LOGAN 5 NORTHING: 224.01 DATE STARTED: AUGUST 3N 1987

SECTION: 490 E EASTING: 490.35 DATE FINISHED: AUGUST 8D 1987

CORE SIZE: NQ ELEVATION: 1378.3 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 47 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-40 WAS DRILLED TO TEST AN I.P. AND GEOCHEMICAL ANOMALY, APPROXIMATELY 85m (28-113m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING PAST THE TARGET DEPTH AND DRILLING 18m OF BARREN CORE,

UTM COORDINATES: NORTHING 6708584.1 EASTING 419820.3

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	7.62	7.62		DB										
11.28	-62.00°	178.59°	7.62	11.28	3.66		AGD										
63.09	-62.00°	175.59°	11.28	21.95	10.67		SAGD										
124.05	-62.50°	176.59°	21.95	30.21	8.26		AGD										
			30.21	32.58	2.37		MQV										
			32.58	34.10	1.52		SAGD										
			34.10	49.38	15.28		AGD										
			49.38	55.47	6.09		SAGD										
			55.47	70.41	14.94		AGD										
			70.41	78.90	8.49		FD										
			78.90	80.20	1.30		AGD										
			80.20	82.90	2.70		MQV										
			82.90	84.12	1.22		AGD										
			84.12	85.77	1.65		MQV										
			85.77	89.00	3.23		AGD										
			89.00	92.05	3.05		AGD										
			92.05	93.27	1.22		AGD										
			93.27	94.79	1.52		MBX										
			94.79	95.40	0.61		FD										
			95.40	98.15	2.75		AGD										
			98.15	99.20	1.05		MBX										
			99.20	102.31	3.11		AGD										
			102.31	106.07	3.76		FD										
			106.07	111.25	5.18		AFD										
			111.25	116.15	4.90		SAGD										
			116.15	118.16	2.01		AGD										
			118.16	120.25	2.09		SAGD										
			120.25	121.92	1.67		AGD										
			121.92	123.44	1.52		SAGD										
			123.44	128.63	5.19		AGD										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 40 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
ASSAYS AND ANALYSES																		
			22.00	24.00	2.00		AGD	49107			0.11	0.02						
			24.00	26.00	2.00		AGD	49108			0.06	0.05						
			26.00	28.00	2.00		AGD	49109			0.05	0.76						
			28.00	29.00	1.00		AGD	49110			0.20	0.37						
			29.00	30.00	1.00		AGD	49111			0.04	0.09						
			30.00	31.00	1.00		MQV	49112			0.45	0.12						
			31.00	33.00	2.00		MQV	49113			1.32	1.82						
			33.00	35.00	2.00		AGD	49114			1.84	0.25						
			35.00	38.00	3.00		AGD	49115			0.38	0.05						
			38.00	39.00	1.00		AGD	49116			1.48	0.08						
			39.00	40.00	1.00		AGD	49117			1.03	0.09						
			40.00	41.00	1.00		AGD	49118			1.64	0.32						
			41.00	42.00	1.00		AGD	49119			2.50	0.21						
			42.00	44.00	2.00		AGD	49120			0.40	0.04						
			44.00	46.00	2.00		AGD	49121			0.38	0.04						
			46.00	49.00	3.00		AGD	49122			0.60	0.07						
			49.00	51.00	2.00		SAGD	49123			0.42	0.03						
			51.00	54.00	3.00		SAGD	49124			1.10	0.10						
			54.00	56.00	2.00		AGD	49125			1.40	0.37						
			56.00	58.00	2.00		AGD	49126			0.86	0.22						
			58.00	60.00	2.00		AGD	49127			1.59	0.30						
			60.00	62.00	2.00		AGD	49128			0.92	0.10						
			62.00	64.00	2.00		AGD	49129			0.56	0.05						
			64.00	65.00	1.00		AGD	49130			0.64	0.08						
			65.00	66.00	1.00		AGD	49131			1.86	0.22						
			66.00	67.00	1.00		AGD	49132			0.61	0.10						
			67.00	68.00	1.00		AGD	49133			0.74	0.12						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 40 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			68.00	70.00	2.00		AGD	49134			2.32	0.39					
			70.00	72.00	2.00		FD	49135			1.89	0.70					
			72.00	73.00	1.00		FD	49136			3.19	0.38					
			73.00	74.00	1.00		FD	49137			1.70	0.36					
			74.00	76.00	2.00		FD	49138			1.68	1.42					
			76.00	78.00	2.00		FD	49139			1.42	0.25					
			78.00	79.00	1.00		FD	49140			1.92	0.62					
			79.00	80.00	1.00		AGD	49141			1.14	0.15					
			80.00	81.00	1.00		MQV	49142			6.89	0.53					
			81.00	82.00	1.00		MQV	49143			5.24	3.91					
			82.00	84.00	2.00		AGD	49144			4.10	1.37					
			84.00	86.00	2.00		MQV	49145			1.03	0.38					
			86.00	87.00	1.00		AGD	49146			3.26	1.05					
			87.00	89.00	2.00		AGD	49147			2.11	0.53					
			89.00	90.00	1.00		AGD	49148			1.44	0.19					
			90.00	92.00	2.00		AGD	49149			2.62	0.43					
			92.00	94.00	2.00		AGD	49150			1.84	0.57					
			94.00	96.00	2.00		MBX	49151			0.33	0.05					
			96.00	98.00	2.00		AGD	49152			0.17	0.03					
			98.00	99.00	1.00		MBX	49153			0.67	0.15					
			99.00	100.00	1.00		AGD	49154			0.12	0.08					
			100.00	101.00	1.00		AGD	49155			0.30	0.06					
			101.00	102.00	1.00		AGD	49156			0.25	0.07					
			102.00	103.00	1.00		FD	49157			0.28	0.05					
			103.00	104.00	1.00		FD	49158			0.79	0.19					
			104.00	105.00	1.00		FD	49159			0.27	0.06					
			105.00	106.00	1.00		FD	49160			0.22	0.07					
			106.00	107.00	1.00		AFD	49161			0.32	0.12					
			107.00	108.00	1.00		AFD	49162			0.24	0.05					
			108.00	110.00	2.00		AFD	49163			0.25	0.02					
			110.00	112.00	2.00		AFD	49164			0.42	0.04					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 40 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			112.00	114.00	2.00		AGD	49165			0.36	0.03					
			114.00	116.00	2.00		SAGD	49166			0.18	< 0.02					
			116.00	117.00	1.00		AGD	49167			3.27	0.05					
			117.00	118.00	1.00		AGD	49168			0.39	0.05					
			118.00	119.00	1.00		SAGD	49169			8.65	1.55					
			119.00	120.00	1.00		SAGD	49170			0.80	0.03					
			120.00	122.00	2.00		AGD	49171			0.54	< 0.02					
								AVERAGES									
			80.00	92.00	12.00						3.05	0.92					
			116.00	120.00	4.00						3.28	0.42					
			80.00	84.00	4.00						5.08	1.80					

PROPERTY LOGAN D.D.H. 87 -L- 41 PAGE 1 OF 1
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 129.24m
 CLAIM: LOGAN 5 NORTHING: 52.9 DATE STARTED: AUGUST 6N 1987
 SECTION: 490 E EASTING: 488.09 DATE FINISHED: AUGUST 8N 1987
 CORE SIZE: NQ ELEVATION: 1360.7 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 90 % CORE STORED AT: LOGAN PROP. LOGGED BY: FAUL DONKERSLOOT
 COMMENTS: HOLE L-41 WAS DRILLED TO TEST A GEOCHEMICAL ANOMALY IN AN AREA WHERE MINERALIZED FLOAT WAS FOUND. A 3.6m WIDE (60.05-63.65m) MINERALIZED QUARTZ VEIN WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING PAST THE TARGETED DEPTH OF THE MINERALIZED ZONE WITHOUT INTERSECTING ANY SIGNIFICANT MINERALIZATION.
UTM COORDINATES: NORTHING 6708441.5 EASTING 419914.9
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t				
0.00	-60.00°	180.59°	0.00	3.66	3.66		DB														
13.41	-59.00°	181.59°	3.66	60.05	56.39		AGD														
126.19	-60.00°	181.59°	60.05	63.65	3.60		MBV														
			63.65	129.24	65.59		AGD														
ASSAYS AND ANALYSES																					
			57.00	58.00	1.00		AGD	49172			0.32	0.02									
			58.00	59.00	1.00		AGD	49173			0.32	0.02									
			59.00	60.00	1.00		AGD	49174			0.44	0.02									
			60.00	61.00	1.00		MBV	49175			0.06	0.02									
			61.00	62.00	1.00		MBV	49176			0.04	0.02									
			62.00	63.00	1.00		MBV	49177			0.04	0.02									
			63.00	64.00	1.00		AGD	49178			0.28	< 0.02									
			64.00	65.00	1.00		AGD	49179			0.19	< 0.02									
			120.00	121.00	1.00		AGD	49180			0.15	0.02									
			121.00	122.00	1.00		AGD	49181			0.18	0.02									
			122.00	123.00	1.00		AGD	49182			1.01	0.07									
			123.00	124.00	1.00		AGD	49183			0.07	0.02									
			124.00	125.00	1.00		AGD	49184			0.05	0.02									

PROPERTY LOGAN D.D.H. 87 -L- 42 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 151.49m
 CLAIM: LOGAN 5 NORTHING: 241.01 DATE STARTED: AUGUST 8D 1987
 SECTION: 580 E EASTING: 577.38 DATE FINISHED: AUGUST 12N 1987
 CORE SIZE: NQ ELEVATION: 1372.1 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 74 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL
 COMMENTS: HOLE L-42 WAS DRILLED TO TEST AN I.P.-GEOCHEMISTRY ANOMALY. APPROXIMATELY 112m (28-140m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 11m OF BARREN CORE BELOW THE STOCKWORK MINERALIZATION.
 UTM COORDINATES: NCRTHING 6708647.2 EASTING 419882.6
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	7.32	7.32		DB											
14.33	-60.70°	171.59°	7.32	18.95	11.63		AGD											
78.33	-62.00°	181.59°	18.95	23.35	4.40		SCH											
143.87	-63.00°	177.59°	23.35	23.93	0.58		QV											
			23.93	28.12	4.19		SAGD											
			28.12	29.67	1.55		AGD											
			29.67	30.97	1.30		MGV											
			30.97	32.90	1.93		SAGD											
			32.90	41.05	8.15		AGD											
			41.05	41.79	0.74		MGV											
			41.79	43.28	1.49		AGD											
			43.28	46.53	3.25		FGD											
			46.53	51.02	4.49		AGD											
			51.02	52.08	1.06		FGD											
			52.08	61.45	9.37		AGD											
			61.45	64.01	2.56		FGD											
			64.01	105.00	40.99		AGD											
			105.00	106.16	1.16		SAGD											
			106.16	109.71	3.55		AGD											
			109.71	111.31	1.60		SAGD											
			111.31	114.91	3.60		AGD											
			114.91	117.51	2.60		SAGD											
			117.51	122.19	4.68		FD											
			122.19	124.05	1.86		AFD											
			124.05	124.95	0.90		FD											
			124.95	127.42	2.47		AGD											
			127.42	130.15	2.73		FGD											
			130.15	134.62	4.47		AGD											
			134.62	136.62	2.00		SAGD											
			136.62	139.68	3.06		MGV											
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 42 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			139.68	142.16	2.48		SAGD											
			142.16	151.49	9.33		AGD											
ASSAYS AND ANALYSES																		
			25.00	26.00	1.00		SAGD	49185			0.57	< 0.02						
			26.00	27.00	1.00		SAGD	49186			0.44	0.05						
			27.00	28.00	1.00		SAGD	49187			0.62	0.14						
			28.00	29.00	1.00		AGD	49188			0.55	0.06						
			29.00	30.00	1.00		AGD	49189			0.75	2.86						
			30.00	31.00	1.00		MGV	49190			1.83	2.13						
			31.00	32.00	1.00		SAGD	49191			0.94	< 0.02						
			32.00	33.00	1.00		SAGD	49192			0.27	0.05						
			33.00	34.00	1.00		AGD	49193			0.43	0.06						
			34.00	35.00	1.00		AGD	49194			0.44	< 0.02						
			35.00	36.00	1.00		AGD	49195			2.60	0.30						
			36.00	37.00	1.00		AGD	49196			0.88	0.05						
			37.00	38.00	1.00		AGD	49197			0.34	0.02						
			38.00	39.00	1.00		AGD	49198			0.39	0.02						
			39.00	40.00	1.00		AGD	49199			1.34	0.13						
			40.00	41.00	1.00		AGD	49200			1.84	0.17						
			41.00	42.00	1.00		MGV	49201			14.29	1.21						
			42.00	43.00	1.00		FGD	49202			2.00	0.12						
			43.00	44.00	1.00		FGD	49203			0.58	0.05						
			44.00	45.00	1.00		FGD	49204			1.23	0.11						
			45.00	46.00	1.00		FGD	49205			0.42	0.03						
			46.00	47.00	1.00		FGD	49206			1.63	0.12						
			47.00	48.00	1.00		AGD	49207			5.80	0.72						
			48.00	49.00	1.00		AGD	49208			0.75	0.05						
			49.00	50.00	1.00		AGD	49209			3.65	0.66						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 42 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			50.00	51.00	1.00		AGD	49210			1.23	0.05					
			51.00	53.00	2.00		FGD	49211			0.48	0.02					
			53.00	55.00	2.00		AGD	49212			0.55	0.13					
			55.00	57.00	2.00		AGD	49213			0.40	0.04					
			57.00	59.00	2.00		AGD	49214			0.54	0.03					
			59.00	61.00	2.00		AGD	49215			0.20	0.16					
			61.00	63.00	2.00		FGD	49216			0.22	0.03					
			63.00	64.00	1.00		FGD	49217			2.00	0.36					
			64.00	65.00	1.00		AGD	49218			3.05	0.56					
			65.00	66.00	1.00		AGD	49219			0.61	0.07					
			66.00	67.00	1.00		AGD	49220			0.38	0.02					
			67.00	68.00	1.00		AGD	49221			0.24	0.03					
			68.00	69.00	1.00		AGD	49222			0.28	0.02					
			69.00	70.00	1.00		AGD	49223			2.65	0.23					
			70.00	71.00	1.00		AGD	49224			1.28	0.38					
			71.00	72.00	1.00		AGD	49225			1.29	0.11					
			72.00	73.00	1.00		AGD	49226			0.26	0.11					
			73.00	74.00	1.00		AGD	49227			0.62	0.02					
			74.00	75.00	1.00		AGD	49228			0.28	0.03					
			75.00	76.00	1.00		AGD	49229			0.29	0.06					
			76.00	77.00	1.00		AGD	49230			0.44	0.24					
			77.00	78.00	1.00		AGD	49231			0.54	0.03					
			78.00	79.00	1.00		AGD	49232			0.36	0.06					
			79.00	80.00	1.00		AGD	49233			0.69	0.02					
			80.00	81.00	1.00		AGD	49234			0.43	0.02					
			81.00	82.00	1.00		AGD	49235			0.27	< 0.02					
			82.00	83.00	1.00		AGD	49236			0.69	0.06					
			83.00	84.00	1.00		AGD	49237			0.48	0.03					
			84.00	85.00	1.00		AGD	49238			0.20	< 0.02					
			85.00	86.00	1.00		AGD	49239			0.28	0.05					
			86.00	87.00	1.00		AGD	49240			1.74	0.12					

PROPERTY LOGAN D.D.H. L 87 - 42 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	VALUES BELOW IN PPM UNLESS NOTED				
													Sn	Cu	Pb	As	Au oz/t
			87.00	88.00	1.00		AGD	49241			0.42	0.03					
			88.00	89.00	1.00		AGD	49242			1.41	0.12					
			89.00	90.00	1.00		AGD	49243			0.56	2.64					
			90.00	91.00	1.00		AGD	49244			0.51	0.12					
			91.00	92.00	1.00		AGD	49245			0.56	0.27					
			92.00	93.00	1.00		AGD	49246			1.10	0.11					
			93.00	94.00	1.00		AGD	49247			0.36	0.04					
			94.00	95.00	1.00		AGD	49248			0.34	0.08					
			95.00	96.00	1.00		AGD	49249			1.22	0.09					
			96.00	97.00	1.00		AGD	49250			1.78	0.16					
			97.00	98.00	1.00		AGD	49251			0.77	0.07					
			98.00	99.00	1.00		AGD	49252			0.87	0.06					
			99.00	100.00	1.00		AGD	49253			1.18	0.09					
			100.00	101.00	1.00		AGD	49254			0.73	0.06					
			101.00	102.00	1.00		AGD	49255			1.85	0.39					
			102.00	103.00	1.00		AGD	49256			1.14	0.10					
			103.00	104.00	1.00		AGD	49257			1.27	0.09					
			104.00	105.00	1.00		AGD	49258			2.27	0.20					
			105.00	106.00	1.00		SAGD	49259			1.76	0.10					
			106.00	107.00	1.00		AGD	49260			1.59	0.08					
			107.00	108.00	1.00		AGD	49261			1.59	0.10					
			108.00	109.00	1.00		AGD	49262			1.17	0.08					
			109.00	110.00	1.00		AGD	49263			1.16	0.08					
			110.00	111.00	1.00		SAGD	49264			0.89	0.08					
			111.00	112.00	1.00		AGD	49265			0.57	0.08					
			112.00	113.00	1.00		AGD	49266			1.03	0.09					
			113.00	114.00	1.00		AGD	49267			0.92	0.30					
			114.00	115.00	1.00		AGD	49268			1.81	0.13					
			115.00	116.00	1.00		SAGD	49269			1.42	0.13					
			116.00	118.00	2.00		SAGD	49270			1.94	0.24					
			118.00	120.00	2.00		FD	49271			1.15	0.18					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 42 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
			120.00	122.00	2.00		FD	49272			1.73	0.10							
			122.00	124.00	2.00		AFD	49273			1.75	0.09							
			124.00	126.00	2.00		AGD	49274			1.03	0.07							
			126.00	128.00	2.00		AGD	49275			0.74	0.14							
			128.00	130.00	2.00		FGD	49276			0.65	0.10							
			130.00	132.00	2.00		AGD	49277			2.76	0.61							
			132.00	134.00	2.00		AGD	49278			0.76	0.06							
			134.00	136.00	2.00		SAGD	49279			1.15	0.28							
			136.00	138.00	2.00		MGV	49280			3.34	2.54							
			138.00	140.00	2.00		MGV	49281			0.59	0.06							
			140.00	142.00	2.00		SAGD	49282			0.35	0.02							
			142.00	144.00	2.00		AGD	49283			0.12	< 0.02							
								AVERAGES											
			40.00	51.00	11.00						3.04	0.30							

PROPERTY LOGAN D.D.H. 87 -L- 43 PAGE 1 OF 1
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 121.92m
 CLAIM: LOGAN 5 NORTHING: 55.11 DATE STARTED: AUGUST 6N 1987
 SECTION: 580 E EASTING: 577.98 DATE FINISHED: AUGUST 8N 1987
 CORE SIZE: NQ ELEVATION: 1365.3 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 92 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-43 WAS DRILLED TO TEST A SURFACE GEOCHEMICAL ANOMALY, TWO SMALL ZONES OF STOCKWORK MINERALIZATION WERE INTERSECTED (50-56m and 92-98m), THE HOLE WAS TERMINATED AFTER DRILLING 14m OF BARREN CORE BELOW THE TARGETED DEPTH.
 UTM COORDINATES: NORTHING 6708494.0 EASTING 419987.9
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	9.45	9.45		OB										
16.76	-61.50°	165.59°	9.45	121.92	112.47		AGD										
ASSAYS AND ANALYSES																	
117.35	-62.00°	163.59°	48.00	49.00	1.00		AGD	49284			0.01	< 0.02					
			49.00	50.00	1.00		AGD	49285			0.36	< 0.02					
			50.00	51.00	1.00		AGD	49286			0.58	0.41					
			51.00	52.00	1.00		AGD	49287			0.34	< 0.02					
			52.00	53.00	1.00		AGD	49288			0.16	< 0.02					
			53.00	54.00	1.00		AGD	49289			0.06	< 0.02					
			54.00	55.00	1.00		AGD	49290			0.84	0.06					
			55.00	56.00	1.00		AGD	49291			4.38	0.74					
			56.00	57.00	1.00		AGD	49292			0.24	< 0.02					
			57.00	58.00	1.00		AGD	49293			0.06	< 0.02					
			58.00	59.00	1.00		AGD	49294			0.38	< 0.02					
			92.00	94.00	2.00		AGD	49295			0.08	< 0.02					
			94.00	96.00	2.00		AGD	49296			0.04	< 0.02					
			96.00	98.00	2.00		AGD	49297			0.04	< 0.02					

PROPERTY LOGAN D.D.H. L 87 - 44 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			38.00	39.00	1.00		AGD	49299			0.66	0.18					
			39.00	40.00	1.00		AGD	49300			0.52	0.02					
			40.00	41.00	1.00		AGD	49301			0.71	0.05					
			41.00	42.00	1.00		AGD	49302			1.54	0.06					
			42.00	43.00	1.00		AGD	49303			2.71	0.39					
			43.00	44.00	1.00		AGD	49304			4.00	0.54					
			44.00	45.00	1.00		MOV	49305			18.36	5.09					
			45.00	46.00	1.00		FGD	49306			1.35	0.20					
			46.00	47.00	1.00		FGD	49307			5.90	0.96					
			47.00	48.00	1.00		FGD	49308			2.98	0.16					
			48.00	49.00	1.00		FGD	49309			1.56	0.13					
			49.00	50.00	1.00		FGD	49310			4.92	1.26					
			50.00	51.00	1.00		AGD	49311			1.92	0.14					
			51.00	52.00	1.00		AGD	49312			1.92	0.22					
			→ 52.00	53.00	1.00		AGD	49313			7.14	1.86					
			53.00	54.00	1.00		AGD	49314		11.85	8.72	2.51					
			54.00	55.00	1.00		MOV	49315			19.69	6.18					
			55.00	56.00	1.00		MOV	49316			2.50	0.30					
			56.00	57.00	1.00		AGD	49317			0.86	0.15					
			57.00	58.00	1.00		AGD	49318			9.20	1.14					
			58.00	59.00	1.00		AGD	49319			8.89	0.94					
			59.00	60.00	1.00		FD	49320			3.18	0.34					
			60.00	61.00	1.00		FD	49321			1.28	0.11					
			61.00	62.00	1.00		FD	49322			1.88	0.15					
			62.00	63.00	1.00		FD	49323			1.50	0.15					
			63.00	64.00	1.00		AGD	49324			1.21	0.11					
			64.00	65.00	1.00		AGD	49325			1.48	0.17					
			65.00	66.00	1.00		AGD	49326			1.41	0.12					
			66.00	67.00	1.00		AGD	49327			1.36	0.07					
			67.00	68.00	1.00		FD	49328			1.01	0.10					
			68.00	69.00	1.00		FD	49329			2.56	0.21					
								CONTINUED									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 44 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	VALUES BELOW IN PPM UNLESS NOTED				
													Sn	Cu	Pb	As	Au oz/t
			69.00	70.00	1.00		AGD	49330			4.00	0.39					
			70.00	71.00	1.00		AGD	49331			3.35	0.27					
			71.00	72.00	1.00		AGD	49332			1.72	0.23					
			72.00	73.00	1.00		AGD	49333			4.22	0.38					
			73.00	74.00	1.00		FD	49334			5.52	2.47					
			74.00	75.00	1.00		MQV	49335			3.12	2.56					
			75.00	76.00	1.00		MQV	49336			0.17	0.18					
			76.00	77.00	1.00		AGD	49337			1.01	0.14					
			77.00	78.00	1.00		AGD	49338			1.53	0.61					
			78.00	79.00	1.00		AGD	49339			1.33	0.07					
			79.00	80.00	1.00		AGD	49340			1.36	0.15					
			80.00	81.00	1.00		AGD	49341			1.00	0.10					
			81.00	82.00	1.00		AGD	49342			1.68	0.27					
			82.00	83.00	1.00		AGD	49343			1.72	0.12					
			83.00	84.00	1.00		AGD	49344			0.91	0.09					
			84.00	85.00	1.00		AGD	49345			0.39	0.03					
			85.00	86.00	1.00		AGD	49346			0.91	0.08					
			86.00	87.00	1.00		AGD	49347			0.59	0.03					
			87.00	88.00	1.00		AGD	49348			0.64	0.04					
			88.00	89.00	1.00		AGD	49349			1.12	0.04					
			89.00	90.00	1.00		AGD	49350			0.58	0.05					
			90.00	91.00	1.00		AGD	49351			0.54	0.05					
			91.00	92.00	1.00		FD	49352			1.50	0.14					
			92.00	93.00	1.00		FD	49353			1.89	0.14					
			93.00	94.00	1.00		FD	49354			0.38	0.07					
			94.00	95.00	1.00		FD	49355			1.22	0.11					
			95.00	96.00	1.00		FD	49356			0.42	0.04					
			96.00	97.00	1.00		FD	49357			0.11	0.02					
			97.00	98.00	1.00		FD	49358			0.36	0.03					
			98.00	99.00	1.00		FD	49359			0.22	0.02					
			99.00	100.00	1.00		FD	49360			0.20	0.03					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 44 PAGE 4 OF 5

AREA: _____ CLAIM: _____ SECTION: _____ CORE SIZE: _____ CORE RECOVERY: _____ COMMENTS: _____

DIP: _____ NORTHING: _____ EASTING: _____ ELEVATION: _____ CORE STORED AT: _____

DEPTH: _____ DATE STARTED: _____ DATE FINISHED: _____ CONTRACTOR: _____ LOGGED BY: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			100.00	101.00	1.00		FD	49361			0.22	0.03					
			101.00	102.00	1.00		FD	49362			0.52	0.04					
			102.00	103.00	1.00		FD	49363			0.15	0.02					
			103.00	104.00	1.00		FD	49364			0.03	< 0.02					
			104.00	105.00	1.00		FD	49365			0.02	< 0.02					
			105.00	106.00	1.00		FD	49366			0.33	0.10					
			106.00	107.00	1.00		MQBX	49367			0.09	0.02					
			107.00	108.00	1.00		MQBX	49368			0.14	0.75					
			108.00	109.00	1.00		MQBX	49369			0.88	0.14					
			109.00	110.00	1.00		MQV	49370			0.97	0.12					
			110.00	111.00	1.00		MQV	49371			0.20	0.02					
			111.00	112.00	1.00		AGD	49372			0.24	0.02					
			112.00	113.00	1.00		AGD	49373			1.26	0.13					
			113.00	114.00	1.00		AGD	49374			0.42	0.17					
			114.00	115.00	1.00		FD	49375			0.26	0.02					
			115.00	116.00	1.00		FD	49376			0.57	0.08					
			116.00	117.00	1.00		FD	49377			1.24	0.14					
			117.00	118.00	1.00		FD	49378			1.23	0.05					
			118.00	119.00	1.00		FD	49379			0.46	0.03					
			119.00	120.00	1.00		AGD	49380			1.41	0.07					
			120.00	121.00	1.00		FD	49381			0.28	0.02					
			121.00	122.00	1.00		FD	49382			0.23	0.02					
			122.00	123.00	1.00		FD	49383			0.73	0.02					
			123.00	124.00	1.00		FD	49384			0.68	0.02					
			124.00	125.00	1.00		FD	49385			0.54	< 0.02					
			125.00	126.00	1.00		FD	49386			0.54	0.02					
			126.00	128.00	2.00		FD	49387			0.25	0.02					
			128.00	130.00	2.00		FD	49388			0.24	0.02					
			130.00	132.00	2.00		AGD	49389			0.16	0.02					
			132.00	134.00	2.00		SAGD	49390			0.30	0.02					
			134.00	136.00	2.00		AGD	49391			0.18	0.02					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 45' PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			26.00	28.00	2.00		AGD	49399			0.46	< 0.02					
			28.00	30.00	2.00		AGD	49400			0.36	< 0.02					
			30.00	32.00	2.00		AGD	49401			0.50	< 0.02					
			32.00	34.00	2.00		FGD	49402			0.56	< 0.02					
			34.00	36.00	2.00		FGD	49403			0.22	< 0.02					
			36.00	38.00	2.00		FGD	49404			0.38	< 0.02					
			38.00	40.00	2.00		AGD	49405			0.55	< 0.02					
			40.00	42.00	2.00		AGD	49406			1.40	0.28					
			42.00	44.00	2.00		AGD	49407			0.33	< 0.02					
			44.00	46.00	2.00		AGD	49408			0.41	< 0.02					
			46.00	48.00	2.00		AGD	49409			1.03	0.08					
			48.00	50.00	2.00		AGD	49410			0.48	0.06					
			50.00	52.00	2.00		AGD	49411			0.50	< 0.02					
			52.00	54.00	2.00		AGD	49412			0.64	0.10					
			54.00	56.00	2.00		AGD	49413			0.26	< 0.02					
			56.00	58.00	2.00		AGD	49414			0.76	0.02					
			58.00	60.00	2.00		AGD	49415			2.58	0.19					
			60.00	62.00	2.00		AGD	49416			0.27	< 0.02					
			62.00	63.00	1.00		AGD	49417			0.10	0.03					
			63.00	64.00	1.00		AGD	49418			0.28	< 0.02					
			64.00	65.00	1.00		AGD	49419			3.02	0.96					
			65.00	66.00	1.00		FD	49420			0.66	0.13					
			66.00	67.00	1.00		FD	49421			0.56	0.02					
			67.00	68.00	1.00		FD	49422			0.46	< 0.02					
			68.00	69.00	1.00		FD	49423			0.45	< 0.02					
			69.00	70.00	1.00		AGD	49424			0.23	< 0.02					
			70.00	72.00	2.00		AGD	49425			0.24	0.04					
			72.00	74.00	2.00		AGD	49426			0.36	< 0.02					
			74.00	76.00	2.00		AGD	49427			0.33	< 0.02					
			76.00	78.00	2.00		AGD	49428			0.38	< 0.02					
			78.00	79.00	1.00		AGD	49429			0.38	< 0.02					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 45 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			79.00	80.00	1.00		AGD	49430			0.20	< 0.02						
			80.00	81.00	1.00		AGD	49431			1.28	0.11						
			81.00	82.00	1.00		AGD	49432			1.36	0.06						
			82.00	83.00	1.00		AGD	49433			3.69	0.70						
			83.00	84.00	1.00		MBV	49434			1.12	0.88						
			84.00	85.00	1.00		FD	49435			6.47	0.64						
			85.00	86.00	1.00		FD	49436			4.00	0.39						
			86.00	87.00	1.00		FD	49437			5.22	0.43						
			87.00	88.00	1.00		FD	49438			3.28	0.36						
			88.00	89.00	1.00		FD	49439			5.80	4.20						
			89.00	90.00	1.00		FD	49440			7.20	0.88						
			90.00	91.00	1.00		FD	49441			6.60	0.72						
			91.00	92.00	1.00		FD	49442			5.00	0.23						
			92.00	93.00	1.00		FD	49443			3.14	0.24						
			93.00	94.00	1.00		FD	49444			3.42	0.28						
			94.00	95.00	1.00		FD	49445			5.00	0.56						
			95.00	96.00	1.00		FD	49446			3.80	0.38						
			96.00	97.00	1.00		FD	49447			5.27	0.83						
			97.00	98.00	1.00		FD	49448			8.51	1.56						
			98.00	99.00	1.00		FD	49449			5.80	0.42						
			99.00	100.00	1.00		FD	49450			4.90	0.39						
			100.00	101.00	1.00		FD	49451			2.90	0.27						
			101.00	102.00	1.00		FD	49452			3.45	0.68						
			102.00	103.00	1.00		MS	49453			9.60	1.81						
			103.00	104.00	1.00		MS	49454			10.00	1.64						
			104.00	105.00	1.00		FD	49455			3.37	0.39						
			105.00	106.00	1.00		FD	49456			1.26	0.14						
			106.00	107.00	1.00		FD	49457			2.16	0.25						
			107.00	108.00	1.00		AGD	49458			0.96	0.11						
			108.00	109.00	1.00		MBX	49459			0.27	0.09						
			109.00	110.00	1.00		FD	49460			0.36	< 0.02						
								CONTINUED										

PROPERTY: LOGAN D.D.H. 87 -L- 46 PAGE 1 OF 3

AREA: MAIN ZONE DIP: -60° AZIMUTH (I): 180.59° DEPTH: 140.82m

CLAIM: LOGAN 5 NORTHING: 240.81 DATE STARTED: AUGUST 14D 1987

SECTION: 885 E EASTING: 890.22 DATE FINISHED: AUGUST 16N 1987

CORE SIZE: NO ELEVATION: 1370.2 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 78 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-46 WAS DRILLED TO TEST AN I.P. ANOMALY AND TO TEST FOR AN EASTWARD EXTENSION OF THE MAIN ZONE MINERALIZATION, APPROXIMATELY 38m (76-114m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING WELL INTO THE FOOTWALL FAULT.

UTM COORDINATES: NORTHING 6708823.4 EASTING 420141.1

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	9.75	9.75		OB										
17.37	-60.50°	178.59°	9.75	33.50	23.75		AGD										
75.29	-61.00°	177.59°	33.50	34.74	1.24		SCH										
136.25	-61.00°	163.59°	34.74	38.83	4.09		AGD										
			38.83	42.32	3.49		FGD										
			42.32	63.52	21.20		AGD										
			63.52	64.40	0.88		FGD										
			64.40	89.30	24.90		AGD										
			89.30	93.74	4.44		FGD										
			93.74	107.79	14.05		AGD										
			107.79	108.74	0.95		FD										
			108.74	114.00	5.26		AGD										
			114.00	120.79	6.79		SAGD										
			120.79	124.18	3.39		FD										
			124.18	140.82	16.64		SAGD										
ASSAYS AND ANALYSES																	
			45.00	46.00	1.00		AGD	49534			0.12	< 0.02					
			46.00	47.00	1.00		AGD	49535			0.30	< 0.02					
			47.00	48.00	1.00		AGD	49536			1.30	0.04					
			48.00	49.00	1.00		AGD	49537			0.10	0.07					
			49.00	50.00	1.00		AGD	49538			0.02	0.05					
			50.00	51.00	1.00		AGD	49539			2.17	0.65					
			51.00	52.00	1.00		AGD	49540			0.09	< 0.02					
			76.00	78.00	2.00		AGD	49481			0.35	0.02					
			78.00	80.00	2.00		AGD	49482			0.62	0.02					
			80.00	82.00	2.00		AGD	49483			0.73	0.02					
			82.00	84.00	2.00		AGD	49484			0.59	< 0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 46 PAGE 2 OF 3

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			84.00	85.00	1.00		AGD	49485			0.79	< 0.02					
			85.00	86.00	1.00		AGD	49486			0.29	< 0.02					
			86.00	87.00	1.00		AGD	49487			0.78	0.02					
			87.00	88.00	1.00		AGD	49488			0.45	0.02					
			88.00	89.00	1.00		AGD	49489			1.03	< 0.02					
			89.00	90.00	1.00		FGD	49490			0.77	0.02					
			90.00	91.00	1.00		FGD	49491			0.39	< 0.02					
			91.00	92.00	1.00		FGD	49492			0.58	0.12					
			92.00	93.00	1.00		FGD	49493			0.25	0.02					
			93.00	94.00	1.00		FGD	49494			0.29	0.05					
			94.00	95.00	1.00		AGD	49495			0.22	< 0.02					
			95.00	96.00	1.00		AGD	49496			0.33	< 0.02					
			96.00	97.00	1.00		AGD	49497			0.48	0.05					
			97.00	98.00	1.00		AGD	49498			0.76	0.06					
			98.00	99.00	1.00		AGD	49499			0.39	0.07					
			99.00	100.00	1.00		AGD	49500			1.51	0.06					
			100.00	101.00	1.00		AGD	49501			0.28	0.02					
			101.00	102.00	1.00		AGD	49502			0.44	0.03					
			102.00	103.00	1.00		AGD	49503			0.52	0.04					
			103.00	104.00	1.00		AGD	49504			4.60	0.59					
			104.00	105.00	1.00		AGD	49505			1.77	0.14					
			105.00	106.00	1.00		AGD	49506			1.83	0.12					
			106.00	107.00	1.00		AGD	49507			2.28	0.11					
			107.00	108.00	1.00		AGD	49508			6.82	0.72					
			108.00	109.00	1.00		FD	49509			5.43	0.65					
			109.00	110.00	1.00		AGD	49510			1.35	0.06					
			110.00	111.00	1.00		AGD	49511			0.73	0.04					
			111.00	112.00	1.00		AGD	49512			0.89	0.06					
			112.00	113.00	1.00		AGD	49513			0.52	0.04					
			113.00	114.00	1.00		AGD	49514			0.44	< 0.02					
			114.00	115.00	1.00		SAGD	49515			0.34	0.02					
								CONTINUED									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 47 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -60° AZIMUTH (I): 180.59° DEPTH: 113.39m
 CLAIM: LOGAN 7 NORTHING: 224.97 DATE STARTED: AUGUST 16N 1987
 SECTION: 975 E EASTING: 977.47 DATE FINISHED: AUGUST 19D 1987
 CORE SIZE: NQ ELEVATION: 1365.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 91 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT

COMMENTS: HOLE L-47 WAS DRILLED TO TEST FOR EASTWARD CONTINUITY OF MINERALIZATION FOUND IN SECTION 8+90E AND TO TEST AN I.P. ANOMALY. TWO 18m WIDE INTERVALS (37-55m AND 83-101m) OF STOCKWORK MINERALIZATION WERE INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 4m OF BARREN CORE.

UTM COORDINATES: NORTHING 6708859.5 EASTING 420222.1

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	8.23	8.23		DB											
17.37	-61.50°	177.59°	8.23	12.30	4.07		GD											
108.81	-62.00°	171.59°	12.30	13.60	1.30		SCH											
			13.60	97.30	83.70		AGD											
			97.30	101.10	3.80		MGV											
			101.10	109.10	8.00		GM											
			109.10	113.39	4.29		AGD											
ASSAYS AND ANALYSES																		
			35.00	37.00	2.00		AGD	49541			0.18	0.02						
			37.00	39.00	2.00		AGD	49542			0.64	0.09						
			39.00	41.00	2.00		AGD	49543			0.14	0.04						
			41.00	43.00	2.00		AGD	49544			0.38	0.02						
			43.00	45.00	2.00		AGD	49545			0.39	0.03						
			45.00	47.00	2.00		AGD	49546			0.18	0.02						
			47.00	49.00	2.00		AGD	49547			0.60	0.04						
			49.00	51.00	2.00		AGD	49548			0.82	0.66						
			51.00	53.00	2.00		AGD	49549			1.01	0.06						
			53.00	55.00	2.00		AGD	49550			0.64	0.02						
			55.00	57.00	2.00		AGD	49551			0.22	< 0.02						
			81.00	83.00	2.00		AGD	49552			0.27	0.06						
			83.00	85.00	2.00		AGD	49553			0.14	0.02						
			85.00	87.00	2.00		AGD	49554			0.08	0.02						
			87.00	89.00	2.00		AGD	49555			0.04	0.02						
			89.00	91.00	2.00		AGD	49556			0.10	0.02						
			91.00	93.00	2.00		AGD	49557			0.06	< 0.02						
			93.00	95.00	2.00		AGD	49558			0.18	0.02						
			95.00	96.00	1.00		AGD	49559			0.06	< 0.02						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 47 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA	GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
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Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			96.00	97.00	1.00		AGD	49560			0.09	0.02					
			97.00	98.00	1.00		MGV	49561			0.19	0.02					
			98.00	99.00	1.00		MGV	49562			0.82	0.14					
			99.00	101.00	2.00		MGV	49563			0.77	0.05					
			101.00	102.00	1.00		GM	49564			0.32	0.04					
			102.00	103.00	1.00		GM	49565			0.33	0.02					
			103.00	104.00	1.00		GM	49566			0.41	0.04					
			104.00	105.00	1.00		GM	49567			0.24	0.02					
			105.00	106.00	1.00		GM	49568			0.36	0.12					
			106.00	107.00	1.00		GM	49569			0.10	0.05					
			107.00	108.00	1.00		GM	49570			0.32	0.02					
			108.00	109.00	1.00		GM	49571			0.52	0.02					
			109.00	110.00	1.00		AGD	49572			0.42	0.02					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 48 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (t): 180.59 ° DEPTH: 132.89m
 CLAIM: LOGAN 7 NORTHING: 224.45 DATE STARTED: AUGUST 17D 1987
 SECTION: 1090 E EASTING: 1094.07 DATE FINISHED: AUGUST 19D 1987
 CORE SIZE: NQ ELEVATION: 1353.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 90 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL
 COMMENTS: HOLE L-48 WAS DRILLED TO TEST AN I.P. ANOMALY AND TO TEST FOR AN EASTWARD EXTENSION OF THE MAIN ZONE MINERALIZATION. APPROXIMATELY 40m (54-94m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 38m OF BARREN CORE.
 UTM COORDINATES: NORTHING 6708924.8 EASTING 420318.7
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00*	180.59	0.00	6.10	6.10		OB											
15.54	-60.00*	181.59	6.10	85.59	79.49		AGD											
128.32	-59.50*	169.59	85.59	92.20	6.61		SAGD											
			92.20	93.65	1.45		AGD											
			93.65	101.75	8.10		SAGD											
			101.75	132.89	31.14		GD											
ASSAYS AND ANALYSES																		
			54.00	55.00	1.00		AGD	49573			0.18	< 0.02						
			55.00	56.00	1.00		AGD	49574			0.34	0.02						
			56.00	57.00	1.00		AGD	49575			0.23	0.02						
			57.00	59.00	2.00		AGD	49576			0.60	0.03						
			59.00	60.00	1.00		AGD	49577			0.22	0.03						
			60.00	61.00	1.00		AGD	49578			0.70	0.03						
			61.00	62.00	1.00		AGD	49579			3.28	0.62						
			62.00	63.00	1.00		AGD	49580			1.40	1.32						
			63.00	64.00	1.00		AGD	49581			0.71	0.20						
			64.00	65.00	1.00		AGD	49582			0.67	0.04						
			65.00	66.00	1.00		AGD	49583			0.16	< 0.02						
			66.00	67.00	1.00		AGD	49584			0.73	0.03						
			67.00	68.00	1.00		AGD	49585			0.25	0.03						
			68.00	70.00	2.00		AGD	49586			0.56	0.02						
			70.00	72.00	2.00		AGD	49587			0.26	0.03						
			72.00	74.00	2.00		AGD	49588			0.21	0.04						
			74.00	76.00	2.00		AGD	49589			0.36	< 0.02						
			76.00	78.00	2.00		AGD	49590			0.14	< 0.02						
			78.00	80.00	2.00		AGD	49591			0.23	0.08						
			80.00	81.00	1.00		AGD	49592			0.33	0.03						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 49 PAGE 2 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			22.00	23.00	1.00		AGD	49602			0.04	0.05					
			23.00	24.00	1.00		AGD	49603			3.22	1.47					
			24.00	25.00	1.00		AGD	49604			0.06	0.23					
			25.00	27.00	2.00		AGD	49605			0.10	0.53					
			27.00	28.00	1.00		AGD	49606			1.20	0.12					
			28.00	29.00	1.00		AGD	49607			0.98	0.07					
			29.00	30.00	1.00		AGD	49608			1.04	0.26					
			30.00	31.00	1.00		AGD	49609			1.53	0.50					
			31.00	32.00	1.00		MQV	49610			1.63	0.22					
			32.00	33.00	1.00		MQV	49611			2.28	0.25					
			33.00	34.00	1.00		MQV	49612			5.23	0.67					
			34.00	35.00	1.00		MQV	49613			3.21	1.41					
			35.00	36.00	1.00		FD	49614			13.20	1.91					
			36.00	37.00	1.00		FD	49615			4.00	0.83					
			37.00	38.00	1.00		AGD	49616			5.32	0.86					
			38.00	39.00	1.00		AGD	49617			1.95	0.29					
			39.00	40.00	1.00		AGD	49618			5.70	1.39					
			40.00	41.00	1.00		AGD	49619			1.42	1.43					
			41.00	42.00	1.00		AGD	49620			1.68	6.57					
			42.00	43.00	1.00		AGD	49621			2.27	0.84					
			43.00	44.00	1.00		AGD	49622			1.57	0.30					
			44.00	45.00	1.00		AGD	49623			1.72	0.09					
			45.00	46.00	1.00		AGD	49624			3.00	1.01					
			46.00	47.00	1.00		AGD	49625			5.40	0.23					
			47.00	48.00	1.00		AGD	49626			13.55	2.91					
			48.00	49.00	1.00		AGD	49627			7.03	1.23					
			49.00	50.00	1.00		AGD	49628			2.01	0.12					
			50.00	51.00	1.00		MQV	49629			8.55	1.60					
			51.00	52.00	1.00		AGD	49630			1.88	0.09					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 49 PAGE 3 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			52.00	53.00	1.00		MGV	49631			3.67	1.80						
			53.00	54.00	1.00		MGV	49632			10.58	4.41						
			54.00	55.00	1.00		AGD	49633			2.68	0.46						
			55.00	56.00	1.00		AGD	49634			2.96	0.18						
			56.00	57.00	1.00		AGD	49635			2.77	0.30						
			57.00	58.00	1.00		AGD	49636			0.56	< 0.02						
			58.00	59.00	1.00		AGD	49637			0.52	0.02						
			59.00	60.00	1.00		AGD	49638			0.56	< 0.02						
			60.00	61.00	1.00		AGD	49639			5.51	4.47						
			61.00	62.00	1.00		AGD	49640			0.80	0.03						
			62.00	63.00	1.00		AGD	49641			0.85	0.03						
			63.00	64.00	1.00		AGD	49642			1.98	0.09						
			64.00	65.00	1.00		AGD	49643			1.63	0.09						
			65.00	66.00	1.00		AGD	49644			3.44	0.30						
			66.00	67.00	1.00		AGD	49645			1.45	0.05						
			67.00	68.00	1.00		AGD	49646			1.84	0.06						
			68.00	69.00	1.00		AGD	49647			2.98	0.15						
			69.00	70.00	1.00		AGD	49648			1.38	0.04						
			70.00	71.00	1.00		AGD	49649			6.22	0.41						
			71.00	72.00	1.00		AGD	49650			1.88	0.10						
			72.00	73.00	1.00		AGD	49651			1.21	0.03						
			73.00	74.00	1.00		AGD	49652			2.52	0.55						
			74.00	75.00	1.00		AGD	49653			1.24	0.10						
			75.00	76.00	1.00		AGD	49654			1.80	0.27						
			76.00	77.00	1.00		AGD	49655			2.28	0.11						
			77.00	78.00	1.00		AGD	49656			4.55	0.27						
			78.00	79.00	1.00		AGD	49657			2.40	0.18						
			79.00	80.00	1.00		AGD	49658			1.28	0.12						
			80.00	81.00	1.00		AGD	49659			8.40	0.56						
			81.00	82.00	1.00		AGD	49660			4.20	0.95						
			82.00	83.00	1.00		AGD	49661			9.03	1.10						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 49 PAGE 4 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			83.00	84.00	1.00		AGD	49662			2.57	0.39						
			84.00	85.00	1.00		AGD	49663			1.42	0.07						
			85.00	86.00	1.00		AGD	49664			3.12	0.07						
			86.00	87.00	1.00		AGD	49665			3.08	0.21						
			87.00	88.00	1.00		AGD	49666			2.61	0.17						
			88.00	89.00	1.00		AGD	49667			2.22	0.03						
			89.00	90.00	1.00		AGD	49668			2.68	0.93						
			90.00	92.00	2.00		AGD	49669			3.29	0.40						
			92.00	93.00	1.00		AGD	49670			1.44	0.51						
			93.00	94.00	1.00		AGD	49671			2.36	0.02						
			94.00	95.00	1.00		AGD	49672			7.96	0.37						
			95.00	96.00	1.00		AGD	49673			2.52	0.03						
			96.00	97.00	1.00		AGD	49674			2.60	0.04						
			97.00	98.00	1.00		AGD	49675			2.32	0.02						
			98.00	99.00	1.00		AGD	49676			4.58	0.28						
			99.00	100.00	1.00		AGD	49677			3.55	0.04						
			100.00	101.00	1.00		AGD	49678			2.00	0.04						
			101.00	102.00	1.00		AGD	49679			7.12	0.09						
			102.00	103.00	1.00		AGD	49680			2.82	0.22						
			103.00	104.00	1.00		AGD	49681			8.02	1.11						
			104.00	105.00	1.00		AGD	49682			3.57	0.19						
			105.00	106.00	1.00		AGD	49683			1.99	0.15						
			106.00	107.00	1.00		AGD	49684			3.50	0.15						
			107.00	108.00	1.00		AGD	49685			3.50	0.47						
			108.00	109.00	1.00		AGD	49686			4.01	0.34						
			109.00	110.00	1.00		AGD	49687			1.75	0.04						
			110.00	111.00	1.00		AGD	49688			1.76	0.04						
			111.00	112.00	1.00		AGD	49689			1.86	0.35						
			112.00	113.00	1.00		AGD	49690			6.30	0.27						
			113.00	114.00	1.00		AGD	49691			18.26	1.26						
			114.00	115.00	1.00		AGD	49692			4.37	0.38						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 49 PAGE 5 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			115.00	116.00	1.00		AGD	49693			8.40	0.58					
			116.00	117.00	1.00		AGD	49694			1.38	0.03					
			117.00	118.00	1.00		AGD	49695			5.65	0.24					
			118.00	119.00	1.00		AGD	49696			5.40	0.39					
			119.00	120.00	1.00		AGD	49697			8.32	0.67					
			120.00	121.00	1.00		AGD	49698			1.76	0.07					
			121.00	122.00	1.00		MQV	49699			7.39	0.65					
			122.00	123.00	1.00		AGD	49700			3.04	0.15					
			123.00	124.00	1.00		AGD	49701			1.12	0.03					
			124.00	125.00	1.00		AGD	49702			2.08	0.05					
			125.00	126.00	1.00		AGD	49703			1.60	0.05					
			126.00	127.00	1.00		AGD	49704			3.69	0.10					
			127.00	128.00	1.00		AGD	49705			10.56	0.50					
			128.00	129.00	1.00		AGD	49706			4.40	0.47					
			129.00	130.00	1.00		AGD	49707			5.88	0.35					
			130.00	131.00	1.00		FGD	49708			5.35	0.40					
			131.00	132.00	1.00		FGD	49709			18.56	1.97					
			132.00	133.00	1.00	4.0	FGD	49710	19.26		31.21	1.84	1.34				
			133.00	134.00	1.00		MQV	49711			14.85	0.68					
			134.00	135.00	1.00		MQV	49712			12.42	0.87					
			135.00	136.00	1.00		FGD	49713			4.88	0.47					
			136.00	137.00	1.00		FGD	49714			1.42	0.07					
			137.00	138.00	1.00		AGD	49715			14.00	3.05					
			138.00	139.00	1.00		MS	49716			21.11	2.07					
			139.00	140.00	1.00		AGD	49717			4.60	1.03					
			140.00	141.00	1.00		AGD	49718			16.40	1.58					
			141.00	142.00	1.00		MAV	49719			18.05	2.19					
			142.00	143.00	1.00		MAV	49720			3.60	1.10					
			143.00	144.00	1.00		FD	49721			8.12	1.00					
			144.00	145.00	1.00		FD	49722			4.59	0.35					
			145.00	146.00	1.00		FD	49723			4.33	0.36					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 49 PAGE 6 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			146.00	147.00	1.00		AGD	49724			2.35	0.22					
			147.00	148.00	1.00		AGD	49725			2.80	0.12					
			148.00	149.00	1.00		AGD	49726			1.49	0.06					
			149.00	150.00	1.00		AGD	49727			0.80	0.05					
			150.00	151.00	1.00		AGD	49728			0.84	0.14					
			151.00	152.00	1.00		SAGD	49729			0.42	0.02					
			152.00	153.00	1.00		AFD	49730			0.72	< 0.02					
			153.00	154.00	1.00		AFD	49731			0.59	0.02					
			154.00	155.00	1.00		AFD	49732			1.60	0.04					
			155.00	156.00	1.00		AFD	49733			0.67	0.05					
			156.00	157.00	1.00		AFD	49734			0.24	< 0.02					
			157.00	158.00	1.00		AFD	49735			0.28	< 0.02					
			158.00	159.00	1.00		MQBX	49736			0.06	< 0.02					
			159.00	160.00	1.00		MQBX	49737			0.10	0.08					
			160.00	161.00	1.00		MQBX	49738			2.42	0.25					
			161.00	162.00	1.00		MQBX	49739			0.60	0.12					
			162.00	164.00	2.00		AFD	49740			0.25	0.05					
			164.00	166.00	2.00		AFD	49741			0.54	0.02					
			166.00	168.00	2.00		AFD	49742			0.62	0.02					
			168.00	170.00	2.00		AFD	49743			0.66	< 0.02					
			170.00	172.00	2.00		SAGD	49744			0.66	< 0.02					
								AVERAGES									
			101.00	147.00	46.00						7.07	0.62					
			22.00	172.00	150.00						3.95	0.53					
			45.00	148.00	103.00						5.01	0.56					
			46.00	51.00	5.00						7.31	1.22					
			126.00	147.00	21.00						10.02	0.98					
			131.00	142.00	11.00						14.32	1.44					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 50 PAGE 3 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			41.00	42.00	1.00		FD	49766			5.04	0.85						
			42.00	43.00	1.00		FD	49767			3.45	0.30						
			43.00	44.00	1.00		FD	49768			6.60	0.71						
			44.00	45.00	1.00		AGD	49769			1.96	0.22						
			45.00	46.00	1.00		AGD	49770			1.12	0.08						
			46.00	47.00	1.00		AGD	49771			1.45	0.08						
			47.00	48.00	1.00		AGD	49772			2.73	0.25						
			48.00	49.00	1.00		AGD	49773			1.66	0.12						
			49.00	50.00	1.00		AGD	49774			1.00	0.20						
			50.00	51.00	1.00		AGD	49775			4.42	0.83						
			51.00	52.00	1.00		AGD	49776			6.02	0.72						
			52.00	53.00	1.00		AGD	49777			1.76	0.20						
			53.00	54.00	1.00		MGV	49778			8.26	1.62						
			54.00	55.00	1.00		AGD	49779			1.41	0.24						
			55.00	56.00	1.00		AGD	49780			9.60	0.69						
			56.00	57.00	1.00		AGD	49781			17.29	0.56						
			57.00	58.00	1.00		AGD	49782			1.41	0.09						
			58.00	59.00	1.00		AGD	49783			1.52	0.11						
			59.00	60.00	1.00		AGD	49784			0.98	0.05						
			60.00	61.00	1.00		AGD	49785			0.81	0.05						
			61.00	62.00	1.00		AGD	49786			1.38	0.12						
			62.00	63.00	1.00		AGD	49787			1.10	0.19						
			63.00	64.00	1.00		MGV	49788			3.20	0.57						
			64.00	65.00	1.00		AGD	49789			2.40	0.30						
			65.00	66.00	1.00		AGD	49790			1.11	0.56						
			66.00	67.00	1.00		AGD	49791			1.16	0.17						
			67.00	68.00	1.00		AGD	49792			6.40	2.38						
			68.00	69.00	1.00		AGD	49793			5.76	2.03						
			69.00	70.00	1.00		AGD	49794			1.15	1.12						
			70.00	71.00	1.00		AGD	49795			4.78	0.39						
			71.00	72.00	1.00		AGD	49796			1.14	0.13						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 50 PAGE 5 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			103.00	104.00	1.00		AGD	49828			3.62	0.52					
			104.00	105.00	1.00		AGD	49829			0.68	0.28					
			105.00	106.00	1.00		AGD	49830			1.11	0.14					
			106.00	107.00	1.00		AGD	49831			0.40	0.07					
			107.00	108.00	1.00		AGD	49832			0.57	0.18					
			108.00	109.00	1.00		AGD	49833			1.57	0.21					
			109.00	110.00	1.00		AGD	49834			0.34	0.07					
			110.00	111.00	1.00		AGD	49835			0.46	0.10					
			111.00	112.00	1.00		AGD	49836			0.67	0.08					
			112.00	113.00	1.00		AGD	49837			1.04	0.21					
			113.00	114.00	1.00		AGD	49838			1.34	0.22					
			114.00	115.00	1.00		AGD	49839			0.70	1.15					
			115.00	116.00	1.00		AGD	49840			0.74	0.15					
			116.00	117.00	1.00		AGD	49841			1.25	0.25					
			117.00	118.00	1.00		AGD	49842			0.90	0.21					
			118.00	119.00	1.00		FGD	49843			0.30	0.05					
			119.00	120.00	1.00		FGD	49844			1.49	0.12					
			120.00	121.00	1.00		FGD	49845			1.05	0.15					
			121.00	122.00	1.00		FGD	49846			2.05	0.21					
			122.00	123.00	1.00		MQBX	49847			1.60	0.50					
			123.00	124.00	1.00		MQBX	49848			2.70	1.13					
			124.00	125.00	1.00		MQBX	49849			6.45	0.64					
			125.00	126.00	1.00		MQBX	49850			5.10	0.63					
			126.00	127.00	1.00		MQBX	49851			4.48	0.57					
			127.00	128.00	1.00		FD	49852			5.32	0.61					
			128.00	129.00	1.00		FD	49853			4.76	0.79					
			129.00	130.00	1.00		FD	49854			2.75	0.32					
			130.00	131.00	1.00		MGV	49855			2.30	0.23					
			131.00	132.00	1.00		FD	49856			1.71	0.20					
			132.00	133.00	1.00		FD	49857			2.32	0.15					
			133.00	134.00	1.00		FD	49858			5.00	0.27					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 50 PAGE 6 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			134.00	135.00	1.00		FD	49859			4.30	0.27					
			135.00	137.00	2.00		FD	49860			2.60	0.17					
			137.00	138.00	1.00		FD	49861			1.95	0.19					
			138.00	139.00	1.00		FD	49862			1.32	0.08					
			139.00	140.00	1.00		FD	49863			2.45	0.19					
			140.00	141.00	1.00		FD	49864			2.70	0.12					
			141.00	142.00	1.00		FD	49865			2.55	0.08					
			142.00	143.00	1.00		FD	49866			2.78	0.24					
			143.00	144.00	1.00		FD	49867			1.89	0.16					
			144.00	145.00	1.00		FD	49868			1.74	1.01					
			145.00	146.00	1.00		AGD	49869			1.62	0.14					
			146.00	147.00	1.00		AGD	49870			0.44	0.09					
			147.00	148.00	1.00		AGD	49871			0.83	0.04					
			148.00	149.00	1.00		SAGD	49872			0.13	0.02					
			149.00	150.00	1.00		SAGD	49873			0.32	< 0.02					
								AVERAGES									
			22.00	150.00	128.00						3.03	0.48					
			24.00	57.00	33.00						5.02	0.73					
			90.00	104.00	14.00						5.13	0.89					
			124.00	129.00	5.00						5.22	0.65					
			33.00	42.00	9.00						7.35	1.20					
			51.00	57.00	6.00						7.39	0.67					
			90.00	97.00	7.00						7.28	1.30					
			34.00	38.00	4.00						10.62	2.15					
			91.00	95.00	4.00						10.09	1.79					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 87 -L- 51 PAGE 1 OF 5

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (t): 180.59 ° DEPTH: 153.92m
 CLAIM: LOGAN 2 NORTHING: 242.99 DATE STARTED: AUGUST 23D 1987
 SECTION: 55 W EASTING: -54.36 DATE FINISHED: AUGUST 26D 1987
 CORE SIZE: NQ ELEVATION: 1374.9 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 87 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-51 WAS DRILLED TO TEST FOR EAST-WEST CONTINUITY OF A MINERALIZED ZONE FOUND IN SECTIONS 110W AND 010W. APPROXIMATELY 115m (33-148m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING WELL INTO THE FOOTWALL FAULT.

UTM COORDINATES: NORTHING 6708292.7 EASTING 419359.7

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD												VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00	180.59	0.00	12.50	12.50		OB											
21.34	-59.50	184.59	12.50	19.24	6.74		AGD											
82.30	-59.50	184.59	19.24	19.83	0.59		SAGD											
149.35	-59.50	178.59	19.83	38.20	18.37		AGD											
			38.20	39.61	1.41		SAGD											
			39.61	42.82	3.21		AGD											
			42.82	43.62	0.80		MABX											
			43.62	45.03	1.41		AGD											
			45.03	46.03	1.00		MABX											
			46.03	50.00	3.97		MS											
			50.00	50.51	0.51		FD											
			50.51	52.79	2.28		MQV											
			52.79	54.06	1.27		MS											
			54.06	54.67	0.61		MQV											
			54.67	55.77	1.10		MS											
			55.77	59.57	3.80		MQV											
			59.57	60.92	1.35		AGD											
			60.92	61.57	0.65		FD											
			61.57	105.63	44.06		AGD											
			105.63	109.00	3.37		MQV											
			109.00	111.40	2.40		DIBX											
			111.40	112.44	1.04		MS											
			112.44	130.37	17.93		AGD											
			130.37	133.20	2.83		SAGD											
			133.20	134.87	1.67		AGD											
			134.87	143.95	9.08		SAGD											
			143.95	148.44	4.49		AGD											
			148.44	153.92	5.48		SAGD											
ASSAYS AND ANALYSES																		
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 51 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			62.00	63.00	1.00		AGD	49903			1.92	0.50					
			63.00	64.00	1.00		AGD	49904			6.83	0.38					
			64.00	65.00	1.00		AGD	49905			4.28	0.55					
			65.00	66.00	1.00		AGD	49906			4.40	0.24					
			66.00	67.00	1.00		AGD	49907			2.32	0.28					
			67.00	68.00	1.00		AGD	49908			2.87	0.16					
			68.00	69.00	1.00		AGD	49909			2.06	0.22					
			69.00	70.00	1.00		AGD	49910			0.26	0.43					
			70.00	71.00	1.00		AGD	49911			1.87	0.17					
			71.00	72.00	1.00		AGD	49912			1.92	0.09					
			72.00	73.00	1.00		AGD	49913			0.61	0.06					
			73.00	74.00	1.00		AGD	49914			1.88	0.12					
			74.00	75.00	1.00		AGD	49915			0.36	0.10					
			75.00	76.00	1.00		AGD	49916			0.85	0.07					
			76.00	77.00	1.00		AGD	49917			1.74	0.09					
			77.00	78.00	1.00		AGD	49918			1.04	0.13					
			78.00	79.00	1.00		AGD	49919			0.48	0.06					
			79.00	80.00	1.00		AGD	49920			1.20	0.08					
			80.00	81.00	1.00		AGD	49921			1.40	0.05					
			81.00	82.00	1.00		AGD	49922			4.19	0.36					
			82.00	83.00	1.00		AGD	49923			3.21	0.51					
			83.00	84.00	1.00		AGD	49924			4.18	0.62					
			84.00	85.00	1.00		AGD	49925			3.48	0.59					
			85.00	86.00	1.00		AGD	49926			3.92	0.13					
			86.00	87.00	1.00		AGD	49927			5.11	0.11					
			87.00	88.00	1.00		AGD	49928			2.95	0.16					
			88.00	89.00	1.00		AGD	49929			3.52	0.08					
			89.00	90.00	1.00		AGD	49930			3.07	0.08					
			90.00	91.00	1.00		AGD	49931			4.40	0.09					
			91.00	92.00	1.00		AGD	49932			3.19	0.87					
			92.00	93.00	1.00		AGD	49933			4.30	0.14					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 51 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			93.00	94.00	1.00		AGD	49934			15.10	1.49						
			94.00	95.00	1.00		AGD	49935			3.22	0.10						
			95.00	96.00	1.00		AGD	49936			7.40	0.62						
			96.00	97.00	1.00		AGD	49937			3.20	0.13						
			97.00	98.00	1.00		AGD	49938			6.25	0.49						
			98.00	99.00	1.00		AGD	49939			4.25	0.19						
			99.00	100.00	1.00		AGD	49940			1.85	0.06						
			100.00	101.00	1.00		AGD	49941			3.70	0.22						
			101.00	102.00	1.00		AGD	49942			5.30	0.34						
			102.00	103.00	1.00		AGD	49943			7.10	0.45						
			103.00	104.00	1.00		AGD	49944			6.00	0.43						
			104.00	105.00	1.00		AGD	49945			3.19	0.46						
			105.00	106.00	1.00		AGD	49946			9.23	0.76						
			106.00	107.00	1.00	4.0	MQV	49947		9.61	6.90	0.72	1.10					
			107.00	108.00	1.00		MQV	49948			12.90	1.75						
			108.00	109.00	1.00		MQV	49949			9.40	1.17						
			109.00	110.00	1.00		DIBX	49950			1.43	0.31						
			110.00	111.00	1.00		DIBX	49951			0.45	0.30						
			111.00	112.00	1.00		MS	49952			6.08	1.82						
			112.00	113.00	1.00		AGD	49953			7.62	1.48						
			113.00	114.00	1.00		AGD	49954			3.04	0.24						
			114.00	115.00	1.00		AGD	49955			7.73	1.25						
			115.00	116.00	1.00		AGD	49956			7.15	0.40						
			116.00	117.00	1.00		AGD	49957			2.28	0.11						
			117.00	118.00	1.00		AGD	49958			1.20	0.34						
			118.00	119.00	1.00		AGD	49959			0.75	0.19						
			119.00	120.00	1.00		AGD	49960			0.74	0.10						
			120.00	121.00	1.00		AGD	49961			1.34	0.43						
			121.00	122.00	1.00		AGD	49962			0.47	0.04						
			122.00	124.00	2.00		AGD	49963			0.35	0.04						
			124.00	126.00	2.00		AGD	49964			0.21	0.02						

CONTINUED

PROPERTY LOGAN D.D.H. 87 -L- 52 PAGE 1 OF 4

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 120.09m

CLAIM: LOGAN 2 NORTHING: 228.05 DATE STARTED: AUGUST 26D 1987

SECTION: 140 W EASTING: -141.92 DATE FINISHED: AUGUST 28N 1987

CORE SIZE: NQ ELEVATION: 1372.4 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 83 % CORE STORED AT: LOGAN PROP. LOGGED BY: KIM MEIDAL

COMMENTS: HOLE L-52 WAS DRILLED TO TEST FOR EAST-WEST CONTINUITY OF A MINERALIZED ZONE FOUND IN SECTIONS 110W AND 205W. APPROXIMATELY 70m (40-110m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING WELL INTO THE FOOTWALL FAULT.

UTM COORDINATES: NORTHING 6708231.0 EASTING 419295.8

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.59°	0.00	12.50	12.50		OB											
21.03	-60.00°	180.59°	12.50	39.93	27.43		AGD											
115.52	-61.00°	180.59°	39.93	41.12	1.19		MQBX											
			41.12	47.58	6.46		FD											
			47.58	49.86	2.28		AGD											
			49.86	53.58	3.72		MQV											
			53.58	54.42	0.84		FD											
			54.42	60.37	5.95		AGD											
			60.37	62.18	1.81		MQV											
			62.18	88.04	25.86		AGD											
			88.04	89.06	1.02		MQV											
			89.06	94.44	5.38		AGD											
			94.44	95.66	1.22		MQBX											
			95.66	97.40	1.74		AGD											
			97.40	100.90	3.50		MQBX											
			100.90	109.48	8.58		AGD											
			109.48	120.09	10.61		SAGD											
ASSAYS AND ANALYSES																		
			33.00	34.00	1.00		AGD	49982			0.08	< 0.02						
			34.00	35.00	1.00		AGD	49983			0.05	0.04						
			35.00	36.00	1.00		AGD	49984			0.10	0.03						
			36.00	37.00	1.00		AGD	49985			0.10	0.10						
			37.00	38.00	1.00		AGD	49986			0.17	0.02						
			38.00	39.00	1.00		AGD	49987			0.19	0.02						
			39.00	40.00	1.00		AGD	49988			0.22	0.16						
			40.00	41.00	1.00		MQBX	49989			0.13	0.02						
			41.00	42.00	1.00		FD	49990			0.49	0.17						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 52 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			42.00	43.00	1.00		FD	49991			1.35	0.05					
			43.00	44.00	1.00		FD	49992			0.92	0.05					
			44.00	45.00	1.00		FD	49993			0.64	0.03					
			45.00	46.00	1.00		FD	49994			1.16	0.04					
			46.00	47.00	1.00		FD	49995			0.72	0.08					
			47.00	48.00	1.00		FD	49996			0.32	0.12					
			48.00	49.00	1.00		AGD	49997			1.44	0.09					
			49.00	50.00	1.00		AGD	49998			5.90	0.33					
			50.00	51.00	1.00		MQV	49999			4.10	0.27					
			51.00	52.00	1.00		MQV	50000			32.18	5.84					
			52.00	53.00	1.00		MQV	50001			9.44	2.44					
			53.00	54.00	1.00		MQV	50002			3.30	0.40					
			54.00	55.00	1.00		AGD	50003			4.80	1.95					
			55.00	56.00	1.00		AGD	50004			1.84	0.43					
			56.00	57.00	1.00		AGD	50005			2.86	0.58					
			57.00	58.00	1.00		AGD	50006			1.54	0.13					
			58.00	59.00	1.00		AGD	50007			1.31	0.14					
			59.00	60.00	1.00		AGD	50008			2.20	0.11					
			60.00	61.00	1.00		MQV	50009			4.76	0.59					
			61.00	62.00	1.00		MQV	50010			1.46	1.11					
			62.00	63.00	1.00		AGD	50011			0.80	0.71					
			63.00	64.00	1.00		AGD	50012			0.91	0.24					
			64.00	65.00	1.00		AGD	50013			1.86	0.27					
			65.00	66.00	1.00		AGD	50014			5.82	1.37					
			66.00	67.00	1.00		AGD	50015			7.62	0.58					
			67.00	68.00	1.00		AGD	50016			1.60	0.09					
			68.00	69.00	1.00		AGD	50017			0.69	0.14					
			69.00	70.00	1.00		AGD	50018			1.29	0.12					
			70.00	71.00	1.00		AGD	50019			2.78	0.41					
			71.00	72.00	1.00		AGD	50020			3.30	0.21					
			72.00	73.00	1.00		AGD	50021			2.44	0.63					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 52 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			73.00	74.00	1.00		AGD	50022			0.77	0.49					
			74.00	75.00	1.00		AGD	50023			2.17	0.34					
			75.00	76.00	1.00		AGD	50024			2.20	0.84					
			76.00	77.00	1.00		AGD	50025			3.24	0.27					
			77.00	78.00	1.00		AGD	50026			3.79	0.41					
			78.00	79.00	1.00		AGD	50027			1.90	0.12					
			79.00	80.00	1.00		AGD	50028			1.85	0.07					
			80.00	81.00	1.00		AGD	50029			3.08	0.26					
			81.00	82.00	1.00		AGD	50030			4.63	1.38					
			82.00	83.00	1.00		AGD	50031			2.35	0.44					
			83.00	84.00	1.00		AGD	50032			2.64	0.70					
			84.00	85.00	1.00		AGD	50033			3.14	0.28					
			85.00	86.00	1.00		AGD	50034			6.61	0.62					
			86.00	87.00	1.00		AGD	50035			1.56	0.12					
			87.00	88.00	1.00		AGD	50036			1.00	0.07					
			88.00	89.00	1.00		MQV	50037			18.45	3.80					
			89.00	90.00	1.00		AGD	50038			5.32	0.45					
			90.00	91.00	1.00		AGD	50039			3.52	0.18					
			91.00	92.00	1.00		AGD	50040			1.72	0.11					
			92.00	93.00	1.00		AGD	50041			3.00	0.16					
			93.00	94.00	1.00		AGD	50042			5.91	0.37					
			94.00	95.00	1.00		MQBX	50043			4.40	0.56					
			95.00	96.00	1.00		MQBX	50044			1.68	0.11					
			96.00	97.00	1.00		AGD	50045			3.05	0.28					
			97.00	98.00	1.00		MQBX	50046			4.25	0.43					
			98.00	99.00	1.00		MQBX	50047			2.27	0.22					
			99.00	100.00	1.00		MQBX	50048			1.76	0.25					
			100.00	101.00	1.00		MQBX	50049			0.78	0.06					
			101.00	102.00	1.00		AGD	50050			1.32	0.16					
			102.00	103.00	1.00		AGD	50051			0.37	0.02					
			103.00	104.00	1.00		AGD	50052			0.97	0.08					
								CONTINUED									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 52 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			104.00	106.00	2.00		AGD	50053			0.53	0.03					
			106.00	108.00	2.00		AGD	50054			0.80	0.04					
			108.00	110.00	2.00		AGD	50055			1.00	0.04					
			110.00	112.00	2.00		SAGD	50056			0.29	0.02					
			112.00	114.00	2.00		SAGD	50057			0.20	< 0.02					
								AVERAGES									
			49.00	67.00	18.00						5.15	0.97					
			85.00	95.00	10.00						5.15	0.64					
			49.00	58.00	9.00						7.33	1.37					
			49.00	54.00	5.00						10.98	1.86					
			42.00	113.00	71.00						3.05	0.47					

PROPERTY LOGAN D.D.H. 87 -L- 54 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 609.91m
 CLAIM: LOGAN 47 NORTHING: 573.33 DATE STARTED: AUGUST 26D 1987
 SECTION: 5 W EASTING: -1.06 DATE FINISHED: SEPTEMBER 11D 1987
 CORE SIZE: NQ ELEVATION: 1429.3 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 89 % CORE STORED AT: LOGAN PROP. LOGGED BY: K.M. & F.D.
 COMMENTS: HOLE L-54 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF MINERALIZATION INTERSECTED IN HOLES L-5,15,16 AND 18 (SECTION 10W). THIS IS THE DEEPEST HOLE THAT WAS DRILLED ON THE PROPERTY. ROUGHLY 89m (434-523m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING PAST THE TARGETED DEPTH AND DRILLING 80m OF SPARSELY MINERALIZED CORE. UTM COORDINATES: NORTHING 6708595.6 EASTING 419217.5
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	12.80	12.80		DB										
72.54	-59.50°	180.59°	12.80	14.71	1.91		SAGD										
124.97	-59.00°	180.59°	14.71	88.60	73.89		AGD										
194.46	-60.00°	179.59°	88.60	90.88	2.28		SAGD										
258.47	-60.50°	182.59°	90.88	118.89	28.01		GD										
332.84	-61.50°	180.59°	118.89	121.62	2.73		SCH										
399.90	-61.50°	183.59°	121.62	130.55	8.93		GD										
475.18	-61.50°	180.59°	130.55	132.69	2.14		SCH										
531.88	-61.80°	175.59°	132.69	176.92	44.23		AGD										
605.33	-62.00°	175.59°	176.92	181.87	4.95		SCH										
			181.87	185.98	4.11		GD										
			185.98	188.22	2.24		SCH										
			188.22	201.45	13.23		GD										
			201.45	204.17	2.72		SCH										
			204.17	212.74	8.57		GD										
			212.74	223.49	10.75		SCH										
			223.49	244.53	21.04		GD										
			244.53	247.35	2.82		FGD										
			247.35	272.31	24.96		GD										
			272.31	275.01	2.70		SCH										
			275.01	306.10	31.09		GD										
			306.10	419.40	113.30		AGD										
			419.40	423.25	3.85		FD										
			423.25	430.80	7.55		AGD										
			430.80	433.50	2.70		SAGD										
			433.50	441.00	7.50		AGD										
			441.00	444.70	3.70		SAGD										
			444.70	455.20	10.50		AGD										
			455.20	457.60	2.40		SAGD										
			457.60	524.25	66.65		AGD										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 54 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			524.25	530.65	6.40		SAGD											
			530.65	534.05	3.40		AGD											
			534.05	545.45	11.40		SAGD											
			545.45	549.40	3.95		AGD											
			549.40	551.91	2.51		QV											
			551.91	553.82	1.91		NR											
			553.82	593.00	39.18		AGD											
			593.00	595.05	2.05		SAGD											
			595.05	609.91	14.86		AGD											
ASSAYS AND ANALYSES																		
			422.00	424.00	2.00		FD	50310			0.03	0.02						
			424.00	426.00	2.00		AGD	50311			0.01	0.02						
			426.00	428.00	2.00		AGD	50312			0.14	0.02						
			428.00	430.00	2.00		AGD	50313			0.48	0.20						
			430.00	432.00	2.00		SAGD	50314			0.59	0.05						
			432.00	434.00	2.00		SAGD	50315			0.40	0.02						
			434.00	436.00	2.00		AGD	50316			0.24	0.02						
			436.00	438.00	2.00		AGD	50317			0.10	0.02						
			438.00	440.00	2.00		AGD	50318			0.20	0.02						
			440.00	442.00	2.00		AGD	50319			0.52	0.04						
			442.00	444.00	2.00		AGD	50320			0.64	0.08						
			444.00	446.00	2.00		AGD	50321			0.58	0.02						
			446.00	448.00	2.00		AGD	50322			0.14	0.02						
			448.00	450.00	2.00		AGD	50323			0.41	0.02						
			450.00	452.00	2.00		AGD	50324			0.72	0.19						
			452.00	454.00	2.00		AGD	50325			1.00	0.07						
			454.00	456.00	2.00		AGD	50326			1.42	0.09						
			456.00	458.00	2.00		AGD	50327			0.90	0.08						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 54 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			458.00	460.00	2.00		AGD	50328			0.56	0.11					< 0.002	
			460.00	462.00	2.00		AGD	50329			0.93	0.07					< 0.002	
			462.00	464.00	2.00		AGD	50330			2.00	1.08					< 0.002	
			464.00	466.00	2.00		AGD	50331			1.00	0.40					< 0.002	
			466.00	468.00	2.00		AGD	50332			1.52	0.08					< 0.002	
			468.00	470.00	2.00		AGD	50333			2.40	0.19					< 0.002	
			470.00	472.00	2.00		AGD	50334			0.40	0.15					< 0.002	
			472.00	474.00	2.00		AGD	50335			0.39	0.03					< 0.002	
			474.00	476.00	2.00		AGD	50336			1.01	0.09					< 0.002	
			476.00	478.00	2.00		AGD	50337			0.74	0.02					0.003	
			478.00	480.00	2.00		AGD	50338			0.54	0.07					< 0.002	
			480.00	482.00	2.00		AGD	50339			0.66	< 0.02					0.014	
			482.00	483.00	1.00		AGD	50340			2.32	3.41					< 0.002	
			483.00	485.00	2.00		AGD	50341			0.27	0.07					< 0.002	
			485.00	487.00	2.00		AGD	50342			0.56	0.09					< 0.002	
			487.00	489.00	2.00		AGD	50343			0.70	0.13					< 0.002	
			489.00	491.00	2.00		AGD	50344			1.00	0.08					< 0.002	
			491.00	493.00	2.00		AGD	50345			0.72	0.08					< 0.002	
			493.00	495.00	2.00		AGD	50346			0.92	0.04					< 0.002	
			495.00	497.00	2.00		AGD	50347			0.29	0.02					< 0.002	
			497.00	499.00	2.00		AGD	50348			0.14	0.05						
			499.00	501.00	2.00		AGD	50349			0.34	0.11						
			501.00	503.00	2.00		AGD	50350			0.13	0.03						
			503.00	505.00	2.00		AGD	50351			0.50	0.17						
			505.00	507.00	2.00		AGD	50352			0.08	0.03						
			507.00	509.00	2.00		AGD	50353			0.14	0.02						
			509.00	511.00	2.00		AGD	50354			0.04	0.02						
			511.00	513.00	2.00		AGD	50355			0.48	0.04						
			513.00	515.00	2.00		AGD	50356			0.50	0.08						
			515.00	517.00	2.00		AGD	50357			0.14	0.02						
			517.00	519.00	2.00		AGD	50358			0.16	0.13						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 87 - 54 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			519.00	521.00	2.00		AGD	50359			0.70	0.08					
			521.00	523.00	2.00		AGD	50360			0.41	0.25					
			523.00	525.00	2.00		SAGD	50361			0.31	0.08					
			525.00	527.00	2.00		SAGD	50362			0.66	0.02					
			527.00	529.00	2.00		SAGD	50363			0.94	0.02					
			545.00	547.00	2.00		AGD	50364			0.03	< 0.02					
			547.00	549.00	2.00		AGD	50365			0.01	< 0.02					0.002
			549.00	551.00	2.00		QV	50366			< 0.01	< 0.02					0.006
			551.00	553.00	2.00		QV	50367			< 0.01	< 0.02					0.006
			553.00	555.00	2.00		AGD	50368			0.03	< 0.02					< 0.002
			555.00	557.00	2.00		AGD	50369			0.01	0.02					0.003
			557.00	559.00	2.00		AGD	50370			0.02	< 0.02					

PROPERTY LOGAN D.D.H. 87 -L- 55 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 165.6 ° DEPTH: 132.59m
 CLAIM: LOGAN 5 NORTHING: 227.4 DATE STARTED: SEPTEMBER 30 1987
 SECTION: 630 E EASTING: 626.98 DATE FINISHED: SEPTEMBER 50 1987
 CORE SIZE: NQ ELEVATION: 1373.83 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 86 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-55 WAS DRILLED TO TEST FOR EAST- WEST CONTINUITY OF MINERALIZATION FOUND IN SECTIONS 590E AND 690E, APPROXIMATELY 107m (16-23m) OF STOCKWORK MINERALIZATION WAS INTERSECTED, THE HOLE WAS TERMINATED AFTER DRILLING PAST THE MINERALIZED ZONE AND 9m INTO THE FOOTWALL FAULT.
UTM COORDINATES: NORTHING 6708662.69 EASTING 419932.39
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-58.50	165.59	0.00	9.90	9.90		DB											
15.24	-58.50	165.59	9.90	26.40	16.50		AGD											
67.06	-60.00	169.59	26.40	29.03	2.63		MQV											
128.02	-60.00	174.59	29.03	76.00	46.97		AGD											
			76.00	76.85	0.85		MQV											
			76.85	116.60	39.75		AGD											
			116.60	120.50	3.90		MQEX											
			120.50	123.10	2.60		AGD											
			123.10	132.59	9.49		SAGD											
ASSAYS AND ANALYSES																		
			15.00	16.00	1.00		AGD	50058			0.52	0.02						
			16.00	17.00	1.00		AGD	50059			0.82	0.12						
			17.00	18.00	1.00		AGD	50060			0.32	0.03						
			18.00	19.00	1.00		AGD	50061			0.33	0.02						
			19.00	20.00	1.00		AGD	50062			0.39	0.02						
			20.00	21.00	1.00		AGD	50063			0.69	0.08						
			21.00	22.00	1.00		AGD	50064			1.01	0.08						
			22.00	23.00	1.00		AGD	50065			0.33	0.06						
			23.00	24.00	1.00		AGD	50066			1.90	0.24						
			24.00	25.00	1.00		AGD	50067			1.69	0.10						
			25.00	26.00	1.00		AGD	50068			3.60	0.56						
			26.00	27.00	1.00		MQV	50069			3.29	3.84						
			27.00	28.00	1.00		MQV	50070			17.20	10.68						
			28.00	29.00	1.00		MQV	50071			9.43	2.35						
			29.00	30.00	1.00		AGD	50072			1.10	0.20						
			30.00	31.00	1.00		AGD	50073			0.96	0.18						
			31.00	32.00	1.00		AGD	50074			0.92	0.11						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 55 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			32.00	33.00	1.00		AGD	50075			1.12	0.19					
			33.00	34.00	1.00		AGD	50076			1.03	0.22					
			34.00	35.00	1.00		AGD	50077			1.60	0.20					
			35.00	36.00	1.00		AGD	50078			1.80	0.14					
			36.00	37.00	1.00		AGD	50079			2.80	2.60					
			37.00	38.00	1.00		AGD	50080			1.12	0.15					
			38.00	39.00	1.00		AGD	50081			1.93	0.30					
			39.00	40.00	1.00		AGD	50082			0.70	0.10					
			40.00	41.00	1.00		AGD	50083			1.58	0.11					
			41.00	42.00	1.00		AGD	50084			1.90	0.08					
			42.00	43.00	1.00		AGD	50085			1.89	0.17					
			43.00	44.00	1.00		AGD	50086			2.90	0.22					
			44.00	45.00	1.00		AGD	50087			0.35	0.02					
			45.00	46.00	1.00		AGD	50088			3.42	0.38					
			46.00	47.00	1.00		AGD	50089			1.59	0.15					
			47.00	48.00	1.00		AGD	50090			2.61	0.24					
			48.00	49.00	1.00		AGD	50091			0.81	0.11					
			49.00	50.00	1.00		AGD	50092			0.63	0.07					
			50.00	51.00	1.00		AGD	50093			0.65	0.06					
			51.00	52.00	1.00		AGD	50094			0.34	0.02					
			52.00	53.00	1.00		AGD	50095			1.71	0.16					
			53.00	54.00	1.00		AGD	50096			1.26	0.08					
			54.00	55.00	1.00		AGD	50097			2.10	0.20					
			55.00	56.00	1.00		AGD	50098			1.31	0.05					
			56.00	57.00	1.00		AGD	50099			0.98	0.05					
			57.00	58.00	1.00		AGD	50100			0.81	0.04					
			58.00	59.00	1.00		AGD	50101			0.54	0.05					
			59.00	60.00	1.00		AGD	50102			1.10	0.24					
			60.00	61.00	1.00		AGD	50103			1.15	0.14					
			61.00	62.00	1.00		AGD	50104			3.56	0.51					
			62.00	63.00	1.00		AGD	50105			0.73	0.05					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 55 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sr	Cu	Pb	As	Au oz/t
			63.00	64.00	1.00		AGD	50106			0.69	0.07					
			64.00	65.00	1.00		AGD	50107			1.05	0.10					
			65.00	66.00	1.00		AGD	50108			0.76	0.09					
			66.00	67.00	1.00		AGD	50109			0.69	0.09					
			67.00	68.00	1.00		AGD	50110			1.67	0.22					
			68.00	69.00	1.00		AGD	50111			1.60	0.08					
			69.00	70.00	1.00		AGD	50112			1.06	0.09					
			70.00	71.00	1.00		AGD	50113			2.07	0.23					
			71.00	72.00	1.00		AGD	50114			1.20	0.29					
			72.00	73.00	1.00		AGD	50115			1.75	0.50					
			73.00	74.00	1.00		AGD	50116			0.72	0.14					
			74.00	75.00	1.00		AGD	50117			1.32	0.10					
			75.00	76.00	1.00		AGD	50118			1.15	0.10					
			76.00	77.00	1.00		MGV	50119			4.00	1.11					
			77.00	78.00	1.00		AGD	50120			1.92	0.28					
			78.00	79.00	1.00		AGD	50121			1.28	0.12					
			79.00	80.00	1.00		AGD	50122			1.28	0.21					
			80.00	82.00	2.00		AGD	50123			1.53	0.23					
			82.00	83.00	1.00		AGD	50125			0.64	0.10					
			83.00	84.00	1.00		AGD	50126			0.40	0.06					
			84.00	85.00	1.00		AGD	50127			0.66	0.09					
			85.00	86.00	1.00		AGD	50128			1.10	0.07					
			86.00	87.00	1.00		AGD	50129			1.52	0.31					
			87.00	88.00	1.00		AGD	50130			1.12	0.14					
			88.00	89.00	1.00		AGD	50131			0.20	0.02					
			89.00	90.00	1.00		AGD	50132			0.58	0.02					
			90.00	91.00	1.00		AGD	50133			0.78	0.05					
			91.00	92.00	1.00		AGD	50134			0.60	0.02					
			92.00	93.00	1.00		AGD	50135			0.80	0.22					
			93.00	94.00	1.00		AGD	50136			1.61	0.40					
			94.00	95.00	1.00		AGD	50137			0.08	0.02					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 55 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA				GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sr	Cu	Ph	As	Au oz/t
			95.00	96.00	1.00		AGD	50138			0.01	0.02					
			96.00	97.00	1.00		AGD	50139			0.02	< 0.02					
			97.00	98.00	1.00		AGD	50140			0.08	0.02					
			98.00	99.00	1.00		AGD	50141			0.10	< 0.02					
			99.00	100.00	1.00		AGD	50142			0.32	0.02					
			100.00	101.00	1.00		AGD	50143			0.04	< 0.02					
			101.00	102.00	1.00		AGD	50144			0.04	0.02					
			102.00	103.00	1.00		AGD	50145			0.08	< 0.02					
			103.00	104.00	1.00		AGD	50146			0.28	0.75					
			104.00	105.00	1.00		AGD	50147			0.82	0.15					
			105.00	106.00	1.00		AGD	50148			1.05	0.02					
			106.00	107.00	1.00		AGD	50149			0.38	0.02					
			107.00	108.00	1.00		AGD	50150			0.28	0.07					
			108.00	109.00	1.00		AGD	50151			0.18	< 0.02					
			109.00	111.00	2.00		AGD	50152			0.09	0.02					
			111.00	113.00	2.00		AGD	50153			0.01	< 0.02					
			113.00	115.00	2.00		AGD	50154			0.01	0.02					
			115.00	117.00	2.00		AGD	50155			0.02	< 0.02					
			117.00	119.00	2.00		MOBX	50156			0.16	0.02					
			119.00	121.00	2.00		MOBX	50157			0.32	0.05					
			121.00	123.00	2.00		AGD	50158			0.22	0.02					
			123.00	125.00	2.00		SAGD	50159			0.27	0.02					
							AVERAGES										
			23.00	40.00	17.00						3.07	1.30					
			23.00	30.00	7.00						5.46	2.57					
			24.00	29.00	5.00						7.04	3.51					

PROPERTY LOGAN D.D.H. 87 -L- 56 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 217.02m
 CLAIM: LOGAN 5 NORTHING: 284.44 DATE STARTED: AUGUST 29D 1987
 SECTION: 680 E EASTING: 684.75 DATE FINISHED: AUGUST 2N 1987
 CORE SIZE: NQ ELEVATION: 1372.7 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 83 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL DONKERSLOOT
 COMMENTS: HOLE L-56 WAS DRILLED TO TEST FOR A DOWNDIP AND NORTHWARD EXTENSION OF A MINERALIZED ZONE INTERSECTED IN HOLE L-44. APPROXIMATELY 124m (87-211m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND DRILLING 7m OF BARREN CORE.
 UTM COORDINATES: NORTHING 6708743.6 EASTING 419946.8
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
			VALUES BELOW IN PPM UNLESS NOTED														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.59°	0.00	12.19	12.19		OB										
17.37	-60.30°	169.59°	12.19	20.52	8.33		SAGD										
84.43	-61.00°	170.59°	20.52	22.25	1.73		FGD										
148.44	-62.00°	179.59°	22.25	37.20	14.95		AGD										
212.45	-61.50°	180.59°	37.20	38.30	1.10		FGD										
			38.30	56.50	18.20		AGD										
			56.50	57.10	0.60		GM										
			57.10	62.68	5.58		FGD										
			62.68	64.70	2.02		AGD										
			64.70	70.70	6.00		SCH										
			70.70	84.35	13.65		AGD										
			84.35	85.15	0.80		SCH										
			85.15	91.00	5.85		AGD										
			91.00	93.20	2.20		MQBX										
			93.20	100.90	7.70		AGD										
			100.90	101.75	0.85		MQV										
			101.75	121.70	19.95		AGD										
			121.70	132.80	11.10		FGD										
			132.80	134.35	1.55		AGD										
			134.35	136.70	2.35		FGD										
			136.70	195.50	58.80		AGD										
			195.50	211.00	15.50		FD										
			211.00	215.00	4.00		GM										
			215.00	216.25	1.25		SCH										
			216.25	217.02	0.77		GM										
ASSAYS AND ANALYSES																	
			85.00	86.00	1.00		AGD	50160			0.24	< 0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 56 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			86.00	87.00	1.00		AGD	50161			0.03	< 0.02					
			87.00	88.00	1.00		AGD	50162			0.15	0.02					
			88.00	89.00	1.00		AGD	50163			0.36	0.02					
			89.00	90.00	1.00		AGD	50164			0.21	0.05					
			90.00	91.00	1.00		AGD	50165			0.46	0.02					
			91.00	92.00	1.00		MQBX	50166			0.89	0.56					
			92.00	93.00	1.00		MQBX	50167			0.51	0.32					
			93.00	94.00	1.00		AGD	50168			1.60	0.21					
			94.00	95.00	1.00		AGD	50169			1.11	0.10					
			95.00	96.00	1.00		AGD	50170			0.85	0.04					
			96.00	97.00	1.00		AGD	50171			0.48	0.06					
			97.00	98.00	1.00		AGD	50172			0.83	0.11					
			98.00	99.00	1.00		AGD	50173			1.90	0.14					
			99.00	100.00	1.00		AGD	50174			1.81	0.14					
			100.00	101.00	1.00		AGD	50175			1.38	0.14					
			101.00	102.00	1.00		MQV	50176			7.40	1.85					
			102.00	103.00	1.00		AGD	50177			2.52	0.20					
			103.00	104.00	1.00		AGD	50178			1.18	0.14					
			104.00	105.00	1.00		AGD	50179			0.24	0.02					
			105.00	106.00	1.00		AGD	50180			0.68	0.04					
			106.00	107.00	1.00		AGD	50181			1.84	0.07					
			107.00	109.00	2.00		AGD	50182			1.45	0.09					
			109.00	111.00	2.00		AGD	50183			1.29	0.11					
			111.00	113.00	2.00		AGD	50184			0.54	0.03					
			113.00	115.00	2.00		AGD	50185			0.49	0.05					
			115.00	117.00	2.00		AGD	50186			1.23	0.14					
			117.00	119.00	2.00		AGD	50187			1.82	0.12					
			119.00	121.00	2.00		AGD	50188			1.90	0.23					
			121.00	123.00	2.00		FGD	50189			1.18	0.45					
			123.00	125.00	2.00		FGD	50190			0.74	0.23					
			125.00	127.00	2.00		FGD	50191			0.93	0.21					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 87 - 56 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	VALUES BELOW IN PPM UNLESS NOTED					Au oz/t
													Sn	Cu	Pb	As		
			179.00	181.00	2.00		AGD	50223			0.80	< 0.02						
			181.00	183.00	2.00		AGD	50224			1.04	< 0.02						
			183.00	185.00	2.00		AGD	50225			0.66	< 0.02						
			185.00	187.00	2.00		AGD	50226			0.48	0.04						
			187.00	189.00	2.00		AGD	50227			0.58	< 0.02						
			189.00	191.00	2.00		AGD	50228			0.76	0.02						
			191.00	193.00	2.00		AGD	50229			1.92	0.17						
			193.00	195.00	2.00		AGD	50230			1.20	0.02						
			195.00	197.00	2.00		FD	50231			1.40	0.05						
			197.00	199.00	2.00		FD	50232			0.88	0.07						
			199.00	201.00	2.00		FD	50233			1.30	0.09						
			201.00	203.00	2.00		FD	50234			1.02	0.06						
			203.00	205.00	2.00		FD	50235			1.06	< 0.02						
			205.00	207.00	2.00		FD	50236			0.34	0.08						
			207.00	209.00	2.00		FD	50237			0.23	< 0.02						
			209.00	211.00	2.00		FD	50238			0.42	0.02						
			211.00	213.00	2.00		SAGD	50239			0.65	0.02						

PROPERTY LOGAN D.D.H. 87 -L- 57 PAGE 1 OF 3
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180.59 ° DEPTH: 142.95m
 CLAIM: LOGAN 5 NORTHING: 230.58 DATE STARTED: SEPTEMBER 5N 1987
 SECTION: 730 E EASTING: 733.56 DATE FINISHED: SEPTEMBER 9D 1987
 CORE SIZE: NQ ELEVATION: 1376.74 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 69 % CORE STORED AT: LOGAN PROP. LOGGED BY: PALLI DONKERSLOOT
 COMMENTS: HOLE L-57 WAS DRILLED TO TEST FOR EAST-WEST CONTINUITY OF MINERALIZATION INTERSECTED IN SECTIONS 690E AND 790E. APPROXIMATELY 85m (44-129m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND SUBSEQUENTLY DRILLING 10m OF BARREN CORE.
 UTM COORDINATES: NORTHING 6708725.15 EASTING 420018.74
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-61.50°	177.59°	0.00	4.57	4.57		OB											
11.28	-61.50°	177.59°	4.57	35.60	31.03		AGD											
74.37	-62.00°	177.59°	35.60	37.70	2.10		SAGD											
138.38	-62.00°	173.59°	37.70	42.35	4.65		AGD											
			42.35	44.60	2.25		SAGD											
			44.60	80.85	36.25		AGD											
			80.85	82.00	1.15		MGV											
			82.00	85.00	3.00		FD											
			85.00	86.00	1.00		AGD											
			86.00	87.20	1.20		MGV											
			87.20	100.60	13.40		AGD											
			100.60	115.60	15.00		FD											
			115.60	116.60	1.00		MOBX											
			116.60	117.65	1.05		DIBX											
			117.65	119.50	1.85		MOBX											
			119.50	126.55	7.05		FD											
			126.55	128.90	2.35		AGD											
			128.90	134.75	5.85		GM											
			134.75	142.95	8.20		AGD											
ASSAYS AND ANALYSES																		
			42.00	44.00	2.00		SAGD	50240			0.36	0.02						
			44.00	46.00	2.00		AGD	50241			1.39	0.13						
			46.00	48.00	2.00		AGD	50242			0.19	0.02						
			48.00	50.00	2.00		AGD	50243			0.14	0.05						
			50.00	52.00	2.00		AGD	50244			0.36	0.02						
			52.00	54.00	2.00		AGD	50245			1.81	0.07						
			54.00	56.00	2.00		AGD	50246			0.28	0.02						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 87 - 57 PAGE 2 OF 3

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			56.00	58.00	2.00		AGD	50247			0.55	0.08					
			58.00	60.00	2.00		AGD	50248			0.38	0.02					
			60.00	62.00	2.00		AGD	50249			0.24	0.21					
			62.00	64.00	2.00		AGD	50250			0.26	0.16					
			64.00	66.00	2.00		AGD	50251			0.31	0.33					
			66.00	67.00	1.00		AGD	50252			0.32	0.16					
			67.00	68.00	1.00		AGD	50253			0.34	0.02					
			68.00	69.00	1.00		AGD	50254			2.60	0.14					
			69.00	70.00	1.00		AGD	50255			0.72	0.06					
			70.00	71.00	1.00		AGD	50256			0.83	0.04					
			71.00	73.00	2.00		AGD	50257			0.80	2.09					
			73.00	74.00	1.00		AGD	50258			1.34	0.21					
			74.00	75.00	1.00		AGD	50259			0.60	0.05					
			75.00	76.00	1.00		AGD	50260			0.22	0.02					
			76.00	77.00	1.00		AGD	50261			0.60	0.03					
			77.00	78.00	1.00		AGD	50262			0.35	0.04					
			78.00	79.00	1.00		AGD	50263			0.18	0.02					
			79.00	80.00	1.00		AGD	50264			2.80	0.28					
			80.00	81.00	1.00		AGD	50265			3.78	0.57					
			81.00	82.00	1.00		MQV	50266			1.73	0.38					
			82.00	83.00	1.00		FD	50267			4.80	0.54					
			83.00	84.00	1.00		FD	50268			2.29	0.16					
			84.00	85.00	1.00		FD	50269			1.69	0.12					
			85.00	86.00	1.00		AGD	50270			1.61	0.11					
			86.00	87.00	1.00		MQV	50271			2.80	1.30					
			87.00	88.00	1.00		AGD	50272			2.70	0.82					
			88.00	90.00	2.00		AGD	50273			0.85	0.12					
			90.00	91.00	1.00		AGD	50274			0.14	0.04					
			91.00	93.00	2.00		AGD	50275			0.08	0.47					
			93.00	94.00	1.00		AGD	50276			0.23	0.14					
			94.00	95.00	1.00		AGD	50277			0.68	0.07					
								CONTINUED									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 57 PAGE 3 OF 3

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	VALUES BELOW IN PPM UNLESS NOTED				Au oz/t
													Sn	Cu	Pb	As	
			95.00	97.00	2.00		AGD	50278			0.37	0.07					
			97.00	99.00	2.00		AGD	50279			1.10	0.14					
			99.00	100.00	1.00		AGD	50280			1.03	0.06					
			100.00	101.00	1.00		AGD	50281			3.90	0.60					
			101.00	102.00	1.00		FD	50282			1.48	0.14					
			102.00	103.00	1.00		FD	50283			1.06	0.08					
			103.00	104.00	1.00		FD	50284			1.15	1.11					
			104.00	105.00	1.00		FD	50285			1.16	0.07					
			105.00	106.00	1.00		FD	50286			2.55	0.29					
			106.00	107.00	1.00		FD	50287			0.40	0.05					
			107.00	108.00	1.00		FD	50288			1.10	0.19					
			108.00	109.00	1.00		FD	50289			0.20	0.04					
			109.00	110.00	1.00		FD	50290			0.13	0.05					
			110.00	111.00	1.00		FD	50291			0.72	0.73					
			111.00	112.00	1.00		FD	50292			2.20	0.27					
			112.00	114.00	2.00		FD	50293			1.33	1.04					
			114.00	115.00	1.00		FD	50294			0.10	0.12					
			115.00	116.00	1.00		MQBX	50295			0.05	0.27					
			116.00	117.00	1.00		MQBX	50296			0.14	0.16					
			117.00	118.00	1.00		MABX	50297			1.14	0.49					
			118.00	119.00	1.00		MQBX	50298			0.66	0.14					
			119.00	120.00	1.00		FD	50299			0.24	0.02					
			120.00	122.00	2.00		FD	50300			1.54	0.02					
			122.00	123.00	1.00		FD	50301			1.04	0.02					
			123.00	125.00	2.00		FD	50302			1.32	< 0.02					
			125.00	127.00	2.00		FD	50303			4.15	0.02					
			127.00	129.00	2.00		AGD	50304			0.80	< 0.02					
			129.00	131.00	2.00		SAGD	50305			0.26	0.02					
			131.00	133.00	2.00		SAGD	50306			0.28	0.02					
			133.00	135.00	2.00		SAGD	50307			0.14	0.04					
			135.00	137.00	2.00		AGD	50308			0.20	0.05					
			137.00	138.00	1.00		AGD	50309			0.05	0.02					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 58 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED		
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			102.00	104.00	2.00		FGD	50376			0.69	0.06						
			104.00	106.00	2.00		FGD	50377			0.43	0.02						
			106.00	108.00	2.00		AGD	50378			0.49	0.02						
			108.00	110.00	2.00		AGD	50379			0.38	0.04						
			110.00	112.00	2.00		AGD	50380			0.46	0.02						
			112.00	114.00	2.00		FGD	50381			0.48	< 0.02						
			114.00	116.00	2.00		FGD	50382			0.32	0.02						
			116.00	118.00	2.00		AGD	50383			0.48	0.02						
			118.00	120.00	2.00		AGD	50384			1.46	0.16						
			120.00	122.00	2.00		AGD	50385			0.25	0.02						
			122.00	124.00	2.00		AGD	50386			0.19	< 0.02						
			124.00	126.00	2.00		AGD	50387			0.32	0.04						
			126.00	127.00	1.00		AGD	50388			0.70	1.16						
			127.00	128.00	1.00		AGD	50389			0.64	0.07						
			128.00	129.00	1.00		AGD	50390			0.64	0.03						
			129.00	130.00	1.00		AGD	50391			0.88	0.12						
			130.00	131.00	1.00		AGD	50392			0.70	0.04						
			131.00	132.00	1.00		AGD	50393			0.85	0.06						
			132.00	133.00	1.00		AGD	50394			1.40	0.04						
			133.00	134.00	1.00		AGD	50395			0.67	0.04						
			134.00	135.00	1.00		AGD	50396			0.57	0.04						
			135.00	136.00	1.00		AGD	50397			1.64	0.13						
			136.00	137.00	1.00		FD	50398			6.41	0.66						
			137.00	138.00	1.00		FD	50399			2.91	0.17						
			138.00	139.00	1.00		AGD	50400			3.06	0.22						
			139.00	140.00	1.00		AGD	50401			0.70	0.31						
			140.00	141.00	1.00		AGD	50402			1.34	0.40						
			141.00	142.00	1.00		AGD	50403			1.43	0.17						
			142.00	143.00	1.00		AGD	50404			3.20	0.93						
			143.00	144.00	1.00		AGD	50405			1.56	0.28						
			144.00	145.00	1.00		AGD	50406			0.69	0.04						

CONTINUED

PROPERTY LOGAN D.D.H. L 87 - 58 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			145.00	146.00	1.00		AGD	50407			0.96	0.04					
			146.00	147.00	1.00		AGD	50408			0.29	< 0.02					
			147.00	148.00	1.00		AGD	50409			0.47	0.02					
			148.00	149.00	1.00		AGD	50410			1.82	0.24					
			149.00	150.00	1.00		AGD	50411			0.80	0.03					
			150.00	151.00	1.00		AGD	50412			0.45	0.02					
			151.00	152.00	1.00		AGD	50413			0.32	0.03					
			152.00	153.00	1.00		AGD	50414			0.23	0.02					
			153.00	154.00	1.00		AGD	50415			0.22	0.03					
			154.00	155.00	1.00		AGD	50416			0.28	0.02					
			155.00	157.00	2.00		AGD	50417			0.56	0.10					
			157.00	159.00	2.00		AGD	50418			0.28	0.03					
			159.00	161.00	2.00		AGD	50419			0.66	< 0.02					
			161.00	163.00	2.00		AGD	50420			0.35	0.03					
			163.00	165.00	2.00		AGD	50421			0.52	0.23					
			165.00	167.00	2.00		AGD	50422			0.81	0.02					
			167.00	169.00	2.00		AGD	50423			0.84	0.06					
			169.00	171.00	2.00		AGD	50424			0.89	0.05					
			171.00	173.00	2.00		FD	50425			1.58	0.20					
			173.00	175.00	2.00		FD	50426			0.57	0.04					
			175.00	177.00	2.00		FD	50427			0.14	< 0.02					
			177.00	179.00	2.00		FD	50428			0.20	0.05					
			179.00	181.00	2.00		FD	50429			0.22	0.03					
			181.00	182.00	1.00		FD	50430			0.13	< 0.02					
			182.00	183.00	1.00		MQBX	50431			0.31	0.03					
			183.00	184.00	1.00		MQBX	50432			0.38	< 0.02					
			184.00	186.00	2.00		FD	50433			0.05	< 0.02					
			186.00	188.00	2.00		FD	50434			0.17	< 0.02					
			188.00	190.00	2.00		SAGD	50435			0.12	< 0.02					
			190.00	192.00	2.00		SAGD	50436			0.08	< 0.02					
			192.00	194.00	2.00		SAGD	50437			0.37	< 0.02					
								CONTINUED									

PROPERTY LOGAN D.D.H. 87 -L- 59 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: -60° AZIMUTH (t): 173.59° DEPTH: 130.15m
 CLAIM: LOGAN NORTHING: 231.04 DATE STARTED: SEPTEMBER 11N 1987
 SECTION: 830 E EASTING: 833.27 DATE FINISHED: SEPTEMBER 13N 1987
 CORE SIZE: NQ ELEVATION: 1372.47 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 65 % CORE STORED AT: LOGAN PROP. LOGGED BY: FALL DONKERSLOOT
 COMMENTS: HOLE L-59 WAS DRILLED TO TEST FOR AN EASTWARD EXTENSION OF A MINERALIZED ZONE INTERSECTED IN SECTION 780E, APPROXIMATELY 71m (39-110m) OF STOCKWORK MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING THROUGH THE FOOTWALL FAULT AND SUBSEQUENTLY DRILLING 19m OF SPARSELY MINERALIZED CORE.
 UTM COORDINATES: NORTHING 6708781.51 EASTING 420100.94
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sr	Cu	Pb	As	Au oz/t
0.00	-60.00°	173.59	0.00	12.80	12.80		OB										
21.95	-60.00°	173.59	12.80	19.45	6.65		AGD										
73.76	-60.00°	177.59	19.45	23.70	4.25		SCH										
125.58	-60.00°	172.59	23.70	27.60	3.90		AGD										
			27.60	30.50	2.90		FD										
			30.50	38.40	7.90		AGD										
			38.40	39.95	1.55		FD										
			39.95	86.25	46.30		AGD										
			86.25	87.55	1.30		MGV										
			87.55	88.50	0.95		AGD										
			88.50	91.00	2.50		FD										
			91.00	100.00	9.00		AGD										
			100.00	102.00	2.00		FD										
			102.00	111.25	9.25		AGD										
			111.25	116.15	4.90		GM										
			116.15	130.15	14.00		AGD										
ASSAYS AND ANALYSES																	
			35.00	36.00	1.00		AGD	50442			0.02	< 0.02					
			36.00	37.00	1.00		AGD	50443			0.02	< 0.02					
			37.00	39.00	2.00		AGD	50444			0.20	0.06					
			39.00	40.00	1.00		FD	50445			0.34	0.05					
			40.00	41.00	1.00		AGD	50446			1.10	0.10					
			41.00	42.00	1.00		AGD	50447			0.60	0.02					
			42.00	43.00	1.00		AGD	50448			0.38	0.02					
			43.00	44.00	1.00		AGD	50449			0.83	0.09					
			44.00	45.00	1.00		AGD	50450			0.36	0.06					
			45.00	46.00	1.00		AGD	50451			0.29	0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 87 - 59 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t
			46.00	47.00	1.00		AGD	50452			1.46	0.13					
			47.00	48.00	1.00		AGD	50453			0.62	0.09					
			48.00	49.00	1.00		AGD	50454			2.68	0.08					
			49.00	50.00	1.00		AGD	50455			0.77	0.03					
			50.00	51.00	1.00		AGD	50456			0.99	0.04					
			51.00	53.00	2.00		AGD	50457			0.41	< 0.02					
			53.00	55.00	2.00		AGD	50458			0.52	0.02					
			55.00	57.00	2.00		AGD	50459			0.18	< 0.02					
			57.00	59.00	2.00		AGD	50460			0.58	0.03					
			59.00	61.00	2.00		AGD	50461			0.51	0.02					
			61.00	63.00	2.00		AGD	50462			0.38	0.04					
			63.00	65.00	2.00		AGD	50463			0.33	0.05					
			65.00	67.00	2.00		AGD	50464			0.20	0.02					
			67.00	68.00	1.00		AGD	50465			0.18	0.02					
			68.00	69.00	1.00		AGD	50466			2.15	0.51					
			69.00	70.00	1.00		AGD	50467			1.65	0.91					
			70.00	71.00	1.00		AGD	50468			0.63	0.05					
			71.00	72.00	1.00		AGD	50469			2.80	0.27					
			72.00	73.00	1.00		AGD	50470			1.49	0.09					
			73.00	74.00	1.00		AGD	50471			3.82	0.97					
			74.00	75.00	1.00		AGD	50472			2.20	0.17					
			75.00	76.00	1.00		AGD	50473			2.49	0.78					
			76.00	77.00	1.00		AGD	50474			0.65	0.04					
			77.00	78.00	1.00		AGD	50475			0.48	0.02					
			78.00	79.00	1.00		AGD	50476			3.00	0.13					
			79.00	80.00	1.00		AGD	50477			2.10	0.14					
			80.00	81.00	1.00		AGD	50478			1.22	0.09					
			81.00	82.00	1.00		AGD	50479			1.91	0.10					
			82.00	83.00	1.00		AGD	50480			3.70	0.42					
			83.00	84.00	1.00		AGD	50481			2.82	0.30					
			84.00	85.00	1.00		AGD	50482			✓13.12	0.44					
								CONTINUED									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 87 - 59 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			85.00	86.00	1.00	↗	AGD	50483			10.10	0.85	↗				
			86.00	87.00	1.00	4.0	MGV	50484		1.15	13.58	2.19	1.20				
			87.00	88.00	1.00		MGV	50485			7.70	1.32					
			88.00	89.00	1.00		FD	50486			3.81	0.17					
			89.00	91.00	2.00		FD	50487			3.18	0.13					
			91.00	92.00	1.00		AGD	50488			0.68	0.04					
			92.00	93.00	1.00		AGD	50489			0.61	0.03					
			93.00	94.00	1.00		AGD	50490			0.60	0.04					
			94.00	95.00	1.00		AGD	50491			0.45	0.02					
			95.00	96.00	1.00		AGD	50492			0.94	0.07					
			96.00	97.00	1.00		AGD	50493			1.29	0.12					
			97.00	98.00	1.00		AGD	50494			1.66	0.13					
			98.00	99.00	1.00		AGD	50495			1.38	0.07					
			99.00	100.00	1.00		AGD	50496			1.35	0.09					
			100.00	101.00	1.00		FD	50497			1.68	0.13					
			101.00	102.00	1.00		FD	50498			2.67	0.19					
			102.00	103.00	1.00		AGD	50499			3.50	0.68					
			103.00	104.00	1.00		AGD	50500			1.40	0.18					
			104.00	105.00	1.00		AGD	50501			0.48	0.05					
			105.00	106.00	1.00		AGD	50502			0.40	< 0.02					
			106.00	108.00	2.00		AGD	50503			0.96	< 0.02					
			108.00	110.00	2.00		AGD	50504			0.14	0.04					
			110.00	112.00	2.00		SAGD	50505			0.29	0.02					
			112.00	114.00	2.00		SAGD	50506			0.55	< 0.02					
			114.00	116.00	2.00		SAGD	50507			0.18	< 0.02					
			116.00	118.00	2.00		AGD	50508			0.26	0.02					
			118.00	120.00	2.00		AGD	50509			0.11	< 0.02					
			120.00	122.00	2.00		AGD	50510			0.15	0.02					
								AVERAGES									
								CONTINUED									

PROPERTY _____ LOGAN _____ D.D.H. L 87 - 59 _____ PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			70.00	104.00	34.00						3.01	0.31					
			78.00	92.00	14.00						5.01	0.46					
			82.00	89.00	7.00						7.83	0.81					
			84.00	88.00	4.00						11.13	1.20					

PROPERTY LOGAN D.D.H. 88 -L- 60 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (t): 180 ° DEPTH: 151.18m
 CLAIM: LOGAN 10 NORTHING: 99.6 DATE STARTED: JUNE 4D 1988
 SECTION: 510 W EASTING: -511.28 DATE FINISHED: JUNE 8N 1988
 CORE SIZE: NQ ELEVATION: 1380.05 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 77 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEW HARRIS
 COMMENTS: HOLE L-60 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF A WEAKLY MINERALIZED ZONE THAT WAS FOUND IN HOLE L-29. APPROXIMATELY 32m OF WEAKLY MINERALIZED (PYRITE) CORE WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING PAST THE TARGET DEPTH WITHOUT ENCOUNTERING ANY ZINC MINERALIZATION.
 UTM COORDINATES: NORTHING 6707917.98 EASTING 419062.87
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
0.00	-60.00°	180.00°	0.00	16.76	16.76		DB												
76.03	-59.50°	180.59°	16.76	30.48	13.72		AGD												
145.08	-60.00°	179.59°	30.48	33.53	3.05		SCH												
			33.53	35.05	1.52		AGD												
			35.05	35.63	0.58		SAGD												
			35.63	36.52	0.89		SCH												
			36.52	38.68	2.16		SAGD												
			38.68	58.52	19.84		AGD												
			58.52	63.09	4.57		SAGD												
			63.09	65.28	2.19		AGD												
			65.28	66.40	1.12		FD												
			66.40	69.43	3.03		AGD												
			69.43	78.63	9.20		FD												
			78.63	151.18	72.55		AGD												
ASSAYS AND ANALYSES																			
			56.00	58.00	2.00		AGD	72501			0.01	< 0.02							
			58.00	60.00	2.00		SAGD	72502			0.06	< 0.02							
			60.00	62.00	2.00		AGD	72503			0.01	< 0.02							
			62.00	64.00	2.00		AGD	72504			0.04	0.02							
			64.00	66.00	2.00		AGD	72505			0.07	0.02							
			66.00	68.00	2.00		AGD	72506			0.38	0.03							
			68.00	70.00	2.00		AGD	72507			0.40	0.07							
			70.00	72.00	2.00		FD	72508			0.05	< 0.02							
			72.00	74.00	2.00		FD	72509			0.01	0.02							
			74.00	76.00	2.00		FD	72510			0.12	< 0.02							
			76.00	78.00	2.00		FD	72511			0.03	< 0.02							
			78.00	80.00	2.00		AGD	72512			1.12	0.02							
CONTINUED																			

PROPERTY LOGAN D.D.H. L 88 - 60 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD									VALUES BELOW IN PPM UNLESS NOTED					
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			80.00	82.00	2.00		AGD	72513			0.80	0.03					
			82.00	84.00	2.00		AGD	72514			0.68	0.07					
			84.00	86.00	2.00		AGD	72515			0.28	0.02					
			86.00	88.00	2.00		AGD	72516			0.03	< 0.02					
			88.00	90.00	2.00		AGD	72517			0.07	< 0.02					
			90.00	92.00	2.00		AGD	72518			0.06	< 0.02					
			92.00	94.00	2.00		AGD	72519			0.17	< 0.02					
			94.00	96.00	2.00		AGD	72520			0.08	0.02					
			96.00	98.00	2.00		AGD	72521			0.04	< 0.02					

CORLETTAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 88 -L- 61 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -60° AZIMUTH (I): 180° DEPTH: 113.08m

CLAIM: LOGAN 10 NORTHING: 76.71 DATE STARTED: JUNE 5D 1988

SECTION: 600 W EASTING: -598.59 DATE FINISHED: JUNE 8D 1988

CORE SIZE: NQ ELEVATION: 1378.06 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 68 % CORE STORED AT: LOGAN PROP. LOGGED BY: FALL CONROY

COMMENTS: HOLE L-61 WAS DRILLED TO TEST FOR DOWNDIP AND NORTHWARD EXTENSION OF A WEAKLY MINERALIZED ZONE FOUND IN HOLE L-30. APPROXIMATELY 31m OF WEAKLY MINERALIZED (PYRITE) CORE WAS INTERSECTED. THE HOLE WAS ABANDONED WHEN THE DRILL RODS BROKE OFF, LEAVING 90m OF STEEL DOWN THE HOLE.

UTM COORDINATES: NORTHING 6707850.03 EASTING 419003.52

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
0.00	-60.00°	180.00°	0.00	9.14	9.14		OB												
			9.14	9.33	0.19		AGD												
			9.33	10.16	0.83		SCH												
			10.16	20.69	10.53		AGD												
			20.69	28.53	7.84		SAGD												
			28.53	36.12	7.59		SCH												
			36.12	38.00	1.88		AGD												
			38.00	42.92	4.92		SCH												
			42.92	55.32	12.40		AGD												
			55.32	58.93	3.61		SAGD												
			58.93	59.88	0.95		AFD												
			59.88	64.31	4.43		FD												
			64.31	65.23	0.92		AGD												
			65.23	67.52	2.29		SAGD												
			67.52	79.61	12.09		AGD												
			79.61	101.80	22.19		GM												
			101.80	107.45	5.65		FD												
			107.45	113.08	5.63		AGD												
ASSAYS AND ANALYSES																			
			57.00	59.00	2.00		SAGD	72522			0.01	0.03							
			59.00	61.00	2.00		AFD	72523			0.02	< 0.02							
			61.00	63.00	2.00		FD	72524			0.02	< 0.02							
			63.00	65.00	2.00		FD	72525			0.06	< 0.02							
			65.00	67.00	2.00		AGD	72526			0.05	< 0.02							
			67.00	69.00	2.00		AGD	72527			0.01	< 0.02							
			69.00	71.00	2.00		AGD	72528			< 0.01	< 0.02							
			71.00	73.00	2.00		AGD	72529			< 0.01	< 0.02							
CONTINUED																			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY _____	LOGAN	D.D.H. 88 -L- 62	PAGE 1 OF 2
AREA: MAIN ZONE	DIP: -40 °	AZIMUTH (I): 180 °	DEPTH: 180.44m
CLAIM: LOGAN 10	NORTHING: 64.44		DATE STARTED: JUNE 8D 1988
SECTION: 720 W	EASTING: -718.04		DATE FINISHED: JUNE 11D 1988
CORE SIZE: NQ	ELEVATION: 1383.56 m		CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
CORE RECOVERY: 93 %	CORE STORED AT: LOGAN PROP.		LOGGED BY: PAUL CONROY
COMMENTS: HOLE L-62 WAS DRILLED TO TEST FOR A WESTERLY EXTENSION OF MAIN ZONE DEPOSIT. APPROXIMATELY 43m OF POORLY MINERALIZED CORE WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING APPROXIMATELY 26m OF BARREN ROCK. MINERALIZATION IS LIMITED TO PYRITE.			
UTM COORDINATES: NORTHING 6707772.83 EASTING 418911.63			
NOTE: All azimuths are set relative to grid north - 324.41° TN			

SURVEY DATA			GEOLOGY AND ASSAY RECORD																				
Depth	Dip	Az (I)	VALUES BELOW IN PPM UNLESS NOTED																				
			From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t						
0.00	-60.00°	180.00°	0.00	12.19	12.19		OB																
100.58	-61.00°	180.00°	12.19	26.45	14.26		AGD																
176.78	-62.00°	183.00°	26.45	28.62	2.17		SCH																
			28.62	35.54	6.92		AGD																
			35.54	39.36	3.82		SCH																
			39.36	43.90	4.54		AGD																
			43.90	46.10	2.20		SCH																
			46.10	47.62	1.52		AGD																
			47.62	54.14	6.52		SCH																
			54.14	57.76	3.62		SAGD																
			57.76	64.00	6.24		AGD																
			64.00	86.76	22.76		FGD																
			86.76	95.21	8.45		AGD																
			95.21	97.48	2.27		FGD																
			97.48	108.81	11.33		AGD																
			108.81	109.56	0.75		SAGD																
			109.56	119.76	10.20		FQP																
			119.76	127.17	7.41		FGD																
			127.17	131.46	4.29		AGD																
			131.46	143.64	12.18		SAGD																
			143.64	154.32	10.68		AFD																
			154.32	180.44	26.12		AGD																
								ASSAYS AND ANALYSES															
			128.00	130.00	2.00		AGD	72549			< 0.01	< 0.02											
			130.00	132.00	2.00		AGD	72550			< 0.01	< 0.02											
			132.00	134.00	2.00		SAGD	72551			0.03	< 0.02											
			134.00	136.00	2.00		SAGD	72552			0.03	< 0.02											
								CONTINUED															

CORDILERA ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: LOGAN D.D.H. 88 -L- 63 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -60° AZIMUTH (t): 180° DEPTH: 156.67m

CLAIM: LOGAN 9 NORTHING: -8.25 DATE STARTED: JUNE 9N 1988

SECTION: B15 W EASTING: -813.93 DATE FINISHED: JUNE 11N 1988

CORE SIZE: NQ ELEVATION: 1375.43 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 86 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEW HARRIS

COMMENTS: HOLE L-63 WAS DRILLED TO TEST FOR A WESTERLY EXTENSION OF THE MAIN ZONE DEPOSIT. APPROXIMATELY 28m OF WEAKLY MINERALIZED CORE (PYRITE) WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING APPROXIMATELY 22m OF BARREN ROCK.

UTM COORDINATES: NORTHING 6707658.88 EASTING 418873.14

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00	0.00	6.40	6.40		OB										
12.80	-62.00°	178.50	6.40	68.88	62.48		AGD										
73.76	-62.50°	178.50	68.88	80.16	11.28		GD										
149.96	-63.50°	176.00	80.16	81.69	1.53		AGD										
			81.69	102.11	20.42		GD										
			102.11	102.21	0.10		GM										
			102.21	103.33	1.12		AFD										
			103.33	104.26	0.93		AGD										
			104.26	115.40	11.14		FQP										
			115.40	117.65	2.25		QV										
			117.65	127.36	9.71		GM										
			127.36	132.17	4.81		AFD										
			132.17	156.67	24.50		AGD										
ASSAYS AND ANALYSES																	
			100.00	102.00	2.00		GD	72575			< 0.01	0.02					
			102.00	104.00	2.00		AFD	72576			0.05	0.02					
			104.00	106.00	2.00		FQP	72577			< 0.01	0.02					
			106.00	108.00	2.00		FQP	72578			< 0.01	< 0.02					
			108.00	110.00	2.00		FQP	72579			< 0.01	< 0.02					
			110.00	112.00	2.00		FQP	72580			< 0.01	< 0.02					
			112.00	114.00	2.00		FQP	72581			< 0.01	< 0.02					
			114.00	116.00	2.00		FQP	72582			< 0.01	0.03					
			116.00	118.00	2.00		QV	72583			0.02	0.02					
			118.00	120.00	2.00		GM	72584			< 0.01	< 0.02					
			120.00	122.00	2.00		GM	72585			< 0.01	0.02					
			122.00	124.00	2.00		GM	72586			0.01	0.02					
			124.00	126.00	2.00		GM	72587			0.02	< 0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 63 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			126.00	128.00	2.00		GM	72588			< 0.01	< 0.02					
			128.00	130.00	2.00		FQP	72589			< 0.01	< 0.02					
			130.00	132.00	2.00		FQP	72590			0.02	0.03					
			132.00	134.00	2.00		AGD	72591			0.02	0.03					
			134.00	136.00	2.00		AGD	72592			0.02	0.02					
			136.00	138.00	2.00		AGD	72593			0.02	< 0.02					
			138.00	140.00	2.00		AGD	72594			0.01	0.02					
			140.00	142.00	2.00		AGD	72595			< 0.01	< 0.02					
			142.00	144.00	2.00		AGD	72596			< 0.01	< 0.02					
			144.00	146.00	2.00		AGD	72597			< 0.01	< 0.02					
			146.00	148.00	2.00		AGD	72598			< 0.01	< 0.02					
			148.00	150.00	2.00		AGD	72599			< 0.01	< 0.02					
			150.00	152.00	2.00		AGD	72600			< 0.01	< 0.02					
			152.00	154.00	2.00		AGD	72601			< 0.01	0.02					
			154.00	156.67	2.67		AGD	72602			< 0.01	< 0.02					

CORLIFFERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: LOGAN D.D.H. 88 -L- 64 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 167.34m
 CLAIM: LOGAN 11 NORTHING: -37.25 DATE STARTED: JUNE 11N 1988
 SECTION: 920 W EASTING: -920.27 DATE FINISHED: JUNE 14N 1988
 CORE SIZE: NQ ELEVATION: 1365.4 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 80 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-64 WAS DRILLED TO TEST FOR A WESTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. APPROXIMATELY 21m OF WEAK PYRITE MINERALIZATION WAS ENCOUNTERED,
A TOTAL OF 6.1m OF CASING WAS LEFT DOWN THE HOLE.
 UTM COORDINATES: NORTHING 6707575.20 EASTING 418801.49
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	6.10	6.10		DB											
24.08	-60.00°	180.00°	6.10	23.91	17.81		GD											
85.04	-61.00°	180.00°	23.91	40.36	16.45		FGD											
161.24	-62.00°	180.00°	40.36	44.81	4.45		GM											
			44.81	45.97	1.16		SAGD											
			45.97	49.32	3.35		FGD											
			49.32	55.72	6.40		GD											
			55.72	57.00	1.28		FGD											
			57.00	67.86	10.86		GD											
			67.86	79.46	11.60		FGD											
			79.46	82.42	2.96		GD											
			82.42	86.44	4.02		GM											
			86.44	110.88	24.44		AGD											
			110.88	115.79	4.91		GM											
			115.79	118.40	2.61		AGD											
			118.40	121.93	3.53		SAGD											
			121.93	130.63	8.70		AGD											
			130.63	133.00	2.37		GM											
			133.00	134.31	1.31		FDBX											
			134.31	139.98	5.67		AFD											
			139.98	155.45	15.47		GM											
			155.45	167.34	11.89		AGD											
ASSAYS AND ANALYSES																		
			81.00	83.00	2.00		GD	72603			0.01	< 0.02						
			130.00	132.00	2.00		GM	72604			< 0.01	0.02						
			132.00	134.00	2.00		FDBX	72605			0.02	0.02						
			134.00	136.00	2.00		AFD	72606			0.02	0.02						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 88 - 64 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			136.00	138.00	2.00		AFD	72607			0.02	< 0.02						
			138.00	140.00	2.00		AFD	72608			0.02	0.02						
			140.00	142.00	2.00		GM	72609			0.02	< 0.02						
			142.00	144.00	2.00		GM	72610			< 0.01	< 0.02						
			144.00	146.00	2.00		GM	72611			< 0.01	< 0.02						
			146.00	148.00	2.00		GM	72612			< 0.01	< 0.02						
			148.00	150.00	2.00		GM	72613			< 0.01	< 0.02						
			150.00	152.00	2.00		GM	72614			< 0.01	< 0.02						
			152.00	154.00	2.00		GM	72615			< 0.01	< 0.02						
			154.00	156.00	2.00		GM	72616			0.02	< 0.02						
			156.00	158.00	2.00		AGD	72617			< 0.01	0.02						
			158.00	160.00	2.00		AGD	72618			< 0.01	< 0.02						
			160.00	162.00	2.00		AGD	72619			< 0.01	< 0.02						
			162.00	164.00	2.00		AGD	72620			< 0.01	0.02						
			164.00	166.00	2.00		AGD	72621			< 0.01	< 0.02						
			166.00	167.34	1.34		AGD	72622			< 0.01	< 0.02						

PROPERTY LOGAN D.D.H. 88 -L- 65 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 172.51m
 CLAIM: LOGAN 11 NORTHING: -89.35 DATE STARTED: JUNE 12D 1988
 SECTION: 1020 W EASTING: -1020.38 DATE FINISHED: JUNE 14N 1988
 CORE SIZE: NO ELEVATION: 1351.93 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 87 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEW HARRIS
 COMMENTS: HOLE L-65 WAS DRILLED TO TEST THE WESTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. APPROXIMATELY 26m OF WEAKLY MINERALIZED (PYRITE) CORE WAS INTERSECTED.

UTM COORDINATES: NORTHING 6707475.91 EASTING 418747.95

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	6.40	6.40		DB										
23.16	-59.00°	180.00°	6.40	12.90	6.50		GD										
93.27	-60.00°	178.00°	12.90	26.21	13.31		AGD										
169.47	-60.00°	177.00°	26.21	34.94	8.73		SAGD										
			34.94	37.41	2.47		AGD										
			37.41	40.33	2.92		SAGD										
			40.33	53.17	12.84		AGD										
			53.17	59.00	5.83		GD										
			59.00	61.68	2.68		AGD										
			61.68	64.10	2.42		SAGD										
			64.10	65.53	1.43		AGD										
			65.53	69.88	4.35		SAGD										
			69.88	94.58	24.70		AGD										
			94.58	95.92	1.34		SCH										
			95.92	96.97	1.05		GD										
			96.97	102.72	5.75		AGD										
			102.72	112.47	9.75		SAGD										
			112.47	116.56	4.09		GD										
			116.56	119.59	3.03		AGD										
			119.59	136.45	16.86		GM										
			136.45	154.15	17.70		AGD										
			154.15	158.63	4.48		SAGD										
			158.63	162.29	3.66		AGD										
			162.29	163.84	1.55		SCH										
			163.84	172.40	8.56		AGD										
ASSAYS AND ANALYSES																	
			118.00	120.00	2.00		AGD	72623			< 0.01	0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 65 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			120.00	122.00	2.00		GM	72624			< 0.01	< 0.02					
			122.00	124.00	2.00		GM	72625			< 0.01	< 0.02					
			124.00	126.00	2.00		GM	72626			< 0.01	0.02					
			126.00	128.00	2.00		GM	72627			< 0.01	< 0.02					
			128.00	130.00	2.00		GM	72628			< 0.01	< 0.02					
			130.00	132.00	2.00		GM	72629			< 0.01	0.02					
			132.00	134.00	2.00		GM	72630			< 0.01	< 0.02					
			134.00	138.00	4.00		SAGD	72631			0.03	0.02					
			138.00	140.00	2.00		AGD	72632			0.03	< 0.02					
			140.00	142.00	2.00		AGD	72633			0.01	< 0.02					
			142.00	144.00	2.00		AGD	72634			< 0.01	< 0.02					
			144.00	146.00	2.00		AGD	72635			< 0.01	< 0.02					
			146.00	148.00	2.00		AGD	72636			< 0.01	< 0.02					

PROPERTY: LOGAN D.D.H. 88 -L- 66 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (t): 180 ° DEPTH: 146.61m
 CLAIM: LOGAN 11 NORTHING: -186.94 DATE STARTED: JUNE 14N 1988
 SECTION: 1125 W EASTING: -1123.71 DATE FINISHED: JUNE 18D 1988
 CORE SIZE: NO ELEVATION: 1330.06 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 83 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-66 WAS DRILLED TO TEST FOR A WESTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. APPROXIMATELY 21m OF WEAK PYRITE-ARSENOPYRITE MINERALIZATION WAS INTERSECTED.
 UTM COORDINATES: NORTHING 6707337.21 EASTING 418717.29
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	18.90	18.90		OB											
36.57	-60.00°	180.50°	18.90	20.02	1.12		GD											
89.30	-59.50°	181.50°	20.02	23.62	3.60		FGD											
141.12	-61.00°	181.50°	23.62	31.09	7.47		SAGD											
			31.09	42.83	11.74		FGD											
			42.83	44.22	1.39		AGD											
			44.22	54.50	10.28		FGD											
			54.50	57.12	2.62		AGD											
			57.12	66.11	8.99		GM											
			66.11	69.00	2.89		AGD											
			69.00	72.33	3.33		AFD											
			72.33	105.38	33.05		AGD											
			105.38	107.36	1.98		GM											
			107.36	146.60	39.24		AGD											
ASSAYS AND ANALYSES																		
			46.00	48.00	2.00		FGD	72637			< 0.01	< 0.02						
			56.00	58.00	2.00		AGD	72638			< 0.01	< 0.02						
			58.00	60.00	2.00		GM	72639			0.01	< 0.02						
			60.00	62.00	2.00		GM	72640			0.01	< 0.02						
			62.00	64.00	2.00		GM	72641			< 0.01	< 0.02						
			64.00	66.00	2.00		GM	72642			< 0.01	< 0.02						
			66.00	68.00	2.00		AGD	72643			0.02	< 0.02						
			68.00	70.00	2.00		AFD	72644			0.02	0.02						
			70.00	72.00	2.00		AFD	72645			0.10	0.04						
			72.00	74.00	2.00		AGD	72646			0.11	0.03						
			74.00	76.00	2.00		AGD	72647			0.08	0.02						
			76.00	78.00	2.00		AGD	72648			0.05	< 0.02						
CONTINUED																		

PROPERTY LOGAN D.D.H. 88 -L- 67 PAGE 1 OF 1
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (t): 180 ° DEPTH: 160.02m
 CLAIM: LOGAN 11 NORTHING: -239.01 DATE STARTED: JUNE 14N 1988
 SECTION: 1220 W EASTING: -1217.64 DATE FINISHED: JUNE 17D 1988
 CORE SIZE: NQ ELEVATION: 1324.58 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 76 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEWART HARRIS
 COMMENTS: HOLE L-67 WAS DRILLED TO TEST THE WESTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. NO MINERALIZATION WAS INTERSECTED IN THE HOLE.
 UTM COORDINATES: NORTHING 6707241.42 EASTING 418668.84
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	12.50	12.50		QB										
24.38	-58.50°	180.60°	12.50	20.12	7.62		SAGD										
78.64	-59.00°	178.60°	20.12	30.77	10.65		AGD										
154.84	-59.50°	178.60°	30.77	34.15	3.38		GD										
			34.15	43.66	9.51		AGD										
			43.66	53.64	9.98		SAGD										
			53.64	64.36	10.72		AGD										
			64.36	67.36	3.00		SAGD										
			67.36	73.46	6.10		AGD										
			73.46	77.52	4.06		SAGD										
			77.52	81.68	4.16		AGD										
			81.68	87.93	6.25		GM										
			87.93	89.71	1.78		AGD										
			89.71	149.96	60.25		SAGD										
			149.96	160.02	10.06		AGD										
ASSAYS AND ANALYSES																	
			86.00	88.00	2.00		GM	72655			0.01	< 0.02					
			88.00	90.00	2.00		AGD	72656			0.01	< 0.02					
			90.00	92.00	2.00		SAGD	72657			0.01	< 0.02					
			92.00	94.00	2.00		SAGD	72658			0.01	< 0.02					
			94.00	96.00	2.00		SAGD	72659			0.02	< 0.02					
			96.00	98.00	2.00		SAGD	72660			< 0.01	< 0.02					
			98.00	100.00	2.00		SAGD	72661			< 0.01	< 0.02					

PROPERTY LOGAN D.D.H. 88 -L- 68 PAGE 1 OF 1

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 124.36m

CLAIM: LOGAN 11 NORTHING: -301.32 DATE STARTED: JUNE 17N 1988

SECTION: 1320 W EASTING: -1320.01 DATE FINISHED: JUNE 19N 1988

CORE SIZE: NQ ELEVATION: 1316.45 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 73 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY

COMMENTS: HOLE L-68 WAS DRILLED TO TEST THE WESTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. NO MINERALIZATION WAS INTERSECTED.

UTM COORDINATES: NORTHING 6707132.41 EASTING 418619.18

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	15.54	15.54		DB											
35.36	-60.00°	175.50°	15.54	16.15	0.61		FGD											
120.70	-61.00°	180.50°	16.15	41.77	25.62		AGD											
			41.77	49.23	7.46		SCH											
			49.23	80.30	31.07		AGD											
			80.30	90.30	10.00		FGD											
			90.30	100.72	10.42		AGD											
			100.72	105.16	4.44		GM											
			105.16	124.36	19.20		FGD											
ASSAYS AND ANALYSES																		
			94.00	96.00	2.00		AGD	72662			< 0.01	0.02						
			96.00	98.00	2.00		AGD	72663			< 0.01	< 0.02						
			98.00	100.00	2.00		AGD	72664			< 0.01	< 0.02						
			100.00	102.00	2.00		GM	72665			0.01	< 0.02						
			102.00	104.00	2.00		GM	72666			0.02	< 0.02						
			104.00	106.00	2.00		GM	72667			< 0.01	< 0.02						
			106.00	108.00	2.00		FGD	72668			0.01	< 0.02						

PROPERTY LOGAN D.D.H. 88 -L- 69 PAGE 1 OF 2

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 144.48m
 CLAIM: LOGAN 13 NORTHING: -335.8 DATE STARTED: JUNE 18D 1988
 SECTION: 1420 W EASTING: -1418.67 DATE FINISHED: JUNE 21N 1988
 CORE SIZE: NQ ELEVATION: 1307.86 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 61 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEW HARRIS
 COMMENTS: HOLE L-69 WAS DRILLED TO TEST THE WESTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. APPROXIMATELY 76m OF WEAKLY MINERALIZED CORE (UP TO 3% PYRITE, 3% SPHALERITE) WAS INTERSECTED.

UTM COORDINATES: NORTHING 6707048.51 EASTING 418556.95

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00*	180.00*	0.00	43.28	43.28		DB										
16.46	-61.00*	180.60*	43.28	55.47	12.19		SAGD										
107.90	-62.00*	183.60*	55.47	60.35	4.88		AGD										
			60.35	66.08	5.73		SAGD										
			66.08	73.89	7.81		AGD										
			73.89	90.70	16.81		FGD										
			90.70	102.14	11.44		AGD										
			102.14	118.89	16.75		FGD										
			118.89	121.99	3.10		AGD										
			121.99	125.52	3.53		FGD										
			125.52	132.14	6.62		AGD										
			132.14	137.39	5.25		FGD										
			137.39	144.48	7.09		AGD										
ASSAYS AND ANALYSES																	
			64.00	66.00	2.00		SAGD	72669			0.06	< 0.02					
			66.00	68.00	2.00		AGD	72670			0.41	0.08					
			68.00	70.00	2.00		AGD	72671			0.15	0.03					
			70.00	72.00	2.00		AGD	72672			0.09	0.02					
			72.00	74.00	2.00		AGD	72673			0.09	0.02					
			74.00	76.00	2.00		FGD	72674			0.10	0.02					
			76.00	78.00	2.00		FGD	72675			0.04	< 0.02					
			78.00	80.00	2.00		FGD	72676			0.04	< 0.02					
			80.00	82.00	2.00		FGD	72677			0.03	< 0.02					
			82.00	84.00	2.00		FGD	72678			0.02	< 0.02					
			84.00	86.00	2.00		FGD	72679			< 0.01	< 0.02					
			86.00	88.00	2.00		FGD	72680			0.04	< 0.02					
			88.00	90.00	2.00		FGD	72681			0.06	< 0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 69 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	VALUES BELOW IN PPM UNLESS NOTED															
			From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t	
			90.00	92.00	2.00		AGD	72682				0.38	0.21					
			92.00	94.00	2.00		AGD	72683				0.02	< 0.02					
			94.00	96.00	2.00		AGD	72684				0.09	< 0.02					
			96.00	98.00	2.00		AGD	72685				0.04	0.02					
			98.00	100.00	2.00		AGD	72686				0.10	0.05					
			100.00	102.00	2.00		AGD	72687				0.11	0.02					
			102.00	104.00	2.00		FGD	72688				0.04	0.03					
			104.00	106.00	2.00		FGD	72689				0.18	0.03					
			106.00	108.00	2.00		FGD	72690				0.06	< 0.02					
			108.00	110.00	2.00		FGD	72691				0.04	< 0.02					
			110.00	112.00	2.00		FGD	72692				0.04	0.02					
			112.00	114.00	2.00		FGD	72693				0.04	< 0.02					
			114.00	116.00	2.00		FGD	72694				0.02	< 0.02					
			116.00	118.00	2.00		FGD	72695				0.08	< 0.02					
			118.00	120.00	2.00		AGD	72696				0.06	< 0.02					
			120.00	122.00	2.00		AGD	72697				0.08	< 0.02					
			122.00	124.00	2.00		FGD	72698				0.02	< 0.02					
			124.00	126.00	2.00		FGD	72699				0.01	< 0.02					
			126.00	128.00	2.00		AGD	72700			< 0.01	< 0.02						
			128.00	130.00	2.00		AGD	72701			< 0.01	< 0.02						
			130.00	132.00	2.00		AGD	72702				0.04	< 0.02					
			132.00	134.00	2.00		FGD	72703				0.06	< 0.02					
			134.00	136.00	2.00		FGD	72704				0.06	< 0.02					
			136.00	138.00	2.00		FGD	72705				0.17	< 0.02					
			138.00	140.00	2.00		AGD	72706				0.04	< 0.02					

PROPERTY LOGAN D.D.H. 88 -L- 70 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 113.39m
 CLAIM: LOGAN 7 NORTHING: 232.73 DATE STARTED: JUNE 20D 1988
 SECTION: 1180 E EASTING: 1182.12 DATE FINISHED: JUNE 21N 1988
 CORE SIZE: NQ ELEVATION: 1349.16 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 84 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-70 WAS DRILLED TO TEST THE EASTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. LESS THAN 1m OF WEAK MINERALIZATION WAS INTERSECTED, WITH LOW RECOVERY.

UTM COORDINATES: NORTHING 6708978.75 EASTING 420388.46

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	6.40	6.40		DB											
16.46	-61.00°	181.50°	6.40	13.38	6.98		GD											
107.90	-62.00°	183.50°	13.38	16.42	3.04		SCH											
			16.42	30.78	14.36		GD											
			30.78	37.69	6.91		AGD											
			37.69	39.86	2.17		SAGD											
			39.86	41.49	1.63		SCH											
			41.49	47.48	5.99		AGD											
			47.48	55.17	7.69		FGD											
			55.17	57.90	2.73		SCH											
			57.90	89.46	31.56		AGD											
			89.46	96.01	6.55		GM											
			96.01	97.84	1.83		AFD											
			97.84	101.47	3.63		GM											
			101.47	107.88	6.41		SAGD											
			107.88	113.39	5.51		GD											
ASSAYS AND ANALYSES																		
			82.00	84.00	2.00		AGD	72707			0.16	0.02						
			84.00	86.00	2.00		AGD	72708			0.18	0.03						
			86.00	88.00	2.00		AGD	72709			0.26	0.02						
			88.00	90.00	2.00		AGD	72710			0.50	0.03						
			90.00	92.00	2.00		GM	72711			0.24	< 0.02						
			92.00	94.00	2.00		GM	72712			0.74	0.02						
			94.00	96.00	2.00		GM	72713			0.20	< 0.02						
			96.00	98.00	2.00		AFD	72714			0.13	0.21						
			98.00	100.00	2.00		GM	72715			0.16	< 0.02						
			100.00	102.00	2.00		GM	72716			0.18	< 0.02						
CONTINUED																		

PROPERTY LOGAN D.D.H. 88 -L- 71 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (t): 180 ° DEPTH: 117.65m
 CLAIM: LOGAN 7 NORTHING: 228.15 DATE STARTED: JUNE 22D 1988
 SECTION: 1280 E EASTING: 1280.95 DATE FINISHED: JUNE 23N 1988
 CORE SIZE: NQ ELEVATION: 1338.61 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 94 % CORE STORED AT: LOGAN PROP. LOGGED BY: PALL CONROY
 COMMENTS: HOLE L-71 WAS DRILLED TO TEST FOR AN EASTWARD EXTENSION OF THE MAIN ZONE DEPOSIT. APPROXIMATELY 23m OF WEAK PYRITE MINERALIZATION WAS INTERSECTED.

UTM COORDINATES: NORTHING 6709030.45 EASTING 420472.76

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	3.05	3.05		DB										
22.56	-60.50°	179.50°	3.05	12.26	9.21		GD										
114.00	-62.00°	179.50°	12.26	16.08	3.82		FGD										
			16.08	31.36	15.28		GD										
			31.36	63.76	32.40		AGD										
			63.76	66.29	2.53		SCH										
			66.29	70.26	3.97		AGD										
			70.26	78.12	7.86		GM										
			78.12	92.26	14.14		SAGD										
			92.26	97.42	5.16		GM										
			97.42	99.41	1.99		FDBX										
			99.41	100.77	1.36		AFD										
			100.77	102.97	2.20		FGD										
			102.97	107.29	4.32		AGD										
			107.29	115.00	7.71		GD										
			115.00	117.65	2.65		FGD										
ASSAYS AND ANALYSES																	
			68.00	70.00	2.00		AGD	72720			2067ppm	0.2 ppm					
			70.00	72.00	2.00		GM	72721			2720ppm	0.1 ppm					
			72.00	74.00	2.00		GM	72722			3810ppm	0.4 ppm					
			74.00	76.00	2.00		GM	72723			3650ppm	1.0 ppm					
			76.00	78.00	2.00		GM	72724			1111ppm	0.1 ppm					
			78.00	80.00	2.00		SAGD	72725			1146ppm	0.2 ppm					
			80.00	82.00	2.00		SAGD	72726			1114ppm	0.2 ppm					
			82.00	84.00	2.00		SAGD	72727			699ppm	0.1 ppm					
			84.00	86.00	2.00		SAGD	72728			412ppm	0.1 ppm					
			86.00	88.00	2.00		SAGD	72729			167ppm	0.3 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 71 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

Table with columns: SURVEY DATA (Depth, Dip, Az (t)) and GEOLOGY AND ASSAY RECORD (From (m), To (m), Int. (m), T.W. (m), Geology, Sample No., Rec. %, S.G., Zn %, Ag oz/t, Sn, Cu, Pb, As, Au oz/t). Includes values for samples 72730-72737.

PROPERTY LOGAN D.D.H. 88 -L- 72 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 117.65m
 CLAIM: LOGAN 85 NORTHING: 211.74 DATE STARTED: JUNE 22D 1988
 SECTION: 1375 E EASTING: 1375.26 DATE FINISHED: JUNE 24D 1988
 CORE SIZE: NQ ELEVATION: 1328.04 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 76 % CORE STORED AT: LOGAN PROP. LOGGED BY: CONROY/HARRIS
 COMMENTS: HOLE L-72 WAS DRILLED TO TEST FOR AN EASTWARD EXTENSION OF THE MAIN ZONE DEPOSIT, APPROXIMATELY 9m OF WEAK PYRITE MINERALIZATION WAS INTERSECTED.

UTM COORDINATES: NORTHING 6709069.83 EASTING 420559.96

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t				
0.00	-60.00°	180.00°	0.00	6.10	6.10		OB														
24.08	-62.00°	177.60°	6.10	12.24	6.14		SAGD														
109.42	-60.50°	175.60°	12.24	16.31	4.07		AGD														
			16.31	21.03	4.72		SCH														
			21.03	30.78	9.75		AGD														
			30.78	34.25	3.47		FGD														
			34.25	40.01	5.76		SAGD														
			40.01	61.12	21.11		FGD														
			61.12	68.75	7.63		GM														
			68.75	79.15	10.40		SAGD														
			79.15	80.65	1.50		SCH														
			80.65	82.83	2.18		GM														
			82.83	88.25	5.42		SAGD														
			88.25	96.15	7.90		AGD														
			96.15	100.57	4.42		FGD														
			100.57	106.22	5.65		QV														
			106.22	108.81	2.59		GD														
			108.81	115.15	6.34		FGD														
			115.15	117.65	2.50		GD														
								ASSAYS AND ANALYSES													
			60.00	62.00	2.00		FGD	72738			65ppm	0.1 ppm									
			62.00	64.00	2.00		GM	72739			369ppm	0.2 ppm									
			64.00	66.00	2.00		GM	72740			1935ppm	1.0 ppm									
			66.00	68.00	2.00		GM	72741			815ppm	0.5 ppm									
			68.00	70.00	2.00		SAGD	72742			222ppm	0.3 ppm									
			70.00	72.00	2.00		SAGD	72743			1581ppm	0.8 ppm									
			72.00	74.00	2.00		SAGD	72744			717ppm	0.4 ppm									
								CONTINUED													

PROPERTY _____ LOGAN _____ D.D.H. L 88 - 72 _____ PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD												VALUES BELOW IN PPM UNLESS NOTED		
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			74.00	76.00	2.00		SAGD	72745			758ppm	0.4 ppm					
			76.00	78.00	2.00		SAGD	72746			131ppm	0.2 ppm					
			78.00	80.00	2.00		SAGD	72747			166ppm	0.4 ppm					
			80.00	82.00	2.00		GM	72748			1630ppm	0.5 ppm					
			82.00	84.00	2.00		SAGD	72749			1452ppm	0.5 ppm					
			84.00	86.00	2.00		SAGD	72750			3020ppm	1.4 ppm					
			86.00	88.00	2.00		SAGD	72751			1605ppm	0.2 ppm					
			88.00	90.00	2.00		AGD	72752			83ppm K	0.1 ppm					
			90.00	92.00	2.00		AGD	72753			249ppm	0.2 ppm					
			92.00	94.00	2.00		AGD	72754			224ppm	0.2 ppm					
			94.00	96.00	2.00		AGD	72755			222ppm	0.1 ppm					
			96.00	98.00	2.00		FGD	72756			405ppm	0.5 ppm					
			98.00	100.00	2.00		FGD	72757			58ppm K	0.1 ppm					
			100.00	102.00	2.00		QV	72758			37ppm	0.1 ppm					
			102.00	104.00	2.00		QV	72759			11ppm K	0.1 ppm					
			104.00	106.00	2.00		QV	72760			31ppm K	0.1 ppm					

PROPERTY LOGAN D.D.H. L 88 - 73 PAGE 2 OF 2
 AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			117.00	119.00	2.00		GD	72762			69ppm	0.1 ppm					
			119.00	121.01	2.01		SAGD	72763			647ppm	0.1 ppm					

PROPERTY LOGAN D.D.H. 88 -L- 76 PAGE 1 OF 3
 AREA: EAST ZONE DIP: -60° AZIMUTH (t): 180° DEPTH: 135.64m
 CLAIM: LOGAN 85 NORTHING: 172.2 DATE STARTED: JUNE 27D 1988
 SECTION: 1760 E EASTING: 1760.69 DATE FINISHED: JUNE 29D 1988
 CORE SIZE: NQ ELEVATION: 1311.39 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 77 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-76 WAS DRILLED TO TEST A MODERATE I.P. ANOMALY IN THE EAST ZONE. APPROXIMATELY 13m OF WEAK GALENA-PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED, THE HOLE WAS ABANDONED AFTER DRILLING 40m OF BARREN ROCK.
 UTM COORDINATES: NORTHING 6709253.51 EASTING 420900.89
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	4.27	4.27		DB											
40.54	-60.00°	182.60°	4.27	17.07	12.80		AGD											
131.98	-61.50°	181.60°	17.07	17.37	0.30		NR											
			17.37	40.42	23.05		GM											
			40.42	49.83	9.41		AFD											
			49.83	50.59	0.76		GM											
			50.59	52.73	2.14		NR											
			52.73	59.86	7.13		GM											
			59.86	85.95	26.09		AGD											
			85.95	91.09	5.14		GM											
			91.09	94.76	3.67		AGD											
			94.76	96.92	2.16		GM											
			96.92	103.32	6.40		AGD											
			103.32	110.03	6.71		GM											
			110.03	135.64	25.61		AGD											
ASSAYS AND ANALYSES																		
			13.00	14.00	1.00		AGD	72764			685ppm	0.6 ppm						
			14.00	15.00	1.00		AGD	72765			3060ppm	2.0 ppm						
			15.00	17.00	2.00		AGD	72766			3290ppm	1.3 ppm						
			17.00	18.00	1.00		GM	72767			4190ppm	10.8 ppm						
			18.00	20.00	2.00		GM	72768			1029ppm	1.5 ppm						
			20.00	21.00	1.00		GM	72769			1193ppm	2.5 ppm						
			21.00	25.00	4.00		GM	72770			657ppm	1.0 ppm						
			25.00	26.00	1.00		GM	72771			2450ppm	2.9 ppm						
			26.00	27.00	1.00		GM	72772			641ppm	0.8 ppm						
			27.00	28.00	1.00		GM	72773			1740ppm	2.3 ppm						
			28.00	30.00	2.00		GM	72774			636ppm	0.5 ppm						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 88 - 76 PAGE 2 OF 3

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			30.00	31.00	1.00		GM	72775			640ppm	0.9 ppm						
			31.00	32.00	1.00		GM	72776			241ppm	1.1 ppm						
			32.00	33.00	1.00		GM	72777			2540ppm	1.1 ppm						
			33.00	34.00	1.00		GM	72778			1095ppm	1.2 ppm						
			34.00	35.00	1.00		GM	72779			3060ppm	1.3 ppm						
			35.00	36.00	1.00		GM	72780			1526ppm	1.5 ppm						
			36.00	37.00	1.00		GM	72781			332ppm	0.2 ppm						
			37.00	38.00	1.00		GM	72782			1695ppm	0.3 ppm						
			38.00	39.00	1.00		GM	72783			1064ppm	0.5 ppm						
			39.00	40.00	1.00		GM	72784			3280ppm	1.6 ppm						
			40.00	41.00	1.00		AFD	72785			4680ppm	1.0 ppm						
			41.00	42.00	1.00		AFD	72786			5250ppm	1.0 ppm						
			42.00	43.00	1.00		AFD	72787			3120ppm	0.4 ppm						
			43.00	44.00	1.00		AFD	72788			5060ppm	0.6 ppm						
			44.00	46.00	2.00		AFD	72789			3880ppm	0.4 ppm						
			46.00	50.00	4.00		AFD	72790			4150ppm	0.5 ppm						
			50.00	55.00	5.00		GM	72791			954ppm	0.9 ppm						
			55.00	56.00	1.00		GM	72792			1492ppm	0.6 ppm						
			56.00	57.00	1.00		GM	72793			1548ppm	0.9 ppm						
			57.00	58.00	1.00		GM	72794			1099ppm	0.1 ppm						
			58.00	59.00	1.00		GM	72795			1173ppm	0.1 ppm						
			59.00	60.00	1.00		GM	72796			465ppm	0.1 ppm						
			86.00	88.00	2.00		GM	72797			694ppm	0.4 ppm						
			88.00	89.00	1.00		GM	72798			1102ppm	0.2 ppm						
			89.00	90.00	1.00		GM	72799			307ppm	0.2 ppm						
			90.00	91.00	1.00		GM	72800			207ppm	0.3 ppm						
			91.00	92.00	1.00		AGD	72801			3390ppm	6.3 ppm						
			92.00	93.00	1.00		AGD	72802			797ppm	0.6 ppm						
			93.00	94.00	1.00		AGD	72803			696ppm	0.6 ppm						
			94.00	96.00	2.00		GM	72804			679ppm	0.2 ppm						
			96.00	98.00	2.00		AGD	72805			101ppm	0.1 ppm						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 88 - 76 PAGE 3 OF 3

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			98.00	99.50	1.50		AGD	72806			58ppm	0.1 ppm										99.50	100.00	0.50		AGD	72807			10730ppm	3.63										100.00	101.00	1.00		AGD	72808			72ppm	0.9 ppm										101.00	102.00	1.00		AGD	72809			375ppm	0.5 ppm										102.00	103.00	1.00		AGD	72810			133ppm	0.3 ppm										103.00	104.00	1.00		GM	72811			497ppm	0.2 ppm										104.00	105.00	1.00		GM	72812			627ppm	0.2 ppm										105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																
			99.50	100.00	0.50		AGD	72807			10730ppm	3.63										100.00	101.00	1.00		AGD	72808			72ppm	0.9 ppm										101.00	102.00	1.00		AGD	72809			375ppm	0.5 ppm										102.00	103.00	1.00		AGD	72810			133ppm	0.3 ppm										103.00	104.00	1.00		GM	72811			497ppm	0.2 ppm										104.00	105.00	1.00		GM	72812			627ppm	0.2 ppm										105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																			
			100.00	101.00	1.00		AGD	72808			72ppm	0.9 ppm										101.00	102.00	1.00		AGD	72809			375ppm	0.5 ppm										102.00	103.00	1.00		AGD	72810			133ppm	0.3 ppm										103.00	104.00	1.00		GM	72811			497ppm	0.2 ppm										104.00	105.00	1.00		GM	72812			627ppm	0.2 ppm										105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																						
			101.00	102.00	1.00		AGD	72809			375ppm	0.5 ppm										102.00	103.00	1.00		AGD	72810			133ppm	0.3 ppm										103.00	104.00	1.00		GM	72811			497ppm	0.2 ppm										104.00	105.00	1.00		GM	72812			627ppm	0.2 ppm										105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																									
			102.00	103.00	1.00		AGD	72810			133ppm	0.3 ppm										103.00	104.00	1.00		GM	72811			497ppm	0.2 ppm										104.00	105.00	1.00		GM	72812			627ppm	0.2 ppm										105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																												
			103.00	104.00	1.00		GM	72811			497ppm	0.2 ppm										104.00	105.00	1.00		GM	72812			627ppm	0.2 ppm										105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																															
			104.00	105.00	1.00		GM	72812			627ppm	0.2 ppm										105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																																																		
			105.00	107.00	2.00		GM	72813			495ppm	0.4 ppm										107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																																																																					
			107.00	109.00	2.00		GM	72814			162ppm	0.1 ppm										109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																																																																																								
			109.00	111.00	2.00		GM	72815			121ppm	0.1 ppm										111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			111.00	113.00	2.00		AGD	72816			554ppm	0.2 ppm										113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			113.00	114.00	1.00		AGD	72817			491ppm	0.8 ppm										114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			114.00	116.00	2.00		AGD	72818			1210ppm	0.4 ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

VALUES BELOW IN PPM UNLESS NOTED

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 88 -L- 77 PAGE 1 OF 2
 AREA: EAST ZONE DIP: -60° AZIMUTH (I): 180° DEPTH: 99.36m
 CLAIM: LOGAN 87 NORTHING: 168.9 DATE STARTED: JUNE 28D 1988
 SECTION: 1880 E EASTING: 1880.32 DATE FINISHED: JUNE 30D 1988
 CORE SIZE: NQ ELEVATION: 1313.56 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 82 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEWART HARRIS
 COMMENTS: HOLE L-77 WAS DRILLED TO TEST A MODERATE I.P. ANOMALY AND TO TEST FOR A WESTWARD EXTENSION OF EAST ZONE MINERALIZATION AND STRUCTURE. APPROXIMATELY 37m OF WEAK PYRITE-SPHALERITE-ARSENOPYRITE WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 12m OF BARREN ROCK.
 UTM COORDINATES: NORTHING 6709317.94 EASTING 421001.67
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	6.70	6.70		DB										
31.69	-60.00°	179.60°	6.70	17.58	10.88		AGD										
92.65	-61.00°	180.60°	17.58	45.09	27.51		SAGD										
			45.09	50.90	5.81		GM										
			50.90	72.12	21.22		AFD										
			72.12	75.17	3.05		GM										
			75.17	87.39	12.22		AGD										
			87.39	92.29	4.90		GD										
			92.29	99.36	7.07		AGD										
ASSAYS AND ANALYSES																	
			42.00	44.00	2.00		SAGD	72819			3700ppm	2.6 ppm					
			44.00	46.00	2.00		SAGD	72820			1230ppm	0.5 ppm					
			46.00	48.00	2.00		GM	72821			3000ppm	1.7 ppm					
			48.00	49.00	1.00		GM	72822			1500ppm	3.2 ppm					
			49.00	50.00	1.00		GM	72823			1500ppm	3.5 ppm					
			50.00	51.00	1.00		GM	72824			196ppm	0.2 ppm					
			51.00	52.00	1.00		AFD	72825			68ppm	0.5 ppm					
			52.00	53.00	1.00		AFD	72826			180ppm	0.1 ppm					
			53.00	54.00	1.00		AFD	72827			142ppm	1.3 ppm					
			54.00	56.00	2.00		AFD	72828			270ppm	1.4 ppm					
			56.00	57.00	1.00		AFD	72829			650ppm	0.6 ppm					
			57.00	58.00	1.00		AFD	72830			1750ppm	0.7 ppm					
			58.00	59.00	1.00		AFD	72831			610ppm	0.6 ppm					
			59.00	60.00	1.00		AFD	72832			266ppm	0.4 ppm					
			60.00	61.00	1.00		AFD	72833			214ppm	0.4 ppm					
			61.00	62.00	1.00		AFD	72834			260ppm	0.8 ppm					
			62.00	63.00	1.00		AFD	72835			280ppm	1.0 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 77 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			63.00	64.00	1.00		AFD	72836			50ppm	0.1 ppm					
			64.00	65.00	1.00		AFD	72837			22ppm	< 0.1 ppm					
			65.00	66.00	1.00		AFD	72838			56ppm	< 0.1 ppm					
			66.00	67.00	1.00		AFD	72839			196ppm	0.1 ppm					
			67.00	68.00	1.00		AFD	72840			620ppm	0.3 ppm					
			68.00	69.00	1.00		AFD	72841			196ppm	5.1 ppm					
			69.00	70.00	1.00		AFD	72842			620ppm	0.6 ppm					
			70.00	71.00	1.00		AFD	72843			410ppm	0.3 ppm					
			71.00	72.00	1.00		AFD	72844			450ppm	3.0 ppm					
			72.00	74.00	2.00		GM	72845			850ppm	0.6 ppm					
			74.00	76.00	2.00		GM	72846			1500ppm	0.4 ppm					
			76.00	78.00	2.00		AGD	72847			2200ppm	0.6 ppm					
			78.00	80.00	2.00		AGD	72848			1800ppm	1.5 ppm					
			80.00	82.00	2.00		AGD	72849			2600ppm	0.7 ppm					
			82.00	84.00	2.00		AGD	72850			600ppm	0.3 ppm					
			84.00	86.00	2.00		AGD	72851			1050ppm	0.2 ppm					
			86.00	88.00	2.00		AGD	72852			900ppm	< 0.1 ppm					

PROPERTY LOGAN D.D.H. 88 -L- 79 PAGE 1 OF 2
 AREA: EAST ZONE DIP: -60° AZIMUTH (I): 180° DEPTH: 129.24m
 CLAIM: LOGAN 88 NORTHING: 159.4 DATE STARTED: JUNE 29D 1988
 SECTION: 2185 E EASTING: 2182.52 DATE FINISHED: JULY 2D 1988
 CORE SIZE: NQ ELEVATION: 1304.87 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 66% CORE STORED AT: LOGAN PRQP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-79 WAS DRILLED TO TEST A STRONG I.P. ANOMALY AND COINCIDENT MULTIELEMENT SOIL GEOCHEMISTRY ANOMALY, APPROXIMATELY 30m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 59m OF BARREN ROCK.
 UTM COORDINATES: NORTHING 6709479.75 EASTING 421256.90
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
0.00	-60.00°	180.00°	0.00	6.40	6.40		DB												
28.04	-60.00°	179.50°	6.40	23.16	16.76		AGD												
124.57	-59.00°	177.50°	23.16	33.83	10.67		GM												
			33.83	35.66	1.83		QV												
			35.66	36.88	1.22		NR												
			36.88	37.82	0.94		QV												
			37.82	57.18	19.36		FQP												
			57.18	58.83	1.65		NR												
			58.83	63.40	4.57		FQP												
			63.40	68.31	4.91		GM												
			68.31	82.65	14.34		AGD												
			82.65	85.41	2.76		SAGD												
			85.41	92.45	7.04		AGD												
			92.45	107.73	15.28		GD												
			107.73	129.23	21.50		AGD												
ASSAYS AND ANALYSES																			
			8.00	10.00	2.00		AGD	72912			300ppm	0.8 ppm							
			10.00	12.00	2.00		AGD	72913			545ppm	1.0 ppm							
			12.00	14.00	2.00		AGD	72914			605ppm	0.9 ppm							
			14.00	16.00	2.00		AGD	72915			328ppm	1.3 ppm							
			16.00	18.00	2.00		AGD	72916			895ppm	1.5 ppm							
			18.00	20.00	2.00		AGD	72917			150ppm	1.5 ppm							
			20.00	22.00	2.00		AGD	72918			2660ppm	1.6 ppm							
			22.00	24.00	2.00		AGD	72919			3090ppm	3.2 ppm							
			24.00	26.00	2.00		GM	72920			2620ppm	1.5 ppm							
			26.00	28.00	2.00		GM	72921			6220ppm	2.4 ppm							
			28.00	30.00	2.00		GM	72922			3840ppm	1.5 ppm							
CONTINUED																			

PROPERTY LOGAN D.D.H. L 88 - 79 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			30.00	32.00	2.00		GM	72923			6190ppm	6.4 ppm					
			32.00	36.00	4.00		QV	72924			1670ppm	1.2 ppm					
			36.00	40.00	4.00		QV	72925			1620ppm	0.6 ppm					
			40.00	41.00	1.00		FQP	72926			2740ppm	1.1 ppm					
			41.00	42.00	1.00		FQP	72927			3590ppm	1.3 ppm					
			42.00	43.00	1.00		FQP	72928			3470ppm	0.6 ppm					
			43.00	48.00	5.00		FQP	72929			3350ppm	0.7 ppm					
			48.00	49.00	1.00		AFD	72930			5700ppm	0.7 ppm					
			49.00	51.00	2.00		FQP	72931			5760ppm	0.9 ppm					
			51.00	55.00	4.00		FQP	72932			5630ppm	1.0 ppm					
			55.00	60.00	5.00		FQP	72933			6580ppm	1.8 ppm					
			60.00	64.00	4.00		FQP	72934			3700ppm	0.9 ppm					
			64.00	65.00	1.00		GM	72935			3910ppm	0.3 ppm					
			65.00	66.00	1.00		GM	72936			2250ppm	0.3 ppm					
			66.00	68.00	2.00		GM	72937			2590ppm	0.5 ppm					
			68.00	70.00	2.00		AGD	72938			715ppm	0.1 ppm					

PROPERTY LOGAN D.D.H. L 88 - 80 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA | **GEOLOGY AND ASSAY RECORD** | VALUES BELOW IN PPM UNLESS NOTED

Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			67.00	69.00	2.00		SAGD	72885			2600ppm	0.9 ppm					
			69.00	71.00	2.00		SAGD	72886			2400ppm	1.4 ppm					
			71.00	73.00	2.00		SAGD	72887			4100ppm	1.6 ppm					
			73.00	75.00	2.00		SAGD	72888			3800ppm	1.2 ppm					
			75.00	77.00	2.00		AGD	72889			4200ppm	1.2 ppm					
			77.00	78.00	1.00		AGD	72890			5.46	1.49					
			78.00	80.00	2.00		GM	72891			5400ppm	9.2 ppm					
			80.00	82.00	2.00		GM	72892			4200ppm	0.9 ppm					
			82.00	86.00	4.00		GM	72893			4400ppm	6.3 ppm					
			86.00	88.00	2.00		FQP	72894			2600ppm	2.9 ppm					
			88.00	90.00	2.00		FQP	72895			3000ppm	0.9 ppm					
			90.00	92.00	2.00		FQP	72896			5200ppm	1.6 ppm					
			92.00	96.00	4.00		FQP	72897			680ppm	0.9 ppm					
			96.00	98.00	2.00		FQP	72898			260ppm	1.5 ppm					
			98.00	100.00	2.00		FQP	72899			305ppm	0.4 ppm					
			100.00	104.00	4.00		FQP	72900			900ppm	0.6 ppm					
			104.00	106.00	2.00		FQP	72901			920ppm	0.5 ppm					
			106.00	108.00	2.00		FQP	72902			420ppm	1.3 ppm					
			108.00	110.00	2.00		FQP	72903			345ppm	1.0 ppm					
			110.00	112.00	2.00		MBX	72904			5200ppm	9.7 ppm					
			112.00	114.00	2.00		GM	72905			2800ppm	1.2 ppm					
			114.00	116.00	2.00		FQP	72906			8500ppm	0.3 ppm					
			116.00	118.00	2.00		FQP	72907			3600ppm	0.3 ppm					
			118.00	120.00	2.00		FQP	72908			11400ppm	0.3 ppm					
			120.00	122.00	2.00		FQP	72909			10200ppm	0.7 ppm					
			122.00	124.00	2.00		FQP	72910			7400ppm	1.1 ppm					
			124.00	126.00	2.00		FQP	72911			6000ppm	0.9 ppm					
			126.00	128.00	2.00		FQP	72939			1300ppm	0.3 ppm					

PROPERTY: LOGAN D.D.H. 88 -L- 81 PAGE 1 OF 2
 AREA: EAST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 110.34m
 CLAIM: LOGAN 90 NORTHING: 173.53 DATE STARTED: JULY 30 1988
 SECTION: 2295 E EASTING: 2295.93 DATE FINISHED: JULY 30 1988
 CORE SIZE: NQ ELEVATION: 1293.87 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 85 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEW HARRIS
 COMMENTS: HOLE L-81 WAS DRILLED TO TEST A MODERATE I.P. ANOMALY AND COINCIDENT MULTIELEMENT SOIL GEOCHEMISTRY ANOMALY. APPROXIMATELY 12m OF WEAK PYRITE-SPHALERITE-ARSENOPYRITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 52m OF BARREN ROCK.
UTM COORDINATES: NORTHING 6709555.10 EASTING 421342.75
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED		
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	12.19	12.19		OB											
27.43	-61.00°	173.60°	12.19	26.61	14.42		SAGD											
103.63	-61.00°	174.60°	26.61	31.09	4.48		GM											
			31.09	42.98	11.89		AFD											
			42.98	46.22	3.24		GM											
			46.22	58.47	12.25		AGD											
			58.47	60.21	1.74		GM											
			60.21	67.75	7.54		AGD											
			67.75	71.05	3.30		SAGD											
			71.05	76.65	5.60		AGD											
			76.65	81.69	5.04		SAGD											
			81.69	90.01	8.32		GD											
			90.01	92.92	2.91		GM											
			92.92	97.40	4.48		AGD											
			97.40	110.43	13.03		BD											
								ASSAYS AND ANALYSES										
			15.00	17.00	2.00		SAGD	72940			201ppm	1.2 ppm						
			17.00	19.00	2.00		SAGD	72941			738ppm	1.2 ppm						
			19.00	21.00	2.00		SAGD	72942			836ppm	1.1 ppm						
			21.00	23.00	2.00		SAGD	72943			810ppm	1.3 ppm						
			23.00	25.00	2.00		SAGD	72944			3740ppm	1.6 ppm						
			25.00	27.00	2.00		SAGD	72945			1580ppm	0.9 ppm						
			27.00	29.00	2.00		GM	72946			3620ppm	2.5 ppm						
			29.00	31.00	2.00		GM	72947			682ppm	0.7 ppm						
			31.00	33.00	2.00		AFD	72948			507ppm	0.6 ppm						
			33.00	35.00	2.00		AFD	72949			318ppm	0.5 ppm						
			35.00	37.00	2.00		AFD	72950			229ppm	0.3 ppm						
								CONTINUED										

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY	LOGAN	D.D.H.	88 -L- 82	PAGE	1	OF	1
AREA:	EAST ZONE	DIP:	-60 °	AZIMUTH (I):	180 °	DEPTH:	126.64m
CLAIM:	LOGAN 90	NORTHING:	177.67	DATE STARTED:	JULY 5N 1988		
SECTION:	2415 E	EASTING:	2415.88	DATE FINISHED:	JULY 7D 1988		
CORE SIZE:	NQ	ELEVATION:	1282.13 m	CONTRACTOR:	ARCTIC DIAMOND DRILLING LTD		
CORE RECOVERY:	89 %	CORE STORED AT:	LOGAN PROP.	LOGGED BY:	PAUL CONROY		
COMMENTS:	HOLE L-82 WAS DRILLED TO TEST A ZN-AG-CU SOIL GEOCHEMISTRY ANOMALY IN THE EAST ZONE. APPROXIMATELY 11m OF WEAK PYRITE-ARSENOPYRITE-GALENA MINERALIZATION WAS INTERSECTED. THE ZONE APPEARS TO PINCH OUT FROM L2400E TO THE EAST. THE HOLE WAS TERMINATED AFTER DRILLING 40m OF BARREN ROCK.						
	UTM COORDINATES; NORTHING 6709625.86 EASTING 421439.61						
	NOTE: All azimuths are set relative to grid north - 324.41° TN						

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	21.95	21.95		DB										
34.44	-61.50°	177.50°	21.95	28.04	6.09		SAGD										
119.79	-62.00°	174.50°	28.04	31.68	3.64		FQPBX										
			31.68	37.24	5.56		SAGD										
			37.24	47.53	10.29		AGD										
			47.53	76.24	28.71		GD										
			76.24	78.07	1.83		AGD										
			78.07	80.77	2.70		GD										
			80.77	89.00	8.23		AGD										
			89.00	126.64	37.64		GD										
ASSAYS AND ANALYSES																	
			22.00	24.00	2.00		SAGD	72956			226ppm	1.2 ppm					
			24.00	26.00	2.00		SAGD	72957			213ppm	1.5 ppm					
			26.00	28.00	2.00		SAGD	72958			184ppm	1.2 ppm					
			28.00	30.00	2.00		FQPBX	72959			256ppm	2.0 ppm					
			30.00	32.00	2.00		FQPBX	72960			293ppm	1.6 ppm					
			32.00	34.00	2.00		SAGD	72961			129ppm	0.5 ppm					
			34.00	36.00	2.00		SAGD	72962			250ppm	1.6 ppm					
			36.00	38.00	2.00		SAGD	72963			616ppm	2.2 ppm					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 88 -L- 84 PAGE 1 OF 1
 AREA: WEST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 124.97m
 CLAIM: LOGAN 32 NORTHING: -424.13 DATE STARTED: JULY 8D 1988
 SECTION: 1720 W EASTING: -1718.97 DATE FINISHED: JULY 10N 1988
 CORE SIZE: NQ ELEVATION: 1394.29 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 87 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-84 WAS DRILLED TO TEST FAVOURABLE GEOLOGY AT DEPTH FROM SURFACE EXPOSURES. A TOTAL OF APPROXIMATELY 14m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AT THE TARGET DEPTH OF 124.97m (410').
 UTM COORDINATES: NORTHING 6706806.88 EASTING 418358.21
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
0.00	-60.00°	180.00°	0.00	3.66	3.66		QB												
23.77	-57.00°	177.60°	3.66	30.28	26.62		AGD												
118.26	-60.00°	177.60°	30.28	35.97	5.69		METS												
			35.97	41.97	6.00		AGD												
			41.97	43.62	1.65		METS												
			43.62	44.39	0.77		BX												
			44.39	46.32	1.93		AGD												
			46.32	46.85	0.53		BX												
			46.85	50.98	4.13		AGD												
			50.98	59.89	8.91		METS												
			59.89	63.12	3.23		AGD												
			63.12	90.45	27.33		METS												
			90.45	92.33	1.88		AGD												
			92.33	99.96	7.63		METS												
			99.96	102.24	2.28		AGD												
			102.24	124.97	22.73		METS												

ASSAYS AND ANALYSES																	
			41.00	43.00	2.00		METS	72964				10500ppm	1.6 ppm				
			43.00	45.00	2.00		BX	72965				5500ppm	1.0 ppm				
			45.00	47.00	2.00		AGD	72966				3600ppm	0.7 ppm				
			111.00	112.00	1.00		METS	72967				4600ppm	14.1 ppm				

PROPERTY LOGAN D.D.H. 88 -L- 85 PAGE 1 OF 2

AREA: WEST ZONE DIP: -60 ° AZIMUTH (t): 180 ° DEPTH: 125.27m

CLAIM: LOGAN 32 NORTHING: -642.92 DATE STARTED: JULY 9D 1988

SECTION: 1720 W EASTING: -1716.31 DATE FINISHED: JULY 11N 1988

CORE SIZE: NO ELEVATION: 1399.69 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 63 % CORE STORED AT: LOGAN PROP. LOGGED BY: STEW HARRIS

COMMENTS: HOLE L-85 WAS DRILLED TO TEST A COINCIDENT Zn-AG SOIL GEOCHEMISTRY AND I.P. ANOMALY. APPROXIMATELY 12m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AT THE TARGET DEPTH OF 411 FEET.

UTM COORDINATES: NORTHING 6706627.45 EASTING 418483.24

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	2.74	2.74		OB										
14.63	-59.00°	180.60°	2.74	22.75	20.01		AGD										
121.31	-62.00°	180.60°	22.75	25.91	3.16		SCH										
			25.91	32.16	6.25		GD										
			32.16	39.01	6.85		SCH										
			39.01	45.02	6.01		FGD										
			45.02	47.17	2.15		METS										
			47.17	59.10	11.93		AGD										
			59.10	60.96	1.86		GM										
			60.96	63.68	2.72		SAGD										
			63.68	73.06	9.38		METS										
			73.06	76.58	3.52		AGD										
			76.58	82.97	6.39		GM										
			82.97	88.42	5.45		FGD										
			88.42	94.94	6.52		GD										
			94.94	97.02	2.08		AGD										
			97.02	99.30	2.28		SCH										
			99.30	100.86	1.56		AGD										
			100.86	104.23	3.37		SCH										
			104.23	108.36	4.13		AGD										
			108.36	121.97	13.61		FGD										
			121.97	125.27	3.30		AGD										
ASSAYS AND ANALYSES																	
			56.00	58.00	2.00		AGD	72968			700ppm	0.1 ppm					
			58.00	60.00	2.00		AGD	72969			40ppm	0.1 ppm					
			60.00	62.00	2.00		SAGD	72970			500ppm	0.4 ppm					
			62.00	64.00	2.00		SAGD	72971			268ppm	0.2 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 85 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			64.00	66.00	2.00		METS	72972			450ppm	0.1 ppm					
			66.00	68.00	2.00		METS	72973			3300ppm	1.7 ppm					
			68.00	70.00	2.00		METS	72974			1030ppm	0.7 ppm					
			101.00	103.00	2.00		SCH	72975			640ppm	0.4 ppm					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 88 -L- 86 PAGE 1 OF 1
 AREA: WEST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 121.92m
 CLAIM: LOGAN 13 NORTHING: -302.44 DATE STARTED: JULY 11D 1988
 SECTION: 1720 W EASTING: -1717.71 DATE FINISHED: JULY 13N 1988
 CORE SIZE: NQ ELEVATION: 1355.31 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 73 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-86 WAS DRILLED TO TEST A STRONG ZN-AG SOIL GEOCHEMISTRY ANOMALY IN THE WEST ZONE. NO SIGNIFICANT MINERALIZATION WAS INTERSECTED, AND NO SAMPLES WERE TAKEN. THE HOLE WAS TERMINATED AT THE TARGET DEPTH OF 400 FEET.
 UTM COORDINATES: NORTHING 6706908.22 EASTING 418290.94
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	8.23	8.23		DB										
57.30	-60.00°	181.60°	8.23	20.14	11.91		AGD										
118.26	-60.50°	181.60°	20.14	24.55	4.41		METS										
			24.55	30.63	6.08		AGD										
			30.63	33.78	3.15		SAGD										
			33.78	44.15	10.37		AGD										
			44.15	48.77	4.62		METS										
			48.77	72.46	23.69		AGD										
			72.46	74.24	1.78		METS										
			74.24	92.10	17.86		SAGD										
			92.10	104.26	12.16		METS										
			104.26	121.92	17.66		AGD										

PROPERTY LOGAN D.D.H. 88 -L- 87 PAGE 1 OF 2

AREA: WEST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 125.27m

CLAIM: LOGAN 32 NORTHING: -607.48 DATE STARTED: JULY 12D 1988

SECTION: 1620 W EASTING: -1616.47 DATE FINISHED: JULY 14N 1988

CORE SIZE: NQ ELEVATION: 1372.2 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 73 % CORE STORED AT: LOGAN PROP. LOGGED BY: FAUL CONROY

COMMENTS: HOLE L-87 WAS DRILLED TO TEST A STRONG ZN-AG SOIL GEOCHEMISTRY ANOMALY AND NEARBY STRONG I.P. ANOMALY. APPROXIMATELY 12m OF WEAK PYRITE-ARSENOPYRITE-SPHALERITE MINERALIZATION IN A CHALCEDONIC BRECCIA WAS INTERSECTED.

UTM COORDINATES: NORTHING 6706712.80 EASTING 418545.90

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	3.66	3.66		QB										
27.13	-60.00°	176.10°	3.66	8.77	5.11		METS										
118.57	-61.00°	175.60°	8.77	12.50	3.73		AGD										
			12.50	14.33	1.83		SAGD										
			14.33	24.71	10.38		METS										
			24.71	25.70	0.99		GM										
			25.70	27.39	1.69		SAGD										
			27.39	38.85	11.46		AGD										
			38.85	45.90	7.05		GM										
			45.90	54.67	8.77		AGD										
			54.67	73.91	19.24		GM										
			73.91	85.22	11.31		BX										
			85.22	94.73	9.51		AGD										
			94.73	99.36	4.63		METS										
			99.36	125.27	25.91		AGD										
ASSAYS AND ANALYSES																	
			54.00	56.00	2.00		GM	72976			691ppm	0.8 ppm					
			56.00	58.00	2.00		GM	72977			753ppm	1.3 ppm					
			58.00	60.00	2.00		GM	72978			713ppm	5.2 ppm					
			60.00	62.00	2.00		GM	72979			372ppm	2.7 ppm					
			62.00	64.00	2.00		GM	72980			290ppm	1.1 ppm					
			64.00	66.00	2.00		GM	72981			952ppm	1.7 ppm					
			66.00	68.00	2.00		GM	72982			365ppm	0.7 ppm					
			68.00	70.00	2.00		GM	72983			933ppm	1.3 ppm					
			70.00	72.00	2.00		GM	72984			99ppm	0.3 ppm					
			72.00	74.00	2.00		GM	72985			122ppm	1.5 ppm					
			74.00	76.00	2.00		BX	72986			136ppm	0.9 ppm					
CONTINUED																	

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 88 -L- 88 PAGE 1 OF 1
 AREA: WEST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 121.92m
 CLAIM: LOGAN 32 NORTHING: -535.72 DATE STARTED: JULY 14D 1988
 SECTION: 1620 W EASTING: -1620.07 DATE FINISHED: JULY 16D 1988
 CORE SIZE: NQ ELEVATION: 1362.33 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 91 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-88 WAS DRILLED TO TEST A STRONG ZN-SN SOIL GEOCHEMISTRY ANOMALY AND COINCIDENT MODERATE I.P. ANOMALY. NO SIGNIFICANT MINERALIZATION WAS INTERSECTED.
THE HOLE WAS CLOSED AT THE TARGET DEPTH OF 400 FEET.
 UTM COORDINATES: NORTHING 6706770.13 EASTING 418502.64
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	24.99	24.99		OB										
			24.99	25.64	0.65		AGD										
			25.64	26.72	1.08		METS										
			26.72	28.65	1.93		SAGD										
			28.65	30.27	1.62		GM										
			30.27	33.00	2.73		METS										
			33.00	34.33	1.33		FGD										
			34.33	43.11	8.78		AGD										
			43.11	46.22	3.11		METS										
			46.22	52.62	6.40		AGD										
			52.62	53.70	1.08		FGD										
			53.70	60.10	6.40		METS										
			60.10	64.31	4.21		AGD										
			64.31	85.13	20.82		METS										
			85.13	121.92	36.79		AGD										
ASSAYS AND ANALYSES																	
			28.00	30.00	2.00		GM	72992			664ppm	0.1 ppm					
			30.00	32.00	2.00		METS	72993			617ppm	< 0.1 ppm					
			32.00	34.00	2.00		FGD	72994			88ppm	0.2 ppm					
			34.00	36.00	2.00		AGD	72995			99ppm	< 0.1 ppm					
			36.00	38.00	2.00		AGD	72996			79ppm	< 0.1 ppm					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: <u>LOGAN</u>	D.D.H. <u>88 -L- 89</u>	PAGE <u>1</u>	OF <u>1</u>
AREA: <u>WEST ZONE</u>	DIP: <u>-60 °</u> AZIMUTH (I): <u>180 °</u>	DEPTH: <u>124.97m</u>	
CLAIM: <u>LOGAN 32</u>	NORTHING: <u>-558.68</u>	DATE STARTED: <u>JULY 15D 1988</u>	
SECTION: <u>1520 W</u>	EASTING: <u>-1519.49</u>	DATE FINISHED: <u>JULY 17N 1988</u>	
CORE SIZE: <u>NQ</u>	ELEVATION: <u>1352.13 m</u>	CONTRACTOR: <u>ARCTIC DIAMOND DRILLING LTD</u>	
CORE RECOVERY: <u>62 %</u>	CORE STORED AT: <u>LOGAN PROP.</u>	LOGGED BY: <u>PAUL CONROY</u>	
COMMENTS: <u>SOLE L-89 WAS DRILLED TO TEST A STRONG MULTIELEMENT SOIL GEOCHEMISTRY AND COINCIDENT MODERATE I.P. ANOMALY. ABOUT 8m OF WEAK PYRITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AT THE TARGET DEPTH OF 410 FEET.</u>			
UTM COORDINATES: NORTHING <u>6706807.61</u> EASTING <u>418598.70</u>			
NOTE: All azimuths are set relative to grid north - 324.41° TN			

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	3.66	3.66		OB											
12.80	-60.00°	177.60°	3.66	16.86	13.20		AGD											
120.70	-60.50°	177.60°	16.86	18.37	1.51		METS											
			18.37	21.30	2.93		AGD											
			21.30	26.87	5.57		METS											
			26.87	30.74	3.87		SAGD											
			30.74	34.86	4.12		METS											
			34.86	38.70	3.84		AGD											
			38.70	39.92	1.22		METS											
			39.92	83.70	43.78		GM											
			83.70	87.17	3.47		METS											
			87.17	91.41	4.24		BX											
			91.41	106.48	15.07		GM											
			106.48	109.62	3.14		METS											
			109.62	124.96	15.34		AGD											
ASSAYS AND ANALYSES																		
			68.00	74.00	6.00		GM	72997			1411ppm	3.3 ppm						
			74.00	78.00	4.00		GM	72998			484ppm	1.3 ppm						
			78.00	80.00	2.00		GM	72999			731ppm	1.7 ppm						
			80.00	82.00	2.00		GM	73000			167ppm	1.1 ppm						
			82.00	84.00	2.00		GM	73001			347ppm	0.8 ppm						
			84.00	86.00	2.00		METS	73002			505ppm	1.2 ppm						
			86.00	88.00	2.00		BX	73003			721ppm	2.3 ppm						
			88.00	90.00	2.00		BX	73004			304ppm	1.2 ppm						
			90.00	92.00	2.00		BX	73005			266ppm	1.3 ppm						

PROPERTY LOGAN D.D.H. B8 -L- 90 PAGE 1 OF 3

AREA: WEST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 132.59m

CLAIM: LOGAN 35 NORTHING: -850.53 DATE STARTED: JULY 26D 1988

SECTION: 2430 W EASTING: -2431.79 DATE FINISHED: JULY 28D 1988

CORE SIZE: NQ ELEVATION: 1541.66 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 81 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY

COMMENTS: HOLE L-90 WAS DRILLED TO TEST A COINCIDENT ZN-AG SOIL GEOCHEMISTRY AND STRONG I.P. ANOMALY ALONG THE SECTION FORMED BY TRENCH L-807. APPROXIMATELY 56m OF WEAK SPHALERITE-PYRITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 32m OF BARREN ROCK.

UTM COORDINATES: NORTHING 6706054.10 EASTING 418008.13

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
0.00	-60.00°	180.00°	0.00	4.88	4.88		OB												
30.17	-62.00°	183.60°	4.88	14.02	9.14		AGD												
127.71	-60.50°	185.60°	14.02	15.78	1.76		METS												
			15.78	19.88	4.10		SAGD												
			19.88	21.64	1.76		AGD												
			21.64	25.78	4.14		METS												
			25.78	27.43	1.65		SAGD												
			27.43	35.77	8.34		AGD												
			35.77	41.15	5.38		SAGD												
			41.15	44.86	3.71		GM												
			44.86	46.25	1.39		AGD												
			46.25	77.47	31.22		SAGD												
			77.47	80.99	3.52		AGD												
			80.99	84.77	3.78		SCH												
			84.77	86.89	2.12		SAGD												
			86.89	88.24	1.35		METS												
			88.24	91.53	3.29		GM												
			91.53	95.09	3.56		AGD												
			95.09	99.06	3.97		SCH												
			99.06	100.09	1.03		AGD												
			100.09	104.69	4.60		METS												
			104.69	106.85	2.16		GD												
			106.85	110.40	3.55		METS												
			110.40	114.15	3.75		AGD												
			114.15	122.53	8.38		METS												
			122.53	123.63	1.10		AGD												
			123.63	126.00	2.37		SAGD												
			126.00	126.95	0.95		METS												
			126.95	128.00	1.05		AGD												
			128.00	130.18	2.18		METS												
								CONTINUED											

PROPERTY LOGAN D.D.H. L 88 - 90 PAGE 2 OF 3

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			130.18	132.59	2.41		AGD										
ASSAYS AND ANALYSES																	
			43.00	45.00	2.00		GM	73006			372ppm	0.4 ppm					
			45.00	46.00	1.00		AGD	73007			6800ppm	0.2 ppm					
			46.00	48.00	2.00		SAGD	73008			353ppm	0.7 ppm					
			58.00	60.00	2.00		SAGD	73009			2092ppm	0.9 ppm					
			60.00	61.00	1.00		SAGD	73010			494ppm	0.6 ppm					
			61.00	63.00	2.00		SAGD	73011			90ppm	0.4 ppm					
			63.00	65.00	2.00		SAGD	73012			480ppm	0.2 ppm					
			65.00	66.00	1.00		SAGD	73013			908ppm	0.3 ppm					
			66.00	67.00	1.00		SAGD	73014			1991ppm	0.3 ppm					
			67.00	69.00	2.00		SAGD	73015			440ppm	0.3 ppm					
			69.00	70.00	1.00		SAGD	73016			2103ppm	0.5 ppm					
			70.00	72.00	2.00		SAGD	73017			984ppm	0.4 ppm					
			72.00	74.00	2.00		SAGD	73018			847ppm	0.2 ppm					
			74.00	76.00	2.00		SAGD	73019			25ppm	0.2 ppm					
			76.00	78.00	2.00		SAGD	73020			15ppm	0.3 ppm					
			78.00	79.00	1.00		AGD	73021			15ppm	0.6 ppm					
			79.00	80.00	1.00		AGD	73022			13ppm	0.5 ppm					
			80.00	82.00	2.00		AGD	73023			418ppm	0.3 ppm					
			82.00	84.00	2.00		SCH	73024			624ppm	0.5 ppm					
			84.00	86.00	2.00		SAGD	73025			5530ppm	1.7 ppm					
			86.00	88.00	2.00		METS	73026			957ppm	0.9 ppm					
			88.00	90.00	2.00		GM	73027			1771ppm	0.7 ppm					
			90.00	92.00	2.00		GM	73028			1840ppm	1.3 ppm					
			92.00	94.00	2.00		AGD	73029			2270ppm	2.7 ppm					
			94.00	95.00	1.00		AGD	73030			2890ppm	0.6 ppm					
			95.00	97.00	2.00		SCH	73031			569ppm	0.4 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. 88 -L- 91 PAGE 1 OF 2
 AREA: WEST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 128.93m
 CLAIM: LOGAN 187 NORTHING: -1036.63 DATE STARTED: JULY 29N 1988
 SECTION: 3015 W EASTING: -3016.32 DATE FINISHED: JULY 31D 1988
 CORE SIZE: NQ ELEVATION: 1452.6 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 83 % CORE STORED AT: LOGAN PROP. LOGGED BY: MATT KOKAN
 COMMENTS: HOLE L-91 WAS DRILLED TO TEST A STRONG ZN SOIL GEOCHEMISTRY ANOMALY AND COINCIDENT STRONG I.P. ANOMALY, APPROXIMATELY 24m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED.
 UTM COORDINATES: NORTHING 6705572.04 EASTING 417629.24
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	15.54	15.54		OB										
33.22	-61.00°	176.60°	15.54	22.70	7.16		SAGD										
124.66	-61.50°	180.60°	22.70	25.18	2.48		AGD										
			25.18	31.39	6.21		SAGD										
			31.39	32.64	1.25		METS										
			32.64	35.63	2.99		SAGD										
			35.63	67.18	31.55		METS										
			67.18	72.24	5.06		AGD										
			72.24	77.62	5.38		METS										
			77.62	80.16	2.54		SAGD										
			80.16	81.59	1.43		METS										
			81.59	98.87	17.28		AGD										
			98.87	105.76	6.89		METS										
			105.76	106.98	1.22		GM										
			106.98	109.69	2.71		BX										
			109.69	116.23	6.54		GM										
			116.23	119.63	3.40		AGD										
			119.63	128.93	9.30		METS										
ASSAYS AND ANALYSES																	
			36.00	38.00	2.00		METS	73038			1300ppm	0.1 ppm					
			38.00	40.00	2.00		METS	73039			640ppm	0.1 ppm					
			40.00	42.00	2.00		METS	73040			680ppm	0.2 ppm					
			42.00	44.00	2.00		METS	73041			1200ppm	0.1 ppm					
			44.00	46.00	2.00		METS	73042			330ppm	0.1 ppm					
			66.00	68.00	2.00		METS	73043			720ppm	0.1 ppm					
			68.00	70.00	2.00		AGD	73044			650ppm	0.3 ppm					
			70.00	72.00	2.00		AGD	73045			390ppm	0.1 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. 88 -L- 93 PAGE 1 OF 2
 AREA: WEST ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 123.14m
 CLAIM: LOGAN 11 NORTHING: -418.01 DATE STARTED: AUGUST 5D 1988
 SECTION: 990 W EASTING: -989.57 DATE FINISHED: AUGUST 7D 1988
 CORE SIZE: NQ ELEVATION: 1321.91 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 80 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-93 WAS DRILLED TO TEST A COINCIDENT ZN-AG-SN SOIL GEOCHEMISTRY ANOMALY AND A STRONG I.P. ANOMALY. APPROXIMATELY 62m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 45m OF BARREN ROCK.
 UTM COORDINATES: NORTHING 6707221.43 EASTING 418957.95
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	5.18	5.18		QB										
27.13	-58.50°	175.60°	5.18	6.94	1.76		METS										
118.57	-59.50°	174.10°	6.94	13.98	7.04		AGD										
			13.98	15.17	1.19		MQV										
			15.17	16.89	1.72		METS										
			16.89	18.62	1.73		QV										
			18.62	21.92	3.30		SAGD										
			21.92	23.88	1.96		GM										
			23.88	26.68	2.80		METS										
			26.68	30.30	3.62		AGD										
			30.30	35.05	4.75		METS										
			35.05	47.14	12.09		AGD										
			47.14	51.11	3.97		METS										
			51.11	75.84	24.73		AGD										
			75.84	77.00	1.16		METS										
			77.00	79.00	2.00		AGD										
			79.00	80.39	1.39		GM										
			80.39	83.32	2.93		METS										
			83.32	98.89	15.57		AGD										
			98.89	100.25	1.36		METS										
			100.25	107.51	7.26		AGD										
			107.51	120.95	13.44		METS										
			120.95	123.14	2.19		AGD										
ASSAYS AND ANALYSES																	
			13.00	14.00	1.00		AGD	73050			560ppm	0.5 ppm					
			14.00	15.00	1.00		MQV	73051			290ppm	6.0 ppm					
			15.00	16.00	1.00		METS	73052			500ppm	1.3 ppm					
CONTINUED																	

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 88 - 93 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			16.00	17.00	1.00		METS	73053			168ppm	0.4 ppm					
			17.00	18.00	1.00		GV	73054			81ppm	0.6 ppm					
			18.00	19.00	1.00		GV	73055			260ppm	0.2 ppm					
			19.00	21.00	2.00		SAGD	73056			370ppm	0.1 ppm					
			21.00	23.00	2.00		GM	73057			1350ppm	0.3 ppm					
			23.00	25.00	2.00		METS	73058			840ppm	0.5 ppm					
			25.00	27.00	2.00		METS	73059			2400ppm	0.2 ppm					
			27.00	29.00	2.00		AGD	73060			720ppm	0.1 ppm					
			29.00	31.00	2.00		AGD	73061			2000ppm	0.1 ppm					
			42.00	44.00	2.00		AGD	73062			790ppm	0.8 ppm					
			44.00	46.00	2.00		AGD	73063			225ppm	0.2 ppm					
			46.00	48.00	2.00		AGD	73064			880ppm	0.2 ppm					
			53.00	55.00	2.00		AGD	73065			1700ppm	0.2 ppm					
			55.00	57.00	2.00		AGD	73066			3400ppm	0.7 ppm					
			57.00	59.00	2.00		AGD	73067			1500ppm	0.1 ppm					
			59.00	61.00	2.00		AGD	73068			450ppm	0.2 ppm					
			61.00	63.00	2.00		AGD	73069			2600ppm	0.2 ppm					
			63.00	65.00	2.00		AGD	73070			690ppm	0.1 ppm					
			65.00	67.00	2.00		AGD	73071			1850ppm	0.2 ppm					
			67.00	68.00	1.00		AGD	73072			14000ppm	1.7 ppm					
			68.00	70.00	2.00		AGD	73073			640ppm	0.1 ppm					

PROPERTY LOGAN D.D.H. 88 -L- 94 PAGE 1 OF 1

AREA: WEST ZONE DIP: -60° AZIMUTH (t): 180° DEPTH: 123.14m

CLAIM: LOGAN 15 NORTHING: -144.26 DATE STARTED: AUGUST 8D 1988

SECTION: 1985 W EASTING: -1982.82 DATE FINISHED: AUGUST 10D 1988

CORE SIZE: NQ ELEVATION: 1351.09 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 71 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY

COMMENTS: HOLE 88-L-94 WAS DRILLED TO TEST A LARGE, STRONG ZN SOIL GEOCHEMISTRY ANOMALY ON THE NORTH SLOPE OF MT. TINDLE, APPROXIMATELY 30m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 20m OF BARREN ROCK,

UTM COORDINATES: NORTHING 6706890.19 EASTING 417982.90

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00°	0.00	5.74	5.74		DB										
28.04	-60.00°	180.60°	5.74	30.16	24.42		GM										
119.48	-61.50°	178.60°	30.16	66.89	36.73		SAGD										
			66.89	93.13	26.24		AGD										
			93.13	100.58	7.45		SAGD										
			100.58	123.14	22.56		AGD										
ASSAYS AND ANALYSES																	
			64.00	66.00	2.00		SAGD	73074			620ppm	0.9 ppm					
			66.00	67.00	1.00		SAGD	73075			1650ppm	0.7 ppm					
			67.00	69.00	2.00		AGD	73076			960ppm	0.2 ppm					
			88.00	90.00	2.00		AGD	73077			109ppm	0.1 ppm					
			90.00	92.00	2.00		AGD	73078			1780ppm	0.3 ppm					
			92.00	93.00	1.00		BX	73079			2900ppm	2.1 ppm					
			93.00	95.00	2.00		SAGD	73080			800ppm	0.3 ppm					
			95.00	97.00	2.00		SAGD	73081			940ppm	0.3 ppm					
			97.00	99.00	2.00		SAGD	73082			6700ppm	7.6 ppm					
			99.00	101.00	2.00		SAGD	73083			3900ppm	1.1 ppm					
			101.00	103.00	2.00		AGD	73084			2000ppm	0.4 ppm					
			103.00	105.00	2.00		AGD	73085			2600ppm	0.4 ppm					
			105.00	107.00	2.00		AGD	73086			5200ppm	0.6 ppm					

PROPERTY LOGAN D.D.H. 88 -L- 95 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: -50 ° AZIMUTH (I): 180 ° DEPTH: 141.73m
 CLAIM: LOGAN 5 NORTHING: 170.27 DATE STARTED: AUGUST 10N 1988
 SECTION: 890 E EASTING: 887.49 DATE FINISHED: AUGUST 12N 1988
 CORE SIZE: NQ ELEVATION: 1373.45 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 85 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-95 WAS DRILLED TO TEST A STRONG COINCIDENT I.P. AND ZN SOIL GEOCHEMISTRY ANOMALY, AND TO TEST FOR STRUCTURES PARALLEL TO THE MAIN ZONE, APPROXIMATELY 40m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED, 15m OF WHICH WAS EXTERNAL TO THE MAIN ZONE DEPOSIT.
UTM COORDINATES: NORTHING 6708761.70 EASTING 420179.89
NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-50.00°	180.00°	0.00	6.71	6.71		OB										
22.25	-50.00°	180.60°	6.71	7.89	1.18		GV										
138.07	-51.00°	178.60°	7.89	9.59	1.70		FDBX										
			9.59	12.15	2.56		AFD										
			12.15	25.60	13.45		SAGD										
			25.60	34.94	9.34		GM										
			34.94	38.78	3.84		SAGD										
			38.78	47.66	8.88		AGD										
			47.66	51.97	4.31		SAGD										
			51.97	81.00	29.03		AGD										
			81.00	82.37	1.37		SAGD										
			82.37	111.31	28.94		AGD										
			111.31	141.73	30.42		GD										
ASSAYS AND ANALYSES																	
			7.00	8.00	1.00		GV	73087			385ppm	23.7 ppm					
			8.00	9.00	1.00		FDBX	73088			500ppm	45.4 ppm					
			9.00	10.00	1.00		FDBX	73089			500ppm	36.8 ppm					
			10.00	11.00	1.00		AFD	73090			660ppm	17.8 ppm					
			11.00	13.00	2.00		SAGD	73091			780ppm	18.0 ppm					
			13.00	14.00	1.00		SAGD	73092			375ppm	10.7 ppm					
			14.00	15.00	1.00		SAGD	73093			368ppm	7.3 ppm					
			15.00	17.00	2.00		SAGD	73094			580ppm	13.4 ppm					
			17.00	19.00	2.00		SAGD	73095			10800ppm	6.5 ppm					
			19.00	20.00	1.00		SAGD	73096			4600ppm	10.0 ppm					
			20.00	21.00	1.00		SAGD	73097			1420ppm	4.3 ppm					
			21.00	22.00	1.00		SAGD	73098			1060ppm	4.3 ppm					
			22.00	23.00	1.00		SAGD	73099			780ppm	4.7 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. 88 -L- 96 PAGE 1 OF 1

AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 121.62m

CLAIM: LOGAN 5 NORTHING: 93.66 DATE STARTED: AUGUST 13D 1988

SECTION: 785 E EASTING: 779.45 DATE FINISHED: AUGUST 14N 1988

CORE SIZE: NQ ELEVATION: 1372.18 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 85 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY

COMMENTS: HOLE L-96 WAS DRILLED TO TEST A STRONG I.P. ANOMALY AND COINCIDENT ZN SOIL GEOCHEMISTRY ANOMALY, AND TO TEST FOR STRUCTURES PARALLEL TO THE MAIN DEPOSIT, APPROXIMATELY 3m OF WEAK PYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 30m OF BARREN ROCK.

UTM COORDINATES: NORTHING 6708637.69 EASTING 420133.56

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (I)	From (m)	To (m)	Int.(m)	T.W(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	180.00°	0.00	3.35	3.35		DB											
20.42	-60.00°	174.60°	3.35	18.73	15.38		GD											
117.96	-60.50°	175.60°	18.73	20.38	1.65		AGD											
			20.38	22.20	1.82		SAGD											
			22.20	31.18	8.98		AGD											
			31.18	32.76	1.58		GM											
			32.76	49.53	16.77		AGD											
			49.53	58.59	9.06		GD											
			58.59	61.75	3.16		AGD											
			61.75	69.87	8.12		GD											
			69.87	81.02	11.15		AGD											
			81.02	82.18	1.16		SAGD											
			82.18	85.15	2.97		AGD											
			85.15	88.98	3.83		SAGD											
			88.98	90.33	1.35		AGD											
			90.33	90.53	0.20		MGV											
			90.53	97.10	6.57		AGD											
			97.10	99.29	2.19		SAGD											
			99.29	121.62	22.33		AGD											
ASSAYS AND ANALYSES																		
			89.00	90.00	1.00		AGD	73115			1077ppm	0.8 ppm						
			90.00	90.50	0.50		MGV	73116			8.10	2.09						
			90.50	91.50	1.00		AGD	73117			1064ppm	0.4 ppm						

PROPERTY: LOGAN D.D.H. 88 -L- 97 PAGE 1 OF 1
 AREA: MAIN ZONE DIP: -60 ° AZIMUTH (I): 180 ° DEPTH: 122.22m
 CLAIM: LOGAN 6 NORTHING: -78.08 DATE STARTED: AUGUST 15D 1988
 SECTION: B90 E EASTING: 884.97 DATE FINISHED: AUGUST 16N 1988
 CORE SIZE: NQ ELEVATION: 1345.6 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 87 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-97 WAS DRILLED TO TEST A COINCIDENT ZN SOIL GEOCHEMISTRY AND STRONG I.P. ANOMALY, AND TO TEST FOR STRUCTURES PARALLEL TO THE MAIN ZONE DEPOSIT.
NO SIGNIFICANT MINERALIZATION WAS INTERSECTED, AND NO SAMPLES WERE TAKEN. THE HOLE WAS TERMINATED AT THE TARGET DEPTH OF 400 FEET.
 UTM COORDINATES: NORTHING 6708554.91 EASTING 420317.23
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	180.00	0.00	2.44	2.44		OB										
20.42	-60.00°	174.60	2.44	15.58	13.14		AGD										
117.96	-60.50°	175.60	15.58	18.35	2.77		SAGD										
			18.35	28.88	10.53		GD										
			28.88	30.22	1.34		AGD										
			30.22	33.50	3.28		GD										
			33.50	37.12	3.62		SAGD										
			37.12	50.95	13.83		GD										
			50.95	53.94	2.99		AGD										
			53.94	77.42	23.48		GD										
			77.42	78.43	1.01		AGD										
			78.43	109.93	31.50		GD										
			109.93	113.85	3.92		AGD										
			113.85	122.22	8.37		GD										

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: <u>LOGAN</u>	D.D.H. <u>88 -L- 98</u>	PAGE <u>1</u>	OF <u>1</u>
AREA: <u>MAIN ZONE</u>	DIP: <u>-60 °</u> AZIMUTH (I): <u>90 °</u>	DEPTH: <u>145.08m</u>	
CLAIM: <u>LOGAN 1</u>	NORTHING: <u>-1.57</u>	DATE STARTED: <u>AUGUST 17D 1988</u>	
SECTION: <u>0 N</u>	EASTING: <u>-85.59</u>	DATE FINISHED: <u>AUGUST 19D 1988</u>	
CORE SIZE: <u>NQ</u>	ELEVATION: <u>1344.12 m</u>	CONTRACTOR: <u>ARCTIC DIAMOND DRILLING LTD</u>	
CORE RECOVERY: <u>88 %</u>	CORE STORED AT: <u>LOGAN PROP.</u>	LOGGED BY: <u>PAUL CONROY</u>	
COMMENTS: <u>HOLE L-98 WAS DRILLED TO TEST FOR POSSIBLE STRUCTURES CROSS-CUTTING TO THE MAIN ZONE DEPOSIT. APPROXIMATELY 30m OF WEAK PYRITE-SPHALERITE-CHALCOPYRITE MINERALIZATION WAS INTERSECTED, THE HOLE WAS TERMINATED AFTER DRILLING 10m OF BARREN ROCK.</u>			
UTM COORDINATES: <u>NORTHING 6708073.32 EASTING 419471.71</u>			
NOTE: <u>All azimuths are set relative to grid north - 324.41° TN</u>			

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	90.00°	0.00	3.65	3.65		OB										
19.51	-60.00°	86.60°	3.65	10.06	6.41		AGD										
141.43	-61.00°	87.60°	10.06	16.74	6.68		GM										
			16.74	40.32	23.58		AGD										
			40.32	67.89	27.57		GD										
			67.89	70.41	2.52		AGD										
			70.41	74.70	4.29		GD										
			74.70	78.51	3.81		AGD										
			78.51	81.37	2.86		GM										
			81.37	145.08	63.71		AGD										
ASSAYS AND ANALYSES																	
			4.00	5.00	1.00		AGD	73118			16500ppm	9.2 ppm					
			35.00	37.00	2.00		AGD	73119			480ppm	0.3 ppm					
			37.00	38.00	1.00		AGD	73120			1050ppm	1.4 ppm					
			38.00	40.00	2.00		AGD	73121			520ppm	0.4 ppm					
			85.00	87.00	2.00		AGD	73122			7300ppm	6.4 ppm					
			87.00	89.00	2.00		AGD	73123			4200ppm	1.4 ppm					
			89.00	90.00	1.00		AGD	73124			10000ppm	5.5 ppm					
			101.50	103.50	2.00		AGD	73125			540ppm	0.2 ppm					
			103.50	104.50	1.00		AGD	73126			3.11	21.0 ppm					
			104.50	106.50	2.00		AGD	73127			460ppm	0.2 ppm					
			131.00	133.00	2.00		AGD	73128			2600ppm	0.8 ppm					
			133.00	134.00	1.00		AGD	73129			4000ppm	1.1 ppm					
			134.00	136.00	2.00		AGD	73130			205ppm	0.2 ppm					

PROPERTY LOGAN D.D.H. L 88 - 99 PAGE 2 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA	GEOLOGY AND ASSAY RECORD														
	VALUES BELOW IN PPM UNLESS NOTED														

Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			201.69	205.64	3.95		AGD										
			205.64	207.88	2.24		GM										
			207.88	216.71	8.83		AGD										
			216.71	220.37	3.66		GM										
			220.37	221.03	0.66		AFD										
			221.03	222.36	1.33		GM										
			222.36	229.07	6.71		AGD										
			229.07	232.35	3.28		MQV										
			232.35	264.31	31.96		AGD										
			264.31	266.48	2.17		MQV										
			266.48	270.56	4.08		SCH										
			270.56	289.41	18.85		AGD										
			289.41	291.80	2.39		SCH										
			291.80	299.18	7.38		AGD										
			299.18	311.93	12.75		DIBX										
			311.93	315.87	3.94		AFD										
			315.87	319.43	3.56		BX										
			319.43	321.15	1.72		MBX										
			321.15	322.07	0.92		QV										
			322.07	325.40	3.33		GM										
			325.40	326.35	0.95		MBX										
			326.35	333.44	7.09		MQV										
			333.44	335.17	1.73		AV										
			335.17	348.69	13.52		AGD										

ASSAYS AND ANALYSES

			180.00	182.00	2.00		AGD	73131			0.64	0.19					
			182.00	184.00	2.00		GM	73132			0.36	0.09					
			184.00	186.00	2.00		AGD	73133			0.40	0.04					

CONTINUED

PROPERTY LOGAN D.D.H. L 88 - 99 PAGE 3 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			186.00	188.00	2.00		AGD	73134			0.44	0.14						
			188.00	190.00	2.00		BX	73135			0.47	0.10						
			190.00	192.00	2.00		BX	73136			0.40	0.22						
			192.00	194.00	2.00		BX	73137			0.39	0.16						
			194.00	196.00	2.00		MBX	73138			0.59	0.12						
			196.00	200.00	4.00		GM	73139			0.23	0.12						
			200.00	202.00	2.00		MBX	73140			0.53	0.14						
			202.00	204.00	2.00		AGD	73141			0.12	0.05						
			204.00	206.00	2.00		AGD	73142			1.46	0.17						
			206.00	208.00	2.00		GM	73143			1.16	0.25						
			208.00	210.00	2.00		AGD	73144			1.90	0.40						
			210.00	212.00	2.00		AGD	73145			1.72	0.90						
			212.00	214.00	2.00		AGD	73146			1.02	0.16						
			214.00	216.00	2.00		AGD	73147			0.98	0.13						
			216.00	218.00	2.00		GM	73148			0.78	0.16						
			218.00	220.00	2.00		GM	73149			0.72	0.16						
			220.00	222.00	2.00		AFD	73150			0.51	0.10						
			222.00	224.00	2.00		AGD	73151			0.56	0.05						
			224.00	226.00	2.00		AGD	73152			0.88	0.05						
			226.00	227.00	1.00		AGD	73153			0.37	0.04						
			227.00	228.00	1.00		AGD	73154			1.26	0.12						
			228.00	229.00	1.00		AGD	73155			2.20	0.37						
			229.00	230.00	1.00		MQV	73156			1.80	1.21						
			230.00	231.00	1.00		MQV	73157			2.59	0.81						
			231.00	232.00	1.00		MQV	73158			0.26	0.57						
			232.00	233.00	1.00		AGD	73159			0.38	0.13						
			233.00	234.00	1.00		AGD	73160			0.88	0.32						
			234.00	235.00	1.00		AGD	73161			0.68	0.10						
			235.00	236.00	1.00		AGD	73162			0.48	0.13						
			236.00	237.00	1.00		AGD	73163			0.33	0.20						
			237.00	238.00	1.00		AGD	73164			0.25	0.11						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 88 - 99 PAGE 4 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			238.00	240.00	2.00		AGD	73165			0.52	0.17					
			240.00	242.00	2.00		AGD	73166			0.31	0.08					
			242.00	244.00	2.00		AGD	73167			1.11	0.11					
			244.00	246.00	2.00		AGD	73168			0.37	0.19					
			246.00	248.00	2.00		AGD	73169			0.70	0.19					
			248.00	250.00	2.00		AGD	73170			0.70	0.23					
			250.00	252.00	2.00		AGD	73171			1.36	0.15					
			252.00	253.00	1.00		AGD	73172			0.47	0.15					
			253.00	254.00	1.00		AGD	73173			0.70	0.10					
			254.00	255.00	1.00		AGD	73174			1.12	0.11					
			255.00	256.00	1.00		AGD	73175			0.49	0.17					
			256.00	257.00	1.00		AGD	73176			1.22	0.26					
			257.00	258.00	1.00		AGD	73177			0.88	0.14					
			258.00	259.00	1.00		AGD	73178			1.71	0.48					
			259.00	260.00	1.00		AGD	73179			0.86	0.04					
			260.00	261.00	1.00		AGD	73180			0.51	0.03					
			261.00	262.00	1.00		AGD	73181			0.50	0.03					
			262.00	263.00	1.00		AGD	73182			0.44	0.03					
			263.00	264.00	1.00		AGD	73183			0.72	0.08					
			264.00	265.00	1.00		MQV	73184			0.35	0.10					
			265.00	266.00	1.00		MQV	73185			8.19	2.21					
			266.00	267.00	1.00		SCH	73186			1.50	0.73					
			267.00	268.00	1.00		SCH	73187			11.74	0.28					
			268.00	269.00	1.00		SCH	73188			2.05	0.13					
			269.00	270.00	1.00		SCH	73189			0.45	0.07					
			270.00	271.00	1.00		SCH	73190			1.15	0.09					
			271.00	272.00	1.00		AGD	73191			6.50	0.38					
			272.00	273.00	1.00		AGD	73192			4.25	0.10					
			273.00	274.00	1.00		AGD	73193			13.08	0.43					
			274.00	275.00	1.00		AGD	73194			1.04	0.04					
			275.00	276.00	1.00		AGD	73195			0.66	0.03					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 99 PAGE 5 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	VALUES BELOW IN PPM UNLESS NOTED				Au oz/t
													Sn	Cu	Pb	As	
			276.00	277.00	1.00		AGD	73196			0.69	0.04					
			277.00	278.00	1.00		AGD	73197			0.73	< 0.02					
			278.00	280.00	2.00		AGD	73198			0.63	0.08					
			280.00	282.00	2.00		AGD	73199			0.34	0.04					
			282.00	284.00	2.00		AGD	73200			0.56	0.09					
			284.00	286.00	2.00		AGD	73201			0.20	0.03					
			286.00	288.00	2.00		AGD	73202			0.16	0.06					
			288.00	290.00	2.00		AGD	73203			0.14	0.03					
			290.00	292.00	2.00		SCH	73204			0.22	0.03					
			292.00	294.00	2.00		AGD	73205			0.20	0.04					
			294.00	296.00	2.00		AGD	73206			0.48	0.05					
			296.00	298.00	2.00		AGD	73207			0.19	0.11					
			298.00	300.00	2.00		AGD	73208			0.18	0.06					
			300.00	302.00	2.00		DIBX	73209			0.44	0.05					
			302.00	304.00	2.00		DIBX	73210			0.32	0.25					
			304.00	306.00	2.00		DIBX	73211			0.15	0.06					
			306.00	308.00	2.00		DIBX	73212			0.31	0.04					
			308.00	310.00	2.00		DIBX	73213			0.66	0.09					
			310.00	312.00	2.00		DIBX	73214			0.78	0.22					
			312.00	314.00	2.00		AFD	73215			0.56	0.04					
			314.00	316.00	2.00		AFD	73216			0.47	0.06					
			316.00	318.00	2.00		BX	73217			0.32	0.08					
			318.00	320.00	2.00		BX	73218			0.98	0.15					
			320.00	322.00	2.00		MBX	73219			0.51	0.06					
			322.00	324.00	2.00		GM	73220			0.31	0.03					
			324.00	325.00	1.00		GM	73221			0.16	< 0.02					
			325.00	326.00	1.00		MBX	73222			1.10	0.21					
			326.00	327.00	1.00		MQV	73223			4.40	1.52					
			327.00	328.00	1.00		MQV	73224			1.34	1.28					
			328.00	329.00	1.00		MQV	73225			0.78	0.13					
			329.00	330.00	1.00		MQV	73226			1.18	0.11					
								CONTINUED									

CORDILERA ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. L 88 - 99 PAGE 6 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA **GEOLOGY AND ASSAY RECORD** ; VALUES BELOW IN PPM UNLESS NOTED ;

Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			330.00	331.00	1.00		MBV	73227			1.70	1.21					
			331.00	332.00	1.00		MBV	73228			0.52	0.24					
			332.00	333.00	1.00		MBV	73229			0.40	0.06					
			333.00	334.00	1.00		AV	73230			1.07	1.45					
			334.00	335.00	1.00		AV	73231			1.42	0.78					
			335.00	336.00	1.00		AGD	73232			0.66	0.10					
			336.00	338.00	2.00		AGD	73233			0.36	0.02					
								AVERAGES									
			262.00	280.00	18.00						3.04	0.27					
			265.00	275.00	10.00						4.99	0.45					
			265.00	268.00	3.00						7.14	1.07					
			271.00	274.00	3.00						7.94	0.30					

PROPERTY <u>LOGAN</u>	D.D.H. <u>88 -L- 100</u>	PAGE <u>1</u>	OF <u>5</u>
AREA: <u>MAIN ZONE</u>	DIP: <u>-60 °</u> AZIMUTH (I): <u>174.6 °</u>	DEPTH: <u>283.77m</u>	
CLAIM: <u>LOGAN 3</u>	NORTHING: <u>329</u>	DATE STARTED: <u>AUGUST 25N 1988</u>	
SECTION: <u>195 E</u>	EASTING: <u>194</u>	DATE FINISHED: <u>AUGUST 29N 1988</u>	
CORE SIZE: <u>NQ</u>	ELEVATION: <u>1404 m</u>	CONTRACTOR: <u>ARCTIC DIAMOND DRILLING LTD</u>	
CORE RECOVERY: <u>90 %</u>	CORE STORED AT: <u>LOGAN PROP.</u>	LOGGED BY: <u>PAUL CONROY</u>	
COMMENTS: <u>HOLE 88-L-100 WAS DRILLED BEHIND DDH 87-L-32 TO TEST GRADE AND CONTINUITY OF THE MAIN ZONE DEPOSIT AT DEPTH. APPROXIMATELY 135m OF SPHALERITE-PYRITE MINERALIZATION, INCLUDING APPROXIMATELY 30m OF MEDIUM TO HIGH GRADE, WAS INTERSECTED. THE HOLE WAS CLOSED AFTER DRILLING PAST THE FOOTWALL FAULT.</u>			
UTM COORDINATES: <u>NORTHING 6708503 EASTING 419718 (estimated; hole not surveyed)</u>			
NOTE: <u>All azimuths are set relative to grid north - 324.41° TN</u>			

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	174.60°	0.00	6.71	6.71		QB										
21.03	-60.00°	174.60°	6.71	124.97	118.26		AGD										
83.21	-61.50°	172.60°	124.97	126.63	1.66		GM										
135.64	-61.00°	172.60°	126.63	190.04	63.41		AGD										
193.24	-61.00°	173.60°	190.04	195.46	5.42		SCH										
253.59	-61.00°	172.60°	195.46	197.25	1.79		MGV										
			197.25	200.60	3.35		SCH										
			200.60	203.17	2.57		AGD										
			203.17	204.63	1.46		SCH										
			204.63	216.28	11.65		AGD										
			216.28	219.03	2.75		MGV										
			219.03	229.41	10.38		AGD										
			229.41	230.92	1.51		MS										
			230.92	236.92	6.00		AFD										
			236.92	250.70	13.78		AGD										
			250.70	252.20	1.50		MBX										
			252.20	254.36	2.16		AFD										
			254.36	256.06	1.70		BX										
			256.06	257.36	1.30		QBX										
			257.36	258.66	1.30		FQP										
			258.66	261.00	2.34		GM										
			261.00	271.88	10.88		AGD										
			271.88	283.77	11.89		GD										
ASSAYS AND ANALYSES																	
			124.00	126.00	2.00		GM	73234			0.20	0.02					
			126.00	128.00	2.00		AGD	73235			1.13	0.07					
			128.00	130.00	2.00		AGD	73236			2.00	0.09					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 100 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			130.00	132.00	2.00		AGD	73237			1.82	0.12					
			132.00	134.00	2.00		AGD	73238			0.79	0.02					
			134.00	136.00	2.00		AGD	73239			0.60	0.04					
			136.00	138.00	2.00		AGD	73240			0.88	0.28					
			138.00	140.00	2.00		AGD	73241			1.04	0.14					
			140.00	142.00	2.00		AGD	73242			2.21	0.07					
			142.00	144.00	2.00		AGD	73243			0.95	0.07					
			144.00	146.00	2.00		AGD	73244			1.33	0.27					
			146.00	148.00	2.00		AGD	73245			1.03	0.05					
			148.00	150.00	2.00		AGD	73246			0.38	0.02					
			150.00	152.00	2.00		AGD	73247			0.47	0.05					
			152.00	154.00	2.00		AGD	73248			0.25	0.02					
			154.00	156.00	2.00		AGD	73249			0.35	< 0.02					
			156.00	158.00	2.00		AGD	73250			0.43	< 0.02					
			158.00	160.00	2.00		AGD	73251			0.84	0.05					
			160.00	162.00	2.00		AGD	73252			0.64	0.29					
			162.00	164.00	2.00		AGD	73253			0.14	0.03					
			164.00	166.00	2.00		AGD	73254			0.02	0.02					
			166.00	168.00	2.00		AGD	73255			0.64	0.05					
			168.00	170.00	2.00		AGD	73256			1.61	0.21					
			170.00	172.00	2.00		AGD	73257			0.25	< 0.02					
			172.00	174.00	2.00		AGD	73258			0.32	0.03					
			174.00	176.00	2.00		AGD	73259			0.47	0.05					
			176.00	178.00	2.00		AGD	73260			0.99	0.05					
			178.00	180.00	2.00		AGD	73261			0.89	0.06					
			180.00	182.00	2.00		AGD	73262			1.20	0.29					
			182.00	184.00	2.00		AGD	73263			1.22	0.10					
			184.00	186.00	2.00		AGD	73264			1.28	0.07					
			186.00	188.00	2.00		AGD	73265			1.07	0.07					
			188.00	190.00	2.00		AGD	73266			0.97	0.12					
			190.00	192.00	2.00		SCH	73267			0.81	0.15					

CONTINUED

PROPERTY LOGAN D.D.H. L 88 - 100 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			227.00	228.00	1.00		AGD	73299			5.20	1.29					
			228.00	229.00	1.00		AGD	73300			4.62	0.20					
			229.00	230.00	1.00		MS	73301			34.05	1.40					
			230.00	231.00	1.00		MS	73302			12.75	0.38					
			231.00	232.00	1.00		AFD	73303			5.94	0.42					
			232.00	233.00	1.00		AFD	73304			2.30	0.35					
			233.00	234.00	1.00		AFD	73305			5.00	0.44					
			234.00	235.00	1.00		AFD	73306			1.28	0.28					
			235.00	236.00	1.00		AFD	73307			0.80	0.17					
			236.00	237.00	1.00		AFD	73308			3.55	0.32					
			237.00	238.00	1.00		AGD	73309			5.70	0.53					
			238.00	239.00	1.00		AGD	73310			8.00	0.47					
			239.00	240.00	1.00		AGD	73311			3.17	0.10					
			240.00	241.00	1.00		AGD	73312			1.85	0.06					
			241.00	242.00	1.00		AGD	73313			4.30	0.29					
			242.00	243.00	1.00		AGD	73314			6.79	0.20					
			243.00	244.00	1.00		AGD	73315			12.70	0.85					
			244.00	245.00	1.00		MQV	73316			7.60	0.44					
			245.00	246.00	1.00		AGD	73317			22.42	0.55					
			246.00	247.00	1.00		AGD	73318		16.19	17.94	0.81					
			247.00	248.00	1.00		AGD	73319			13.20	0.75					
			248.00	249.00	1.00		AGD	73320			26.84	1.03					
			249.00	250.00	1.00		AGD	73321			12.30	0.54					
			250.00	251.00	1.00		AGD	73322			16.49	0.73					
			251.00	252.00	1.00		MBX	73323			6.76	0.63					
			252.00	253.00	1.00		AFD	73324			1.90	0.18					
			253.00	254.00	1.00		AFD	73325			1.50	0.10					
			254.00	255.00	1.00		BX	73326			1.24	0.06					
			255.00	257.00	2.00		QBX	73327			0.67	0.07					
			257.00	259.00	2.00		FQP	73328			0.09	0.02					
			259.00	261.00	2.00		GM	73329			0.08	0.02					

CONTINUED

PROPERTY LOGAN D.D.H. L 88 - 100 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
								AVERAGES									
			124.00	261.00	137.00						3.13	0.23					
			178.00	254.00	76.00						5.04	0.35					
			201.00	252.00	51.00						7.07	0.41					
			201.00	205.00	4.00						11.03	0.22					
			229.00	252.00	23.00						10.08	0.51					
			201.00	204.00	3.00						14.50	0.28					
			228.00	232.00	4.00						14.34	0.60					
			242.00	252.00	10.00						14.30	0.65					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY	LOGAN	D.D.H.	SB -L- 101	PAGE	1	OF	4
AREA:	MAIN ZONE	DIP:	-60 °	AZIMUTH (t):	174.6 °	DEPTH:	315.32m
CLAIM:	LOGAN 2	NORTHING:	388	DATE STARTED:	AUGUST 30D 1988		
SECTION:	200 W	EASTING:	-190	DATE FINISHED:	SEPTEMBER 4D 1988		
CORE SIZE:	NQ	ELEVATION:	1396.5 m	CONTRACTOR:	ARCTIC DIAMOND DRILLING LTD		
CORE RECOVERY:	92 %	CORE STORED AT:	LOGAN PROP.	LOGGED BY:	PAUL CONROY		

COMMENTS: HOLE L-101 WAS DRILLED BEHIND DDH 87-L-21 TO TEST GRADE AND CONTINUITY OF THE MAIN ZONE DEPOSIT AT DEPTH. APPROXIMATELY 110m OF LOW TO MODERATE GRADE SPHALERITE-ARSENOPYRITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER PASSING 4m BEYOND THE FOOTWALL FAULT.

UTM COORDINATES: NORTHING 6708337.2 EASTING 419165.8 (estimated; hole not surveyed)

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	-60.00°	174.60°	0.00	6.71	6.71		OB											
33.22	-60.00°	174.60°	6.71	62.79	56.08		AGD											
107.90	-61.00°	173.60°	62.79	64.78	1.99		SAGD											
190.20	-60.50°	174.60°	64.78	73.40	8.62		AGD											
254.20	-61.00°	170.60°	73.40	79.71	6.31		SAGD											
312.12	-61.50°	171.60°	79.71	168.86	89.15		AGD											
			168.86	174.04	5.18		SAGD											
			174.04	198.17	24.13		AGD											
			198.17	199.86	1.69		GM											
			199.86	204.02	4.16		AGD											
			204.02	209.92	5.90		AFD											
			209.92	211.62	1.70		AGD											
			211.62	213.00	1.38		MBX											
			213.00	215.26	2.26		MQV											
			215.26	222.54	7.28		AGD											
			222.54	224.54	2.00		QV											
			224.54	264.41	39.87		AGD											
			264.41	265.90	1.49		SCH											
			265.90	281.53	15.63		AGD											
			281.53	283.49	1.96		QV											
			283.49	288.00	4.51		MBX											
			288.00	300.34	12.34		AGD											
			300.34	301.37	1.03		SCH											
			301.37	306.35	4.98		AGD											
			306.35	311.57	5.22		GM											
			311.57	315.32	3.75		AGD											

ASSAYS AND ANALYSES

CONTINUED

PROPERTY LOGAN D.D.H. L 88 - 101 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			202.00	204.00	2.00		AGD	73330			0.10	< 0.02					
			204.00	206.00	2.00		AFD	73331			0.28	0.02					
			206.00	208.00	2.00		AFD	73332			0.17	0.02					
			208.00	210.00	2.00		AFD	73333			0.68	0.03					
			210.00	211.00	1.00		AGD	73334			0.26	0.02					
			211.00	212.00	1.00		AGD	73335			0.80	0.09					
			212.00	213.00	1.00		MBX	73336			1.70	0.22					
			213.00	214.00	1.00		MQV	73337			1.90	0.17					
			214.00	215.00	1.00		MQV	73338			1.83	0.38					
			215.00	216.00	1.00		AGD	73339			0.48	0.06					
			216.00	218.00	2.00		AGD	73340			0.74	0.33					
			218.00	220.00	2.00		AGD	73341			0.37	0.03					
			220.00	222.00	2.00		AGD	73342			0.02	0.02					
			222.00	224.00	2.00		QV	73343			0.20	< 0.02					
			224.00	226.00	2.00		AGD	73344			0.51	0.05					
			226.00	228.00	2.00		AGD	73345			1.14	0.06					
			228.00	230.00	2.00		AGD	73346			0.52	0.04					
			230.00	232.00	2.00		AGD	73347			0.45	0.05					
			232.00	234.00	2.00		AGD	73348			0.58	0.03					
			234.00	236.00	2.00		AGD	73349			0.78	0.03					
			236.00	238.00	2.00		AGD	73350			0.36	0.03					
			238.00	240.00	2.00		AGD	73351			0.46	0.03					
			240.00	242.00	2.00		AGD	73352			0.01	0.02					
			242.00	244.00	2.00		AGD	73353			0.01	< 0.02					
			244.00	246.00	2.00		AGD	73354			0.22	< 0.02					
			246.00	248.00	2.00		AGD	73355			0.74	0.03					
			248.00	250.00	2.00		AGD	73356			0.34	< 0.02					
			250.00	252.00	2.00		AGD	73357			0.44	< 0.02					
			252.00	254.00	2.00		AGD	73358			0.24	< 0.02					
			254.00	256.00	2.00		AGD	73359			0.44	< 0.02					
			256.00	258.00	2.00		AGD	73360			0.49	0.04					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 101 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			258.00	260.00	2.00		AGD	73361			0.46	0.02					
			260.00	262.00	2.00		AGD	73362			0.44	< 0.02					
			262.00	264.00	2.00		AGD	73363			0.20	< 0.02					
			264.00	266.00	2.00		SCH	73364			0.28	< 0.02					
			266.00	268.00	2.00		AGD	73365			0.24	< 0.02					
			268.00	270.00	2.00		AGD	73366			0.13	< 0.02					
			270.00	272.00	2.00		AGD	73367			0.12	0.02					
			272.00	274.00	2.00		AGD	73368			0.06	< 0.02					
			274.00	276.00	2.00		AGD	73369			0.10	< 0.02					
			276.00	278.00	2.00		AGD	73370			0.03	< 0.02					
			278.00	280.00	2.00		AGD	73371			0.12	< 0.02					
			280.00	282.00	2.00		AGD	73372			0.06	< 0.02					
			282.00	283.00	1.00		QV	73373			0.02	< 0.02					
			283.00	284.00	1.00		MBX	73374			0.32	0.04					
			284.00	285.00	1.00		MBX	73375			0.88	0.06					
			285.00	286.00	1.00		MBX	73376			0.52	0.05					
			286.00	287.00	1.00		MBX	73377			0.14	0.03					
			287.00	288.00	1.00		MBX	73378			0.18	< 0.02					
			288.00	289.00	1.00		AGD	73379			1.95	0.04					
			289.00	290.00	1.00		AGD	73380			2.48	0.09					
			290.00	291.00	1.00		AGD	73381			0.84	0.02					
			291.00	292.00	1.00		AGD	73382			1.20	0.04					
			292.00	293.00	1.00		AGD	73383			1.28	0.08					
			293.00	294.00	1.00		AGD	73384			1.34	0.07					
			294.00	295.00	1.00		AGD	73385			3.40	0.25					
			295.00	296.00	1.00		AGD	73386			0.48	0.18					
			296.00	297.00	1.00		AGD	73387			0.88	0.18					
			297.00	298.00	1.00		AGD	73388			0.28	0.04					
			298.00	299.00	1.00		AGD	73389			0.28	0.03					
			299.00	300.00	1.00		AGD	73390			0.56	0.02					
			300.00	301.00	1.00		SCH	73391			0.62	0.02					
								CONTINUED									

PROPERTY: LOGAN D.D.H. 88 -L- 102 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: -60° AZIMUTH (I): 176.6° DEPTH: 298.70m
 CLAIM: LOGAN 3 NORTHING: 359.5 DATE STARTED: SEPTEMBER 4N 1988
 SECTION: 275 E EASTING: 279.5 DATE FINISHED: SEPTEMBER 8D 1988
 CORE SIZE: NQ ELEVATION: 1411.5 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 91 % CORE STORED AT: LOGAN PROP. LOGGED BY: PAUL CONROY
 COMMENTS: HOLE L-102 WAS DRILLED ON THE SECTION BELOW DDH 87-L-36 TO TEST GRADE AND CONTINUITY OF THE MAIN ZONE DEPOSIT AT DEPTH. APPROXIMATELY 140m OF LOW TO MODERATE GRADE SPHALERITE-PYRITE-ARSENOPYRITE-CHALCOPYRITE MINERALIZATION WAS INTERSECTED. THE HOLE WAS TERMINATED AFTER DRILLING 10m PAST THE FOOTWALL FAULT.
 UTM COORDINATES: NORTHING 6708576 EASTING 419567.5 (estimated; hole not surveyed)
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	-60.00°	176.60°	0.00	9.75	9.75		QB										
17.98	-60.00°	176.60°	9.75	57.86	48.11		AGD										
97.84	-60.00°	176.60°	57.86	59.28	1.42		QV										
178.00	-60.00°	177.60°	59.28	73.36	14.08		AGD										
229.67	-61.00°	176.60°	73.36	78.47	5.11		SAGD										
293.83	-61.50°	176.60°	78.47	89.60	11.13		AGD										
			89.60	96.15	6.55		GD										
			96.15	101.50	5.35		AGD										
			101.50	109.18	7.68		SAGD										
			109.18	138.86	29.68		AGD										
			138.86	142.28	3.42		SAGD										
			142.28	143.77	1.49		GM										
			143.77	148.49	4.72		AGD										
			148.49	149.83	1.34		QV										
			149.83	165.64	15.81		AGD										
			165.64	175.68	10.04		SCH										
			175.68	188.82	13.14		AGD										
			188.82	213.87	25.05		SCH										
			213.87	217.62	3.75		AGD										
			217.62	220.50	2.88		SCH										
			220.50	239.87	19.37		AGD										
			239.87	245.97	6.10		AFD										
			245.97	268.83	22.86		AGD										
			268.83	271.73	2.90		SCH										
			271.73	280.59	8.86		AGD										
			280.59	281.86	1.27		MQV										
			281.86	283.67	1.81		MBX										
			283.67	287.42	3.75		FDBX										
			287.42	288.70	1.28		GM										
			288.70	292.53	3.83		AGD										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 102 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA | **GEOLOGY AND ASSAY RECORD** | **VALUES BELOW IN PPM UNLESS NOTED**

Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			292.53	298.70	6.17		SAGD										
ASSAYS AND ANALYSES																	
			57.00	58.00	1.00		AGD	73400			0.05	0.03					
			58.00	59.00	1.00		QV	73401			0.35	2.85					
			59.00	60.00	1.00		AGD	73402			0.06	0.23					
			142.00	144.00	2.00		GM	73403			0.68	0.13					
			144.00	146.00	2.00		AGD	73404			3.27	0.18					
			146.00	148.00	2.00		AGD	73405			1.06	0.23					
			148.00	150.00	2.00		QV	73406			0.90	0.07					
			150.00	152.00	2.00		AGD	73407			0.82	0.15					
			152.00	154.00	2.00		AGD	73408			0.86	0.31					
			154.00	156.00	2.00		AGD	73409			2.15	0.66					
			156.00	158.00	2.00		AGD	73410			1.13	0.08					
			158.00	160.00	2.00		AGD	73411			0.89	0.12					
			160.00	162.00	2.00		AGD	73412			0.34	0.04					
			162.00	164.00	2.00		AGD	73413			0.46	0.07					
			164.00	166.00	2.00		AGD	73414			0.16	< 0.02					
			166.00	168.00	2.00		SCH	73415			0.20	0.02					
			168.00	170.00	2.00		SCH	73416			1.40	0.42					
			170.00	172.00	2.00		SCH	73417			0.64	0.04					
			172.00	174.00	2.00		SCH	73418			0.78	0.50					
			174.00	176.00	2.00		SCH	73419			1.34	0.16					
			176.00	177.00	1.00		AGD	73420			0.79	0.05					
			177.00	178.00	1.00		AGD	73421			13.01	2.53					
			178.00	180.00	2.00		AGD	73422			1.24	0.07					
			180.00	182.00	2.00		AGD	73423			0.73	0.04					
			182.00	184.00	2.00		AGD	73424			0.58	0.03					
			184.00	186.00	2.00		AGD	73425			3.45	0.47					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 102 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			186.00	188.00	2.00		AGD	73426			0.72	0.06					
			188.00	190.00	2.00		SCH	73427			0.46	0.05					
			190.00	192.00	2.00		SCH	73428			0.36	0.04					
			192.00	194.00	2.00		SCH	73429			0.61	0.42					
			194.00	196.00	2.00		SCH	73430			0.20	0.02					
			196.00	198.00	2.00		SCH	73431			0.37	2.18					
			198.00	200.00	2.00		SCH	73432			0.45	0.08					
			200.00	202.00	2.00		SCH	73433			1.46	0.23					
			202.00	204.00	2.00		SCH	73434			0.56	0.06					
			204.00	206.00	2.00		SCH	73435			0.38	0.10					
			206.00	208.00	2.00		SCH	73436			0.45	0.04					
			208.00	210.00	2.00		SCH	73437			0.78	0.14					
			210.00	212.00	2.00		SCH	73438			0.68	0.04					
			212.00	214.00	2.00		SCH	73439			0.53	0.04					
			214.00	216.00	2.00		AGD	73440			1.58	0.28					
			216.00	218.00	2.00		AGD	73441			1.64	0.10					
			218.00	220.00	2.00		SCH	73442			0.59	0.11					
			220.00	222.00	2.00		AGD	73443			0.52	0.03					
			222.00	224.00	2.00		AGD	73444			0.70	0.03					
			224.00	226.00	2.00		AGD	73445			0.44	0.06					
			226.00	228.00	2.00		AGD	73446			0.71	0.04					
			228.00	230.00	2.00		AGD	73447			0.50	0.05					
			230.00	232.00	2.00		AGD	73448			0.47	0.26					
			232.00	234.00	2.00		AGD	73449			0.47	0.06					
			234.00	236.00	2.00		AGD	73450			0.28	0.04					
			236.00	238.00	2.00		AGD	73451			0.44	0.10					
			238.00	239.00	1.00		AGD	73452			0.58	0.05					
			239.00	240.00	1.00		AGD	73453			0.89	0.23					
			240.00	241.00	1.00		AFD	73454			1.20	0.12					
			241.00	242.00	1.00		AFD	73455			1.01	0.04					
			242.00	243.00	1.00		AFD	73456			2.00	0.51					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 102 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			243.00	244.00	1.00		AFD	73457			2.85	0.39					
			244.00	245.00	1.00		AFD	73458			0.44	0.05					
			245.00	246.00	1.00		AFD	73459			1.84	0.16					
			246.00	247.00	1.00		AGD	73460			2.90	0.11					
			247.00	248.00	1.00		AGD	73461			3.70	1.51					
			248.00	249.00	1.00		AGD	73462			1.04	0.07					
			249.00	250.00	1.00		AGD	73463			0.14	0.02					
			250.00	251.00	1.00		AGD	73464			0.23	0.04					
			251.00	252.00	1.00		AGD	73465			1.60	0.30					
			252.00	253.00	1.00		AGD	73466			1.14	0.31					
			253.00	254.00	1.00		AGD	73467			0.30	0.04					
			254.00	255.00	1.00		AGD	73468			0.62	0.05					
			255.00	256.00	1.00		AGD	73469			1.14	0.16					
			256.00	257.00	1.00		AGD	73470			1.00	0.25					
			257.00	258.00	1.00		AGD	73471			1.44	0.10					
			258.00	259.00	1.00		AGD	73472			1.95	0.10					
			259.00	260.00	1.00		AGD	73473			0.54	0.09					
			260.00	261.00	1.00		AGD	73474			0.96	0.16					
			261.00	262.00	1.00		AGD	73475			1.34	0.14					
			262.00	263.00	1.00		AGD	73476			10.31	1.69					
			263.00	264.00	1.00		AGD	73477			1.40	0.23					
			264.00	265.00	1.00		AGD	73478			1.02	0.11					
			265.00	266.00	1.00		AGD	73479			0.67	0.03					
			266.00	267.00	1.00		AGD	73480			1.10	0.18					
			267.00	268.00	1.00		AGD	73481			1.60	0.28					
			268.00	269.00	1.00		AGD	73482			0.66	0.08					
			269.00	270.00	1.00		SCH	73483			0.16	0.07					
			270.00	271.00	1.00		SCH	73484			1.07	0.78					
			271.00	272.00	1.00		SCH	73485			1.38	0.45					
			272.00	273.00	1.00		AGD	73486			1.00	0.17					
			273.00	274.00	1.00		AGD	73487			0.70	0.65					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 102 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			274.00	275.00	1.00		AGD	73488			2.30	2.95					
			275.00	276.00	1.00		AGD	73489			2.66	0.32					
			276.00	277.00	1.00		AGD	73490			1.32	0.32					
			277.00	278.00	1.00		AGD	73491			2.62	0.41					
			278.00	279.00	1.00		AGD	73492			1.72	0.37					
			279.00	280.00	1.00		AGD	73493			4.95	1.33					
			280.00	281.00	1.00		AGD	73494			5.98	2.44					
			281.00	282.00	1.00		MQV	73495			7.20	3.43					
			282.00	283.00	1.00		MBX	73496			3.25	0.54					
			283.00	284.00	1.00		MBX	73497			0.64	0.15					
			284.00	285.00	1.00		FDBX	73498			0.56	0.06					
			285.00	286.00	1.00		FDBX	73499			0.55	0.05					
			286.00	287.00	1.00		FDBX	73500			0.24	0.03					
			287.00	288.00	1.00		GM	73501			2.25	0.26					
			288.00	289.00	1.00		GM	73502			0.34	0.04					
			289.00	290.00	1.00		AGD	73503			0.04	< 0.02					
								AVERAGES									
			174.00	180.00	6.00						3.16	0.51					
			260.00	265.00	5.00						3.01	0.47					
			272.00	283.00	11.00						3.06	1.18					
			177.00	180.00	3.00						5.16	0.89					
			279.00	283.00	4.00						5.35	1.94					

PROPERTY LOGAN D.D.H. L 88 - 103 PAGE 3 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			220.00	221.00	1.00		AFD	73520			1.52	0.17					
			221.00	222.00	1.00		MGV	73521			15.57	2.54					
			222.00	223.00	1.00		MGV	73522			6.19	0.32					
			223.00	224.00	1.00		MGV	73523			2.10	0.28					
			224.00	225.00	1.00		MGV	73524			2.95	0.46					
			225.00	226.00	1.00		MGV	73525			2.27	0.16					
			226.00	227.00	1.00		AFD	73526			0.76	0.04					
			227.00	228.00	1.00		AFD	73527			0.75	0.13					
			228.00	229.00	1.00		AGD	73528			0.84	0.04					
			229.00	230.00	1.00		AGD	73529			1.17	0.03					
			230.00	231.00	1.00		AGD	73530			1.95	0.08					
			231.00	232.00	1.00		AGD	73531			0.92	0.02					
			232.00	233.00	1.00		AGD	73532			1.30	0.06					
			233.00	234.00	1.00		AGD	73533			6.44	1.76					
			234.00	235.00	1.00		AGD	73534			7.55	0.59					
			235.00	236.00	1.00		AGD	73535			2.53	0.29					
			236.00	237.00	1.00		AGD	73536			1.45	0.03					
			237.00	238.00	1.00		AGD	73537			3.20	0.63					
			238.00	239.00	1.00		AGD	73538			2.62	0.48					
			239.00	240.00	1.00		AGD	73539			0.97	0.32					
			240.00	241.00	1.00		AGD	73540			1.70	0.08					
			241.00	242.00	1.00		AGD	73541			2.28	0.08					
			242.00	243.00	1.00		AGD	73542			0.63	0.03					
			243.00	244.00	1.00		AGD	73543			0.16	< 0.02					
			244.00	245.00	1.00		GM	73544			0.62	0.04					
			245.00	246.00	1.00		GM	73545			4.35	0.35					
			246.00	247.00	1.00		GM	73546			0.46	0.02					
			247.00	248.00	1.00		SAGD	73547			0.62	< 0.02					
			248.00	249.00	1.00		SAGD	73548			3.60	0.53					
			249.00	250.00	1.00		SAGD	73549			2.00	0.12					
			250.00	251.00	1.00		SAGD	73550			0.38	0.76					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 103 PAGE 4 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			251.00	252.00	1.00		SAGD	73551			0.83	0.68						
			252.00	253.00	1.00		SAGD	73552			1.15	0.03						
			253.00	254.00	1.00		SAGD	73553			1.29	0.15						
			254.00	255.00	1.00		SAGD	73554			0.27	0.57						
			255.00	256.00	1.00		AGD	73555			0.20	0.02						
			256.00	257.00	1.00		AGD	73556			0.54	0.03						
			257.00	258.00	1.00		AGD	73557			0.54	0.03						
			258.00	259.00	1.00		AGD	73558			0.54	0.04						
			259.00	260.00	1.00		AGD	73559			0.34	< 0.02						
			260.00	261.00	1.00		AGD	73560			0.28	< 0.02						
			261.00	262.00	1.00		AGD	73561			0.16	< 0.02						
			262.00	263.00	1.00		AGD	73562			1.28	0.03						
			263.00	264.00	1.00		AGD	73563			0.54	0.04						
			264.00	265.00	1.00		AGD	73564			0.52	1.37						
			265.00	266.00	1.00		AGD	73565			1.42	0.18						
			266.00	267.00	1.00		AGD	73566			1.23	0.04						
			267.00	268.00	1.00		AGD	73567			0.72	0.02						
			268.00	269.00	1.00		AGD	73568			1.90	0.67						
			269.00	270.00	1.00		AGD	73569			0.34	0.02						
			270.00	272.00	2.00		AGD	73570			0.24	0.02						
			272.00	274.00	2.00		AGD	73571			0.22	< 0.02						
			274.00	276.00	2.00		AGD	73572			0.45	0.03						
			276.00	278.00	2.00		AGD	73573			0.45	0.02						
			278.00	280.00	2.00		AGD	73574			0.08	< 0.02						
			280.00	282.00	2.00		AGD	73575			0.35	0.06						
			282.00	284.00	2.00		AGD	73576			0.10	0.02						
			284.00	286.00	2.00		AGD	73577			0.90	0.03						
			286.00	288.00	2.00		SCH	73578			0.51	0.03						
			288.00	290.00	2.00		AGD	73579			0.28	0.02						
			290.00	292.00	2.00		AGD	73580			0.54	0.02						
			292.00	294.00	2.00		AGD	73581			0.13	0.02						
								CONTINUED										

KEY TO LOGAN PROPERTY 1988 SUMMARY TRENCH

AND

DIAMOND DRILL HOLE LOGS

GEOLOGY ABBREVIATIONS

NR	No core recovered
OB	Overburden
GOSSN	Gossan
QV	Quartz vein
AV	Ankerite vein
MQV	Mineralized quartz vein
MAV	Mineralized ankerite vein
MS	Massive sulphide vein
OXBX	Oxidized breccia
QBX	Quartz cemented breccia
ABX	Ankerite cemented breccia
MBX	Mineralized breccia
MQBX	Mineralized quartz cemented breccia
MABX	Mineralized ankerite cemented breccia
DIBX	Diatreme (?) breccia
FDBX	Andesite dyke breccia
FQPBX	Feldspar quartz porphyry breccia
GM	Gouge and mud
LON	Mylonite
SCH	Schist
METS	Undivided metasedimentary rocks
AFD	Altered andesite dyke
FD	Andesite dyke
FQP	Feldspar quartz monzonite/latite porphyry
SAGD	Strongly altered granodiorite
AGD	Altered granodiorite
GD	Granodiorite

PROPERTY LOGAN D.D.H. 88 -L- 801 PAGE 1 OF 6
 AREA: MAIN ZONE DIP: 0 ° AZIMUTH (I): 180 ° DEPTH: 140.00m
 CLAIM: LOGAN 3 NORTHING: 216.58 DATE STARTED: JUNE 5D 1988
 SECTION: 195 E EASTING: 188.95 DATE FINISHED: JUNE 9D 1988
 CORE SIZE: 2.0m AT BASE ELEVATION: 1381.94 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: HARRIS/CONROY
 COMMENTS: TRENCH L-801 WAS CUT ALONG THE SECTION ABOVE DDH 87-L-31 & 87-L-33 TO DETERMINE THE GRADE AND CONTINUITY OF MINERALIZATION AT SURFACE IN THE MAIN ZONE
DEPOSIT. AVERAGE DEPTH IS 3.0m. MINERALIZATION INCLUDES LOW-GRADE PYRITE-ARSENOPYRITE-SPHALERITE IN QUARTZ VEIN STOCKWORKS. TRENCHING WAS MADE DIFFICULT
BY EXCESSIVE OVERBURDEN, PERMAFROST, AND FLOODING FROM RUNOFF. UTM COORDINATES: NORTH END N 6708407.82 E 419576.24, SOUTH END N 6708286.84 E 419659.57
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	0.00°	180.00°	0.00	4.00	4.00		GM											
			4.00	7.00	3.00		SAGD											
			7.00	10.50	3.50		AFD											
			10.50	15.00	4.50		SAGD											
			15.00	17.50	2.50		GM											
			17.50	20.80	3.30		AFD											
			20.80	24.00	3.20		GM											
			24.00	51.20	27.20		SAGD											
			51.20	52.00	0.80		GM											
			52.00	53.60	1.60		SAGD											
			53.60	87.00	33.40		AGD											
			87.00	90.00	3.00		MQV											
			90.00	94.00	4.00		SAGD											
			94.00	100.30	6.30		AGD											
			100.30	101.00	0.70		MQV											
			101.00	102.20	1.20		AFD											
			102.20	107.60	5.40		AGD											
			107.60	109.50	1.90		FD											
			109.50	110.20	0.70		SAGD											
			110.20	111.70	1.50		MQV											
			111.70	116.00	4.30		SAGD											
			116.00	118.20	2.20		GM											
			118.20	122.80	4.60		SAGD											
			122.80	131.60	8.80		AGD											
			131.60	140.00	8.40		POND											
ASSAYS AND ANALYSES																		
			0.00	2.00	2.00		GM	50647			0.08	0.02						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 88 - 801 PAGE 2 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			2.00	4.00	2.00		GM	50646			0.08	0.03						
			4.00	5.00	1.00		SAGD	50645			0.02	0.29						
			5.00	6.00	1.00		SAGD	50644			0.03	0.17						
			6.00	7.00	1.00		SAGD	50643			0.02	0.34						
			7.00	8.00	1.00		AFD	50642			0.03	0.71						
			8.00	9.00	1.00		AFD	50641			0.07	0.73						
			9.00	10.00	1.00		AFD	50640			0.06	2.25						
			10.00	11.00	1.00		AFD	50639			0.01	0.30						
			11.00	12.00	1.00		SAGD	50638			0.01	0.11						
			12.00	13.00	1.00		SAGD	50637			0.02	0.75						
			13.00	14.00	1.00		SAGD	50636			0.02	0.17						
			14.00	15.00	1.00		SAGD	50635			0.02	0.20						
			15.00	16.00	1.00		GM	50634			0.01	0.21						
			16.00	17.00	1.00		GM	50633			0.02	0.38						
			17.00	18.00	1.00		AFD	50632			< 0.01	0.19						
			18.00	19.00	1.00		AFD	50631			< 0.01	0.39						
			19.00	20.00	1.00		AFD	50630			0.01	0.63						
			20.00	21.00	1.00		AFD	50629			0.02	3.34						
			21.00	22.00	1.00		GM	50628			0.04	4.67						
			22.00	23.00	1.00		GM	50627			0.02	0.27						
			23.00	24.00	1.00		GM	50626			0.02	0.83						
			24.00	25.00	1.00		SAGD	50625			0.01	0.86						
			25.00	26.00	1.00		SAGD	50624			0.01	0.26						
			26.00	27.00	1.00		SAGD	50623			0.05	0.64						
			27.00	28.00	1.00		SAGD	50622			0.02	0.94						
			28.00	29.00	1.00		SAGD	50621			0.33	12.03						
			29.00	30.00	1.00		SAGD	50620			0.08	0.95						
			30.00	31.00	1.00		SAGD	50619			0.10	3.30						
			31.00	32.00	1.00		SAGD	50618			0.04	0.81						
			32.00	33.00	1.00		SAGD	50617			0.02	0.73						
			33.00	34.00	1.00		SAGD	50616			0.02	0.86						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 88 - 801 PAGE 3 OF 6

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			34.00	35.00	1.00		SAGD	50615			0.01	0.90						
			35.00	36.00	1.00		SAGD	50614			0.01	0.26						
			36.00	37.00	1.00		SAGD	50613			0.01	0.51						
			37.00	38.00	1.00		SAGD	50612			0.02	0.59						
			38.00	39.00	1.00		SAGD	50611			0.02	1.31						
			39.00	40.00	1.00		SAGD	50610			0.04	3.59						
			40.00	41.00	1.00		SAGD	50609			0.02	3.60						
			41.00	42.00	1.00		SAGD	50608			0.03	2.01						
			42.00	43.00	1.00		SAGD	50607			0.02	1.72						
			43.00	44.00	1.00		SAGD	50606			0.02	0.41						
			44.00	45.00	1.00		SAGD	50605			0.02	0.59						
			45.00	46.00	1.00		SAGD	50604			0.08	6.27						
			46.00	47.00	1.00		SAGD	50603			0.01	0.39						
			47.00	48.00	1.00		SAGD	50602			0.01	1.22						
			48.00	49.00	1.00		SAGD	50601			0.01	1.57						
			49.00	50.00	1.00		SAGD	50600			< 0.01	0.47						
			50.00	51.00	1.00		SAGD	50599			0.04	2.73						
			51.00	52.00	1.00		GM	50598			0.01	1.16						
			52.00	53.00	1.00		SAGD	50597			0.03	1.10						
			53.00	54.00	1.00		SAGD	50596			0.03	2.26						
			54.00	55.00	1.00		AGD	50595			0.01	0.44						
			55.00	56.00	1.00		AGD	50594			0.01	0.86						
			56.00	57.00	1.00		AGD	50593			0.01	0.25						
			57.00	58.00	1.00		AGD	50592			0.02	0.38						
			58.00	59.00	1.00		AGD	50591			0.01	0.18						
			59.00	60.00	1.00		AGD	50590			0.01	0.11						
			60.00	61.00	1.00		AGD	50589			0.40	1.86						
			61.00	62.00	1.00		AGD	50588			0.01	0.25						
			62.00	63.00	1.00		AGD	50587			0.02	0.22						
			63.00	64.00	1.00		AGD	50586			0.04	0.31						
			64.00	65.00	1.00		AGD	50585			0.02	0.27						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 88 - 801 PAGE 4 OF 6

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			65.00	66.00	1.00		AGD	50584			< 0.01	0.13					
			66.00	67.00	1.00		AGD	50583			0.03	1.15					
			67.00	68.00	1.00		AGD	50582			0.01	0.29					
			68.00	69.00	1.00		AGD	50581			0.01	0.48					
			69.00	70.00	1.00		AGD	50580			0.02	0.50					
			70.00	71.00	1.00		AGD	50579			0.02	0.61					
			71.00	72.00	1.00		AGD	50578			0.01	0.44					
			72.00	73.00	1.00		AGD	50577			0.01	0.21					
			73.00	74.00	1.00		AGD	50576			0.01	0.39					
			74.00	75.00	1.00		AGD	50575			0.01	1.66					
			75.00	76.00	1.00		AGD	50574			< 0.01	0.20					
			76.00	77.00	1.00		AGD	50573			0.01	0.26					
			77.00	78.00	1.00		AGD	50572			< 0.01	0.23					
			78.00	79.00	1.00		AGD	50571			0.02	0.38					
			79.00	80.00	1.00		AGD	50570			0.02	0.94					
			80.00	81.00	1.00		AGD	50569			0.03	0.70					
			81.00	82.00	1.00		AGD	50568			0.01	0.42					
			82.00	83.00	1.00		AGD	50567			0.01	0.54					
			83.00	84.00	1.00		AGD	50566			0.04	2.33					
			84.00	85.00	1.00		AGD	50565			0.04	1.59					
			85.00	86.00	1.00		AGD	50564			0.02	1.67					
			86.00	87.00	1.00		AGD	50563			0.04	3.69					
			87.00	88.00	1.00		MQV	50562			0.07	1.92					
			88.00	89.00	1.00		MQV	50561			0.03	0.57					
			89.00	90.00	1.00		MQV	50560			0.03	0.51					
			90.00	91.00	1.00		SAGD	50559			0.03	0.71					
			91.00	92.00	1.00		SAGD	50558			0.05	1.38					
			92.00	93.00	1.00		SAGD	50557			0.20	0.62					
			93.00	94.00	1.00		SAGD	50556			0.09	2.69					
			94.00	95.00	1.00		AGD	50555			< 0.01	0.12					
			95.00	96.00	1.00		AGD	50554			< 0.01	0.13					

CONTINUED

PROPERTY LOGAN D.D.H. 88 -L- 802 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: 0 ° AZIMUTH (t): 180 ° DEPTH: 120.00m
 CLAIM: LOGAN 3 NORTHING: 226.43 DATE STARTED: JUNE 21D 1988
 SECTION: 95 E EASTING: 87.99 DATE FINISHED: JUNE 23D 1988
 CORE SIZE: 2.0m at base ELEVATION: 1380.06 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: PAUL CONROY
 COMMENTS: TRENCH L-2 WAS CUT ALONG THE SECTION ABOVE DDH 86-L-14; 87-L-25,-26, AND -34 TO DETERMINE THE GRADE AND CONTINUITY OF MINERALIZATION AT SURFACE IN THE MAIN ZONE DEPOSIT. MINERALIZATION INCLUDES LOW TO MEDIUM GRADE PYRITE-SPHALERITE-ARSENOPYRITE IN MASSIVE QUARTZ VEINS AND STOCKWORKS.
UTM COORDINATES: NORTH END N 6708359.29 E 419487.22, SOUTH END N 6708261.41 E 419555.74
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00	180.00*	0.00	2.30	2.30		SAGD										
			2.30	9.00	6.70		AGD										
			9.00	11.10	2.10		GM										
			11.10	12.00	0.90		SAGD										
			0.00	13.50	13.50		GM										
			13.50	14.80	1.30		SAGD										
			14.80	18.00	3.20		GM										
			18.00	23.40	5.40		AFD										
			23.40	24.90	1.50		QV										
			24.90	28.30	3.40		AFD										
			28.30	31.10	2.80		AGD										
			31.10	33.50	2.40		FGD										
			33.50	43.10	9.60		AGD										
			43.10	47.50	4.40		SAGD										
			47.50	52.70	5.20		AGD										
			52.70	53.30	0.60		MQV										
			53.30	54.20	0.90		GM										
			54.20	73.50	19.30		AGD										
			73.50	75.70	2.20		MQV										
			75.70	80.00	4.30		AFD										
			80.00	80.50	0.50		AGD										
			80.50	84.60	4.10		MQV										
			0.00	86.20	86.20		AFD										
			86.20	96.00	9.80		AGD										
			96.00	106.00	10.00		SAGD										
			106.00	111.00	5.00		GM										
			111.00	120.00	9.00		SAGD										
								ASSAYS AND ANALYSES									
								CONTINUED									

PROPERTY: LOGAN D.D.H. L 88 - 802 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			1.00	2.00	1.00		SAGD	50741			0.04	0.04					
			2.00	3.00	1.00		AGD	50740			0.08	0.08					
			3.00	4.00	1.00		AGD	50739			0.16	0.09					
			4.00	5.00	1.00		AGD	50738			0.05	0.07					
			5.00	6.00	1.00		AGD	50737			0.04	0.05					
			6.00	7.00	1.00		AGD	50736			0.06	0.90					
			7.00	8.00	1.00		AGD	50735			0.04	0.24					
			8.00	9.00	1.00		AGD	50734			0.02	0.10					
			9.00	10.00	1.00		GM	50733			0.03	0.21					
			10.00	11.00	1.00		GM	50732			0.02	0.31					
			11.00	12.00	1.00		SAGD	50731			0.02	0.61					
			12.00	13.00	1.00		GM	50730			0.02	0.45					
			13.00	14.00	1.00		GM	50729			0.02	0.35					
			14.00	15.00	1.00		SAGD	50728			0.02	0.73					
			15.00	16.00	1.00		GM	50727			0.03	1.97					
			16.00	17.00	1.00		GM	50726			0.03	0.31					
			17.00	18.00	1.00		GM	50725			0.05	1.11					
			18.00	19.00	1.00		AFD	50724			0.11	0.24					
			19.00	20.00	1.00		AFD	50723			0.08	0.32					
			20.00	21.00	1.00		AFD	50722			0.08	0.53					
			21.00	22.00	1.00		AFD	50721			0.12	0.60					
			22.00	23.00	1.00		AFD	50720			0.04	1.24					
			23.00	24.00	1.00		QV	50719			0.14	1.35					
			24.00	25.00	1.00		QV	50718			0.54	2.60					
			25.00	26.00	1.00		AFD	50717			0.07	3.77					
			26.00	27.00	1.00		AFD	50716			0.35	1.04					
			27.00	28.00	1.00		AFD	50715			0.17	0.98					
			28.00	29.00	1.00		AGD	50714			0.04	0.76					
			29.00	30.00	1.00		AGD	50713			0.03	0.40					
			30.00	31.00	1.00		AGD	50712			0.02	1.06					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 802 PAGE 3 OF 5
 AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			31.00	32.00	1.00		FGD	50711			0.02	0.55					
			32.00	33.00	1.00		FGD	50710			0.02	0.63					
			33.00	34.00	1.00		AGD	50709			0.02	0.64					
			34.00	35.00	1.00		AGD	50708			0.02	10.60					
			35.00	36.00	1.00		AGD	50707			0.04	4.39					
			36.00	37.00	1.00		AGD	50706			0.03	3.69					
			37.00	38.00	1.00		AGD	50705			0.02	4.08					
			38.00	39.00	1.00		AGD	50704			0.04	1.43					
			39.00	40.00	1.00		AGD	50703			0.02	1.48					
			40.00	41.00	1.00		AGD	50702			0.05	5.96					
			41.00	42.00	1.00		AGD	50701			0.03	2.49					
			42.00	43.00	1.00		AGD	50700			0.02	0.71					
			43.00	44.00	1.00		SAGD	50699			0.02	0.87					
			44.00	45.00	1.00		SAGD	50698			0.02	0.69					
			45.00	46.00	1.00		SAGD	50697			0.03	3.43					
			46.00	47.00	1.00		SAGD	50696			0.02	1.89					
			47.00	48.00	1.00		SAGD	50695			0.04	1.50					
			48.00	49.00	1.00		AGD	50694			0.02	0.91					
			49.00	50.00	1.00		AGD	50693			0.02	1.15					
			50.00	51.00	1.00		AGD	50692			0.05	4.38					
			51.00	52.00	1.00		AGD	50691			0.01	1.39					
			52.00	53.00	1.00		AGD	50690			0.01	1.00					
			53.00	54.00	1.00		MGV	50689			0.01	0.86					
			54.00	55.00	1.00		AGD	50688			0.01	1.46					
			55.00	56.00	1.00		AGD	50687			0.01	1.32					
			56.00	57.00	1.00		AGD	50686			0.02	2.55					
			57.00	58.00	1.00		AGD	50685			0.02	2.26					
			58.00	59.00	1.00		AGD	50684			0.01	1.26					
			59.00	60.00	1.00		AGD	50683			0.01	0.71					
			60.00	61.00	1.00		AGD	50682			0.03	2.76					
			61.00	62.00	1.00		AGD	50681			0.03	0.94					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 802 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____

CLAIM: _____ NORTHING: _____ DATE STARTED: _____

SECTION: _____ EASTING: _____ DATE FINISHED: _____

CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____

CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____

COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			62.00	63.00	1.00		AGD	50680			0.03	1.20					
			63.00	64.00	1.00		AGD	50679			0.02	1.02					
			64.00	65.00	1.00		AGD	50678			0.03	0.88					
			65.00	66.00	1.00		AGD	50677			0.03	1.14					
			66.00	67.00	1.00		AGD	50676			0.05	0.51					
			67.00	68.00	1.00		AGD	50675			0.07	1.28					
			68.00	69.00	1.00		AGD	50674			0.07	2.12					
			69.00	70.00	1.00		AGD	50673			0.12	1.32					
			70.00	71.00	1.00		AGD	50672			0.04	0.66					
			71.00	72.00	1.00		AGD	50671			0.10	2.68					
			72.00	73.00	1.00		AGD	50670			0.14	3.80					
			73.00	74.00	1.00		AGD	50669			0.19	5.48					
			74.00	75.00	1.00		MQV	50668			0.16	3.78					
			75.00	76.00	1.00		MQV	50667			0.18	3.90					
			76.00	77.00	1.00		AFD	50666			0.08	2.08					
			77.00	78.00	1.00		AFD	50665			0.08	1.01					
			78.00	79.00	1.00		AFD	50664			0.12	2.58					
			79.00	80.00	1.00		AFD	50663			0.13	0.92					
			80.00	81.00	1.00		AGD	50662			1.94	2.32					
			81.00	82.00	1.00		MQV	50661			3.07	2.47					
			82.00	83.00	1.00		MQV	50660			1.13	2.71					
			83.00	84.00	1.00		MQV	50659			1.75	2.08					
			84.00	85.00	1.00		MQV	50658			0.10	1.40					
			85.00	86.00	1.00		AFD	50657			0.08	1.47					
			86.00	87.00	1.00		AGD	50656			0.04	2.81					
			87.00	88.00	1.00		AGD	50655			0.13	6.54					
			88.00	89.00	1.00		AGD	50654			0.07	2.39					
			89.00	90.00	1.00		AGD	50653			0.09	0.92					
			90.00	91.00	1.00		AGD	50652			0.20	1.47					
			91.00	92.00	1.00		AGD	50651			0.36	2.39					
			92.00	93.00	1.00		AGD	50650			0.05	0.18					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 802 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA **GEOLOGY AND ASSAY RECORD** ; VALUES BELOW IN PPM UNLESS NOTED ;

Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			93.00	94.00	1.00		AGD	50649			0.21	0.13					
			94.00	95.00	1.00		AGD	50648			0.36	0.23					
			95.00	96.00	1.00		AGD	50755			0.14	0.03					
			96.00	97.00	1.00		SAGD	50754			0.11	0.02					
			97.00	98.00	1.00		SAGD	50753			0.17	0.02					
			98.00	100.00	2.00		SAGD	50752			1.11	0.07					
			100.00	102.00	2.00		SAGD	50751			0.24	0.03					
			102.00	104.00	2.00		SAGD	50750			0.18	0.02					
			104.00	106.00	2.00		SAGD	50749			0.15	< 0.02					
			106.00	108.00	2.00		GM	50748			0.10	< 0.02					
			108.00	110.00	2.00		GM	50747			0.19	< 0.02					
			110.00	112.00	2.00		GM	50746			0.47	< 0.02					
			112.00	114.00	2.00		SAGD	50745			0.96	0.09					
			114.00	116.00	2.00		SAGD	50744			0.87	0.16					
			116.00	118.00	2.00		SAGD	50743			0.30	0.17					
			118.00	120.00	2.00		SAGD	50742			0.27	0.21					
								AVERAGES									
			1.00	120.00	119.00						0.21	1.33					
			19.00	93.00	74.00						0.18	2.00					
			34.00	39.00	5.00						0.03	4.84					

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY LOGAN D.D.H. 88 -L- 803 PAGE 1 OF 2

AREA: EAST ZONE DIP: 0° AZIMUTH (I): 174° DEPTH: 71.00m

CLAIM: LOGAN 87 LOGAN 88 NORTHING: 214.55 DATE STARTED: JUNE 24D 1988

SECTION: 2180 E EASTING: 2181.87 DATE FINISHED: JUNE 27D 1988

CORE SIZE: 2.0m AT BASE ELEVATION: 1303.4 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD

CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: STEWART HARRIS

COMMENTS: TRENCH 88-L-803 WAS CUT ALONG THE SECTION ABOVE DDH-86-L-13 TO DETERMINE THE GRADE AND CONTINUITY OF MINERALIZATION AT THE SURFACE. THE TRENCH WAS ABANDONED DUE TO UNSAFE CONDITIONS AFTER APPROXIMATELY 71m. THE MUCK PILE WAS LOGGED AND SAMPLED WITH NO MINERALIZATION FOUND.

UTM COORDINATES: NORTH END NORTHING 6709524.98 EASTING 421225.40

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	174.00	0.00	3.00	3.00		SAGD										
			3.00	6.00	3.00		SCH										
			6.00	9.00	3.00		SAGD										
			9.00	15.00	6.00		SCH										
			15.00	42.00	27.00		SAGD										
			42.00	45.00	3.00		SCH										
			45.00	49.00	4.00		SAGD										
			49.00	52.00	3.00		SCH										
			52.00	59.00	7.00		AGD										
			59.00	62.00	3.00		SCH										
			62.00	71.00	9.00		SAGD										
ASSAYS AND ANALYSES																	
			0.00	3.00	3.00		SAGD	50756			259ppm	0.3 ppm					
			3.00	6.00	3.00		SCH	50757			277ppm	0.2 ppm					
			6.00	9.00	3.00		SAGD	50758			220ppm	0.4 ppm					
			9.00	12.00	3.00		SCH	50759			240ppm	0.1 ppm					
			12.00	15.00	3.00		SCH	50760			294ppm	0.7 ppm					
			15.00	18.00	3.00		SAGD	50761			184ppm	0.1 ppm					
			18.00	21.00	3.00		SAGD	50762			210ppm	< 0.1 ppm					
			21.00	24.00	3.00		SAGD	50763			269ppm	0.1 ppm					
			24.00	27.00	3.00		SAGD	50764			439ppm	0.1 ppm					
			27.00	30.00	3.00		SAGD	50765			302ppm	0.1 ppm					
			30.00	33.00	3.00		SAGD	50766			444ppm	0.9 ppm					
			33.00	36.00	3.00		SAGD	50767			505ppm	0.9 ppm					
			36.00	39.00	3.00		SAGD	50768			754ppm	0.9 ppm					
			39.00	42.00	3.00		SAGD	50769			556ppm	2.0 ppm					
			42.00	45.00	3.00		SCH	50770			851ppm	1.5 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. 88 -L- 804 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: 0° AZIMUTH (I): 180° DEPTH: 132.00m
 CLAIM: LOGAN 2 NORTHING: 228.37 DATE STARTED: JUNE 28D 1988
 SECTION: 5 W EASTING: -13.29 DATE FINISHED: JULY 2D 1988
 CORE SIZE: 2.5m ELEVATION: 1374.14 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: STEWART HARRIS
 COMMENTS: TRENCH L-4 WAS DUG TO TEST THE GRADE AND CONTINUITY OF MAIN ZONE MINERALIZATION AT SURFACE. APPROXIMATELY 70m OF WEAK TO HIGH GRADE SPHALERITE MINERALIZATION WAS INTERSECTED. THE TRENCH WAS TERMINATED AFTER ENCOUNTERING DEEP OVERBURDEN AND THE FOOTWALL FAULT.
UTM COORDINATES: NORTH END N 6708304.04 E 419402.38, INTERMEDIATE N 6708243.27 E 419442.20, SOUTH END N 6708215.43 E 419466.85
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	180.00°	0.00	13.00	13.00		SAGD										
83.00	0.00°	162.00°	13.00	17.20	4.20		AGD										
106.50	0.00°	177.00°	17.20	18.60	1.40		QV										
			18.60	21.40	2.80		SAGD										
			21.40	34.50	13.10		AFD										
			34.50	43.40	8.90		AGD										
			43.40	48.40	5.00		MQV										
			48.40	62.00	13.60		AGD										
			62.00	74.00	12.00		MBX										
			74.00	100.60	26.60		AGD										
			100.60	106.50	5.90		AFD										
			106.50	116.20	9.70		SAGD										
			116.20	121.30	5.10		AGD										
			121.30	132.00	10.70		DB										
ASSAYS AND ANALYSES																	
			0.00	2.00	2.00		SAGD	50881			0.05	< 0.02					
			2.00	3.00	1.00		SAGD	50880			0.05	0.13					
			3.00	4.00	1.00		SAGD	50879			0.08	0.04					
			4.00	5.00	1.00		SAGD	50878			0.04	< 0.02					
			5.00	6.00	1.00		SAGD	50877			0.02	0.06					
			6.00	7.00	1.00		SAGD	50876			0.02	0.10					
			7.00	8.00	1.00		SAGD	50875			0.02	0.03					
			8.00	9.00	1.00		SAGD	50874			0.04	0.04					
			9.00	10.00	1.00		SAGD	50873			0.60	0.84					
			10.00	11.00	1.00		SAGD	50872			0.04	< 0.02					
			11.00	12.00	1.00		SAGD	50871			0.04	< 0.02					
			12.00	13.00	1.00		SAGD	50870			0.05	< 0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 804 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED		
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
			13.00	14.00	1.00		AGD	50869			0.08	0.03							
			14.00	15.00	1.00		AGD	50868			0.04	0.11							
			15.00	16.00	1.00		AGD	50867			0.02	0.65							
			16.00	17.00	1.00		AGD	50866			0.02	0.45							
			17.00	18.00	1.00		QV	50865			0.04	0.98							
			18.00	19.00	1.00		QV	50864			0.13	3.98							
			19.00	20.00	1.00		SAGD	50863			0.20	11.81							
			20.00	21.00	1.00		SAGD	50862			0.23	6.69							
			21.00	22.00	1.00		AFD	50861			0.05	1.97							
			22.00	23.00	1.00		AFD	50860			0.15	5.87							
			23.00	24.00	1.00		AFD	50859			0.17	5.37							
			24.00	25.00	1.00		AFD	50858			0.12	4.23							
			25.00	26.00	1.00		AFD	50857			0.07	19.33							
			26.00	27.00	1.00		AFD	50856			0.07	16.14							
			27.00	28.00	1.00		AFD	50855			0.16	5.58							
			28.00	29.00	1.00		AFD	50854			0.08	1.64							
			29.00	30.00	1.00		AFD	50853			0.07	0.80							
			30.00	31.00	1.00		AFD	50852			0.05	1.07							
			31.00	32.00	1.00		AFD	50851			0.02	1.40							
			32.00	33.00	1.00		AFD	50850			0.02	4.54							
			33.00	34.00	1.00		AFD	50849			0.01	0.98							
			34.00	35.00	1.00		AGD	50848			0.02	1.22							
			35.00	36.00	1.00		AGD	50847			0.04	0.99							
			36.00	37.00	1.00		AGD	50846			0.02	1.35							
			37.00	38.00	1.00		MQV	50845			0.05	1.51							
			38.00	39.00	1.00		AGD	50844			0.03	1.13							
			39.00	40.00	1.00		AGD	50843			0.02	0.75							
			40.00	41.00	1.00		AGD	50842			0.02	0.73							
			41.00	42.00	1.00		AGD	50841			0.06	0.88							
			42.00	43.00	1.00		AGD	50840			0.16	1.84							
			43.00	44.00	1.00		MQV	50839			0.23	2.02							
								CONTINUED											

PROPERTY LOGAN D.D.H. L 88 - 804 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			44.00	45.00	1.00		MQV	50838			0.19	2.65					
			45.00	46.00	1.00		MQV	50837			0.45	2.10					
			46.00	47.00	1.00		MQV	50836			1.16	2.46					
			47.00	48.00	1.00		MQV	50835			0.30	8.63					
			48.00	49.00	1.00		AGD	50834			1.73	13.31					
			49.00	50.00	1.00		AGD	50833			0.05	5.96					
			50.00	51.00	1.00		AGD	50832			0.22	2.02					
			51.00	52.00	1.00		AGD	50831			0.08	6.41					
			52.00	53.00	1.00		AGD	50830			0.05	1.44					
			53.00	54.00	1.00		AGD	50829			0.08	1.12					
			54.00	55.00	1.00		AGD	50828			0.03	1.87					
			55.00	56.00	1.00		AGD	50827			0.07	1.15					
			56.00	57.00	1.00		AGD	50826			0.13	0.67					
			57.00	58.00	1.00		AGD	50825			0.10	0.79					
			58.00	59.00	1.00		AGD	50824			0.17	0.94					
			59.00	60.00	1.00		AGD	50823			0.07	0.59					
			60.00	61.00	1.00		AGD	50822			0.07	1.47					
			61.00	62.00	1.00		AGD	50821			0.07	0.73					
			62.00	63.00	1.00		AGD	50820			0.14	1.08					
			63.00	64.00	1.00		MBX	50819			0.06	0.87					
			64.00	65.00	1.00		MBX	50818			0.03	0.53					
			65.00	66.00	1.00		MBX	50817			0.09	0.96					
			66.00	67.00	1.00		MBX	50816			0.38	1.94					
			67.00	68.00	1.00		MBX	50815			1.05	1.50					
			68.00	69.00	1.00		MBX	50814			1.75	0.95					
			69.00	70.00	1.00		MBX	50813			1.54	1.19					
			70.00	71.00	1.00		MBX	50812			4.18	0.84					
			71.00	72.00	1.00		MBX	50811			1.70	0.83					
			72.00	73.00	1.00		MBX	50810			0.24	0.44					
			73.00	74.00	1.00		MBX	50809			0.22	0.71					
			74.00	75.00	1.00		AGD	50808			1.69	0.58					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 804 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			75.00	76.00	1.00		AGD	50807			3.28	0.61						
			76.00	77.00	1.00		AGD	50806			1.40	0.36						
			77.00	78.00	1.00		AGD	50805			2.60	0.42						
			78.00	79.00	1.00		AGD	50804			1.70	0.33						
			79.00	80.00	1.00		AGD	50803			1.07	0.47						
			80.00	81.00	1.00		AGD	50802			2.30	1.40						
			81.00	82.00	1.00		AGD	50801			3.16	1.37						
			82.00	83.00	1.00		AGD	50800			5.15	2.96						
			83.00	84.00	1.00		AGD	50799			1.24	0.24						
			84.00	85.00	1.00		AGD	50798			1.70	0.38						
			85.00	86.00	1.00		AGD	50797			2.09	0.17						
			86.00	87.00	1.00		AGD	50796			2.60	0.19						
			87.00	88.00	1.00		AGD	50795			5.08	0.93						
			88.00	89.00	1.00		AGD	50794			5.08	3.20						
			89.00	90.00	1.00		AGD	50793			0.78	0.08						
			90.00	91.00	1.00		AGD	50792			0.61	0.04						
			91.00	92.00	1.00		AGD	50791			6.60	0.63						
			92.00	93.00	1.00		AGD	50790			5.43	0.52						
			93.00	94.00	1.00		AGD	50789			6.10	0.55						
			94.00	95.00	1.00		AGD	50788			4.60	0.22						
			95.00	96.00	1.00		AGD	50787			8.55	0.44						
			96.00	97.00	1.00		AGD	50786			4.90	0.14						
			97.00	98.00	1.00		AFD	50785			10.21	3.60						
			98.00	99.00	1.00		AFD	50784			0.92	0.07						
			99.00	100.00	1.00		AFD	50783			1.22	0.05						
			100.00	101.00	1.00		AFD	50782			1.69	0.32						
			101.00	102.00	1.00		SAGD	50781			0.50	0.05						
			102.00	103.00	1.00		MBX	50780			0.66	0.03						
			103.00	104.00	1.00		MBX	50886			0.15	< 0.02						
			104.00	105.00	1.00		SAGD	50885			0.18	< 0.02						
			105.00	106.00	1.00		SAGD	50884			0.30	< 0.02						
								CONTINUED										

PROPERTY: <u>LOGAN</u>	D.D.H. <u>88 -L- 805</u>	PAGE <u>1</u>	OF <u>5</u>
AREA: <u>MAIN ZONE</u>	DIP: <u>0 °</u> AZIMUTH (I): <u>199 °</u>	DEPTH: <u>98.00m</u>	
CLAIM: <u>LOGAN 2</u>	NORTHING: <u>222.13</u>	DATE STARTED: <u>JULY 8D 1988</u>	
SECTION: <u>105 W</u>	EASTING: <u>-72.91</u>	DATE FINISHED: <u>JULY 11D 1988</u>	
CORE SIZE: <u>3.0m AT BASE</u>	ELEVATION: <u>1371.2 m</u>	CONTRACTOR: <u>ARCTIC DIAMOND DRILLING LTD</u>	
CORE RECOVERY: <u>100 %</u>	CORE STORED AT: <u>N/A</u>	LOGGED BY: <u>FALL CONROY</u>	
COMMENTS: <u>TRENCH L-5 WAS PLACED TO INTERSECT A HIGH-GRADE INTERVAL ON THE SECTION INCLUDING DDH 86-L-6 AND 86-L-7. APPROXIMATELY 68m OF MODERATE TO HIGH GRADE MINERALIZATION (SPHALERITE, PYRITE, CHALCOPYRITE, ARSENOPYRITE) WAS INTERSECTED. THE TRENCH WAS CLOSED AFTER INTERSECTING THE FOOTWALL FAULT.</u>			
<u>UTM COORDINATES: NORTH END NORTHING 6708265.41 EASTING 419356.58, SOUTH END NORTHING 6708172.23 EASTING 419383.54</u>			
<u>NOTE: All azimuths are set relative to grid north - 324.41° TN</u>			

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	199.00°	0.00	6.50	6.50		AGD										
46.00	0.00°	197.00°	6.50	12.00	5.50		SAGD										
67.00	0.00°	199.00°	12.00	16.50	4.50		SCH										
			16.50	18.70	2.20		MQV										
			18.70	20.40	1.70		AFD										
			20.40	22.50	2.10		MQV										
			22.50	25.00	2.50		AGD										
			25.00	31.00	6.00		QV										
			31.00	38.00	7.00		AGD										
			38.00	38.70	0.70		QV										
			38.70	40.70	2.00		AGD										
			40.70	41.40	0.70		QV										
			41.40	65.00	23.60		AGD										
			65.00	65.60	0.60		MQV										
			65.60	69.30	3.70		AGD										
			69.30	70.40	1.10		MQV										
			70.40	72.00	1.60		MS										
			72.00	72.60	0.60		MQV										
			72.60	75.00	2.40		MBX										
			75.00	81.70	6.70		AGD										
			81.70	84.60	2.90		MS										
			84.60	95.20	10.60		GM										
			95.20	98.00	2.80		AGD										
ASSAYS AND ANALYSES																	
			4.00	5.00	1.00		AGD	50887			0.06	0.02					
			5.00	6.00	1.00		AGD	50888			0.06	< 0.02					
			6.00	7.00	1.00		SAGD	50889			0.08	< 0.02					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 805 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED			
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t		
			7.00	8.00	1.00		SAGD	50890			0.05	< 0.02							
			8.00	9.00	1.00		SAGD	50891			0.03	< 0.02							
			9.00	10.00	1.00		SAGD	50892			0.07	< 0.02							
			10.00	11.00	1.00		SAGD	50893			0.06	< 0.02							
			11.00	12.00	1.00		SAGD	50894			0.10	< 0.02							
			12.00	13.00	1.00		SCH	50895			0.36	0.14							
			13.00	14.00	1.00		SCH	50896			0.07	0.03							
			14.00	15.00	1.00		SCH	50897			0.04	0.03							
			15.00	16.00	1.00		SCH	50898			0.05	0.07							
			16.00	17.00	1.00		MBV	50899			0.17	0.19							
			17.00	18.00	1.00		MBV	50900			0.38	1.59							
			18.00	19.00	1.00		MBV	50901			0.44	4.49							
			19.00	20.00	1.00		AFD	50902			0.34	1.69							
			20.00	21.00	1.00		MBV	50903			0.54	4.80							
			21.00	22.00	1.00		MBV	50904			1.66	1.82							
			22.00	23.00	1.00		AGD	50905			0.70	3.55							
			23.00	24.00	1.00		AGD	50906			0.33	1.46							
			24.00	25.00	1.00		AGD	50907			0.21	9.56							
			25.00	26.00	1.00		QV	50908			0.13	5.67							
			26.00	27.00	1.00		QV	50909			0.28	9.55							
			27.00	28.00	1.00		QV	50910			0.19	8.45							
			28.00	29.00	1.00		QV	50911			0.31	11.00							
			29.00	30.00	1.00		QV	50912			0.39	1.94							
			30.00	31.00	1.00		QV	50913			0.12	1.51							
			31.00	32.00	1.00		AGD	50914			0.06	0.22							
			32.00	33.00	1.00		AGD	50915			0.12	0.62							
			33.00	34.00	1.00		AGD	50916			0.06	0.33							
			34.00	36.00	2.00		AGD	50917			0.05	0.38							
			36.00	37.00	1.00		AGD	50918			0.06	0.26							
			37.00	38.00	1.00		AGD	50919			0.04	0.11							
			38.00	39.00	1.00		AGD	50920			0.09	1.08							
								CONTINUED											

PROPERTY LOGAN D.D.H. L 88 - 805 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			39.00	39.00	0.00		GV	50921			0.21	2.10						
			39.00	40.00	1.00		AGD	50922			0.08	1.15						
			40.00	41.00	1.00		AGD	50923			0.57	0.80						
			41.00	42.00	1.00		GV	50924			0.14	0.75						
			42.00	43.00	1.00		AGD	50925			0.08	2.51						
			43.00	44.00	1.00		AGD	50926			0.08	0.77						
			44.00	45.00	1.00		AGD	50927			0.04	0.89						
			45.00	46.00	1.00		AGD	50928			0.05	0.28						
			46.00	47.00	1.00		AGD	50929			0.15	1.73						
			47.00	48.00	1.00		AGD	50930			0.24	1.67						
			48.00	49.00	1.00		AGD	50931			0.16	0.86						
			49.00	50.00	1.00		AGD	50932			0.08	2.20						
			50.00	51.00	1.00		AGD	50933			0.06	0.82						
			51.00	52.00	1.00		AGD	50934			0.11	0.33						
			52.00	53.00	1.00		AGD	50935			0.06	1.02						
			53.00	54.00	1.00		AGD	50936			0.04	0.32						
			54.00	55.00	1.00		AGD	50937			0.05	0.70						
			55.00	56.00	1.00		AGD	50938			0.11	0.23						
			56.00	57.00	1.00		AGD	50939			0.16	0.61						
			57.00	58.00	1.00		AGD	50940			0.20	0.98						
			58.00	59.00	1.00		AGD	50941			0.17	0.34						
			59.00	60.00	1.00		AGD	50942			0.10	0.29						
			60.00	61.00	1.00		AGD	50943			0.11	0.45						
			61.00	62.00	1.00		AGD	50944			0.16	0.27						
			62.00	63.00	1.00		AGD	50945			0.53	0.80						
			63.00	64.00	1.00		AGD	50946			0.81	3.14						
			64.00	65.00	1.00		AGD	50947			0.97	4.15						
			65.00	66.00	1.00		MGV	50948			0.49	3.31						
			66.00	67.00	1.00		AGD	50949			0.99	0.40						
			67.00	68.00	1.00		AGD	50950			4.23	3.93						
			68.00	69.00	1.00		AGD	50951			2.98	1.01						
								CONTINUED										

PROPERTY: <u>LOGAN</u>	D.D.H. <u>BB -L- 806</u>	PAGE <u>1</u>	OF <u>5</u>
AREA: <u>WEST ZONE</u>	DIP: <u>0°</u> AZIMUTH (I): <u>180°</u>	DEPTH: <u>313.00m</u>	
CLAIM: <u>LOGAN 34</u>	NORTHING: <u>-333.14</u>	DATE STARTED: <u>JULY 20D 1988</u>	
SECTION: <u>1915 W</u>	EASTING: <u>-1857.88</u>	DATE FINISHED: <u>JULY 27D 1988</u>	
CORE SIZE: <u>2.5m at base</u>	ELEVATION: <u>1400.53 m</u>	CONTRACTOR: <u>ARCTIC DIAMOND DRILLING LTD</u>	
CORE RECOVERY: <u>100%</u>	CORE STORED AT: <u>N/A</u>	LOGGED BY: <u>S.H./M.K./P.C.</u>	
COMMENTS: <u>TRENCH L-6 WAS DUG TO TEST A COINCIDENT ZN-AG-SN SOIL GEOCHEMISTRY ANOMALY AND A MODERATE I.P. ANOMALY, AND TO EXAMINE GEOLOGY AT DEPTH. MINOR PYRITE-SPHALERITE(?) MINERALIZATION (2m) WAS INTERSECTED. THE TRENCH WAS CLOSED AT THE TARGET LENGTH OF 313m.</u>			
UTM COORDINATES: (NORTH TO SOUTH) N 6706804.14 E 418192.26, N 6706728.33 E 418173.06, N 6706642.02 E 418231.52, N 6706594.82 E 418266.48, N 6706536.28 E 418298.68			
NOTE: All azimuths are set relative to grid north - 324.41° TN			

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	235.60°	0.00	45.60	45.60		AGD										
72.00	0.00°	181.60°	45.60	46.60	1.00		METS										
127.00	0.00°	175.60°	46.60	52.20	5.60		AGD										
217.00	0.00°	181.60°	52.20	56.00	3.80		METS										
224.00	0.00°	168.60°	56.00	57.80	1.80		AGD										
249.00	0.00°	180.60°	57.80	69.00	11.20		METS										
264.00	0.00°	189.60°	69.00	72.00	3.00		AGD										
289.00	0.00°	176.60°	72.00	78.00	6.00		GAP										
304.00	0.00°	187.60°	78.00	92.00	14.00		AGD										
			92.00	93.00	1.00		METS										
			93.00	98.00	5.00		AGD										
			98.00	106.20	8.20		SAGD										
			106.20	107.20	1.00		AFD										
			107.20	115.80	8.60		AGD										
			115.80	116.90	1.10		METS										
			116.90	148.80	31.90		AGD										
			148.80	153.00	4.20		METS										
			153.00	183.00	30.00		AGD										
			183.00	192.00	9.00		ROAD										
			192.00	197.00	5.00		METS										
			197.00	198.80	1.80		AGD										
			198.80	200.00	1.20		METS										
			200.00	205.00	5.00		AGD										
			205.00	206.00	1.00		METS										
			206.00	217.00	11.00		AGD										
			217.00	223.20	6.20		METS										
			223.20	231.00	7.80		AGD										
			231.00	233.20	2.20		SAGD										
			233.20	241.00	7.80		AGD										
			241.00	247.00	6.00		SAGD										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 806 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			247.00	274.00	27.00		AGD										
			274.00	306.00	32.00		SAGD										
			306.00	313.00	7.00		METS										
ASSAYS AND ANALYSES																	
			0.00	3.00	3.00		AGD	51246			175ppm	0.2 ppm					
			3.00	6.00	3.00		AGD	51245			230ppm	0.2 ppm					
			6.00	9.00	3.00		AGD	51244			184ppm	0.1 ppm					
			9.00	12.00	3.00		AGD	51243			226ppm	0.1 ppm					
			12.00	15.00	3.00		AGD	51242			132ppm	0.1 ppm					
			15.00	18.00	3.00		AGD	51241			181ppm	0.1 ppm					
			18.00	21.00	3.00		AGD	51240			189ppm	0.2 ppm					
			21.00	24.00	3.00		AGD	51239			203ppm	0.1 ppm					
			24.00	27.00	3.00		AGD	51238			202ppm	0.4 ppm					
			27.00	30.00	3.00		AGD	51237			413ppm	0.3 ppm					
			30.00	33.00	3.00		AGD	51236			279ppm	0.2 ppm					
			33.00	36.00	3.00		AGD	51235			369ppm	0.2 ppm					
			36.00	39.00	3.00		AGD	51234			251ppm	0.2 ppm					
			39.00	42.00	3.00		AGD	51233			293ppm	0.1 ppm					
			42.00	45.00	3.00		AGD	51232			249ppm	0.3 ppm					
			45.00	48.00	3.00		AGD	51231			444ppm	0.2 ppm					
			48.00	51.00	3.00		AGD	51230			214ppm	0.2 ppm					
			51.00	54.00	3.00		METS	51229			331ppm	0.2 ppm					
			54.00	57.00	3.00		METS	51228			320ppm	0.1 ppm					
			57.00	60.00	3.00		METS	51227			240ppm	0.2 ppm					
			60.00	63.00	3.00		METS	51226			530ppm	0.5 ppm					
			63.00	66.00	3.00		METS	51225			872ppm	0.2 ppm					
			66.00	69.00	3.00		METS	51224			335ppm	0.1 ppm					
			69.00	72.00	3.00		AGD	51223			335ppm	0.2 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 806 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			78.00	80.00	2.00		SCH	50999			303ppm	0.1 ppm						
			80.00	82.00	2.00		SCH	50998			421ppm	0.2 ppm						
			82.00	84.00	2.00		SCH	50997			398ppm	0.2 ppm						
			84.00	86.00	2.00		AGD	50996			177ppm	0.2 ppm						
			86.00	88.00	2.00		AGD	50995			347ppm	0.1 ppm						
			88.00	90.00	2.00		AGD	50994			247ppm	0.2 ppm						
			90.00	92.00	2.00		AGD	50993			640ppm	0.2 ppm						
			92.00	94.00	2.00		METS	50992			492ppm	0.6 ppm						
			94.00	96.00	2.00		AGD	50991			267ppm	0.1 ppm						
			96.00	99.00	3.00		AGD	50990			287ppm	0.2 ppm						
			99.00	102.00	3.00		SAGD	50989			775ppm	0.6 ppm						
			102.00	105.00	3.00		SAGD	50988			890ppm	0.3 ppm						
			105.00	107.00	2.00		AFD	50987			993ppm	1.0 ppm						
			107.00	109.00	2.00		AGD	50986			309ppm	0.9 ppm						
			109.00	111.00	2.00		AGD	50985			219ppm	1.0 ppm						
			111.00	114.00	3.00		AGD	50984			446ppm	0.9 ppm						
			114.00	117.00	3.00		METS	50983			387ppm	1.3 ppm						
			117.00	120.00	3.00		SAGD	50982			792ppm	1.2 ppm						
			120.00	123.00	3.00		SAGD	50981			819ppm	0.3 ppm						
			123.00	126.00	3.00		SAGD	50980			765ppm	0.2 ppm						
			126.00	129.00	3.00		AGD	50979			559ppm	0.4 ppm						
			129.00	132.00	3.00		AGD	51000			815ppm	0.6 ppm						
			132.00	135.00	3.00		AGD	51001			1895ppm	0.5 ppm						
			135.00	138.00	3.00		AGD	51002			1915ppm	0.4 ppm						
			138.00	141.00	3.00		AGD	51003			1558ppm	1.1 ppm						
			141.00	144.00	3.00		AGD	51004			1268ppm	0.3 ppm						
			144.00	147.00	3.00		AGD	51005			720ppm	0.4 ppm						
			147.00	150.00	3.00		AGD	51006			778ppm	0.6 ppm						
			150.00	153.00	3.00		METS	51007			526ppm	1.4 ppm						
			153.00	155.00	2.00		AGD	51008			548ppm	3.1 ppm						
			155.00	157.00	2.00		AGD	51009			316ppm	2.7 ppm						
								CONTINUED										

PROPERTY LOGAN D.D.H. L 88 - 806 PAGE 5 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
CLAIM: _____ NORTHING: _____ DATE STARTED: _____
SECTION: _____ EASTING: _____ DATE FINISHED: _____
CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			244.00	247.00	3.00		SAGD	51200			675ppm	0.3 ppm					
			247.00	250.00	3.00		AGD	51201			848ppm	0.4 ppm					
			250.00	253.00	3.00		AGD	51202			1418ppm	0.5 ppm					
			253.00	256.00	3.00		AGD	51203			838ppm	0.9 ppm					
			256.00	259.00	3.00		AGD	51204			718ppm	0.4 ppm					
			259.00	262.00	3.00		AGD	51205			390ppm	0.4 ppm					
			262.00	265.00	3.00		AGD	51206			929ppm	1.8 ppm					
			265.00	268.00	3.00		AGD	51207			130ppm	0.2 ppm					
			268.00	271.00	3.00		AGD	51208			177ppm	0.2 ppm					
			271.00	274.00	3.00		AGD	51209			425ppm	0.4 ppm					
			274.00	277.00	3.00		SAGD	51210			437ppm	0.2 ppm					
			277.00	280.00	3.00		SAGD	51211			499ppm	0.3 ppm					
			280.00	283.00	3.00		SAGD	51212			292ppm	0.2 ppm					
			283.00	286.00	3.00		SAGD	51213			613ppm	0.2 ppm					
			286.00	289.00	3.00		SAGD	51214			281ppm	0.1 ppm					
			289.00	292.00	3.00		SAGD	51215			363ppm	0.1 ppm					
			292.00	295.00	3.00		SAGD	51216			408ppm	0.1 ppm					
			295.00	298.00	3.00		SAGD	51217			229ppm	0.1 ppm					
			298.00	301.00	3.00		SAGD	51218			279ppm	0.1 ppm					
			301.00	304.00	3.00		SAGD	51219			260ppm	0.1 ppm					
			304.00	307.00	3.00		METS	51220			215ppm	0.2 ppm					
			307.00	310.00	3.00		METS	51221			683ppm	0.3 ppm					
			310.00	313.00	3.00		METS	51222			746ppm	0.1 ppm					

PROPERTY LOGAN D.D.H. L 88 - 807 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t			
			84.00	87.00	3.00		SAGD	51063			0.02	< 0.02								
			87.00	90.00	3.00		AGD	51064			0.03	< 0.02								
			90.00	93.00	3.00		AGD	51065			0.02	< 0.02								
			93.00	96.00	3.00		AGD	51066			0.02	< 0.02								
			96.00	99.00	3.00		AGD	51067			0.03	< 0.02								
			99.00	102.00	3.00		AGD	51068			0.02	< 0.02								
			102.00	105.00	3.00		AGD	51069			0.01	< 0.02								
			105.00	108.00	3.00		AGD	51070			< 0.01	< 0.02								
			108.00	111.00	3.00		METS	51071			0.01	< 0.02								
			111.00	114.00	3.00		METS	51072			< 0.01	< 0.02								
			114.00	117.00	3.00		AGD	51073			0.01	< 0.02								
			117.00	120.00	3.00		METS	51074			0.03	< 0.02								
			120.00	123.00	3.00		METS	51075			0.01	< 0.02								
			123.00	126.00	3.00		AGD	51076			< 0.01	< 0.02								
			126.00	129.00	3.00		METS	51077			0.01	< 0.02								
			129.00	132.00	3.00		METS	51078			< 0.01	< 0.02								
			132.00	135.00	3.00		METS	51079			< 0.01	0.02								
			135.00	138.00	3.00		METS	51080			< 0.01	< 0.02								
			138.00	141.00	3.00		METS	51081			< 0.01	< 0.02								
			141.00	144.00	3.00		METS	51082			< 0.01	< 0.02								
			144.00	147.00	3.00		METS	51083			< 0.01	< 0.02								
			147.00	150.00	3.00		METS	51084			< 0.01	< 0.02								
			150.00	153.00	3.00		METS	51085			0.02	< 0.02								
			153.00	156.00	3.00		METS	51086			< 0.01	< 0.02								
			156.00	159.00	3.00		METS	51087			< 0.01	< 0.02								
			159.00	162.00	3.00		METS	51088			< 0.01	< 0.02								
			162.00	165.00	3.00		AGD	51089			< 0.01	< 0.02								
			165.00	168.00	3.00		AGD	51090			< 0.01	< 0.02								
			168.00	171.00	3.00		METS	51091			< 0.01	< 0.02								
			171.00	174.00	3.00		METS	51092			< 0.01	< 0.02								
			174.00	177.00	3.00		METS	51093			0.01	< 0.02								
								CONTINUED												

PROPERTY LOGAN D.D.H. L 88 - 807 PAGE 4 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t			
			177.00	180.00	3.00		METS	51094			< 0.01	< 0.02								
			180.00	183.00	3.00		METS	51095			< 0.01	< 0.02								
			183.00	186.00	3.00		METS	51096			< 0.01	< 0.02								
			186.00	189.00	3.00		METS	51097			< 0.01	< 0.02								
			189.00	192.00	3.00		AGD	51098			< 0.01	0.02								
			192.00	195.00	3.00		AGD	51099			< 0.01	< 0.02								
			195.00	198.00	3.00		METS	51100			< 0.01	< 0.02								
			198.00	201.00	3.00		METS	51101			< 0.01	< 0.02								
			201.00	204.00	3.00		METS	51102			< 0.01	< 0.02								
			204.00	207.00	3.00		AGD	51103			< 0.01	< 0.02								
			207.00	210.00	3.00		METS	51104			< 0.01	< 0.02								
			210.00	213.00	3.00		METS	51105			1.04	< 0.02								
			213.00	216.00	3.00		METS	51106			< 0.01	< 0.02								
			216.00	219.00	3.00		QV	51107			0.02	< 0.02								
			219.00	222.00	3.00		METS	51108			0.02	< 0.02								
			222.00	225.00	3.00		METS	51109			0.01	0.02								
			225.00	228.00	3.00		METS	51110			0.02	< 0.02								
			228.00	231.00	3.00		METS	51111			0.02	< 0.02								
			231.00	234.00	3.00		METS	51112			0.01	< 0.02								
			234.00	237.00	3.00		METS	51113			0.01	< 0.02								
			237.00	240.00	3.00		METS	51114			0.02	< 0.02								
			240.00	243.00	3.00		METS	51115			0.04	< 0.02								
			243.00	246.00	3.00		METS	51116			0.02	< 0.02								
			246.00	249.00	3.00		METS	51117			< 0.01	< 0.02								
			249.00	252.00	3.00		METS	51118			< 0.01	< 0.02								
			252.00	254.00	2.00		AGD	51119			< 0.01	< 0.02								

PROPERTY: LOGAN D.D.H. 88 -L- 808 PAGE 1 OF 4

AREA: WEST ZONE DIP: 0° AZIMUTH (I): 180° DEPTH: 217.00m
 CLAIM: LOGAN 34 NORTHING: -668.18 DATE STARTED: JULY 25D 1988
 SECTION: 1800 W EASTING: -1794.44 DATE FINISHED: JULY 26D 1988
 CORE SIZE: 2.0m at base ELEVATION: 1418.55 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100% CORE STORED AT: N/A LOGGED BY: PAUL CONROY

COMMENTS: TRENCH 1-8 WAS DUG TO TEST A MODERATE TO STRONG I.P. ANOMALY AND COINCIDENT ZN-AG SOIL GEOCHEMISTRY ANOMALY. NO MINERALIZATION WAS INTERSECTED. MAPPING WAS MADE DIFFICULT BY POOR EXPOSURES AND STEEP SLOPES. THE TRENCH WAS CLOSED AT ITS TARGET LENGTH OF 217m.

UTM COORDINATES: NORTH END N 6706562.70 E 418432.82; INTERMEDIATES N 6706528.25 E 418447.34, N 6706527.93 E 418448.54; SOUTH END N 6706393.42 E 418538.55

NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA **GEOLOGY AND ASSAY RECORD**

Depth	Dip	Az (I)					VALUES BELOW IN PPM UNLESS NOTED											
			From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag. oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	0.00°	170.60°	0.00	12.00	12.00		AGD											
57.00	0.00°	175.60°	12.00	27.00	15.00		SAGD											
127.00	0.00°	173.60°	27.00	39.00	12.00		ROAD											
142.00	0.00°	177.60°	39.00	49.00	10.00		SAGD											
157.00	0.00°	181.60°	49.00	68.80	19.80		METS											
			68.80	104.00	35.20		AGD											
			104.00	110.50	6.50		SAGD											
			110.50	123.00	12.50		AGD											
			123.00	139.00	16.00		METS											
			139.00	141.40	2.40		AGD											
			141.40	154.00	12.60		METS											
			154.00	155.00	1.00		AGD											
			155.00	162.80	7.80		METS											
			162.80	192.00	29.20		AGD											
			192.00	197.40	5.40		METS											
			197.40	205.00	7.60		AGD											
			205.00	208.00	3.00		METS											
			208.00	209.00	1.00		AGD											
			209.00	210.00	1.00		METS											
			210.00	212.00	2.00		SGD											
			212.00	217.00	5.00		METS											

ASSAYS AND ANALYSES

			0.00	3.00	3.00		AGD	51190				352ppm	0.2 ppm					
			3.00	6.00	3.00		AGD	51189				348ppm	0.2 ppm					
			6.00	9.00	3.00		AGD	51188				213ppm	0.4 ppm					
			9.00	12.00	3.00		AGD	51187				140ppm	0.2 ppm					
			12.00	15.00	3.00		SAGD	51186				268ppm	0.2 ppm					

CONTINUED

PROPERTY LOGAN D.D.H. L 88 - 808 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			15.00	18.00	3.00		SAGD	51185			334ppm	0.2 ppm					
			18.00	21.00	3.00		SAGD	51184			462ppm	0.2 ppm					
			21.00	24.00	3.00		SAGD	51183			1034ppm	0.2 ppm					
			24.00	27.00	3.00		SAGD	51182			478ppm	0.3 ppm					
			39.00	42.00	3.00		SAGD	51181			237ppm	0.6 ppm					
			42.00	45.00	3.00		SAGD	51180			365ppm	0.4 ppm					
			45.00	48.00	3.00		SAGD	51179			394ppm	0.6 ppm					
			48.00	51.00	3.00		METS	51178			354ppm	0.7 ppm					
			51.00	54.00	3.00		METS	51177			280ppm	0.5 ppm					
			54.00	57.00	3.00		METS	51176			208ppm	0.5 ppm					
			57.00	60.00	3.00		METS	51175			179ppm	0.8 ppm					
			60.00	63.00	3.00		METS	51174			298ppm	0.8 ppm					
			63.00	66.00	3.00		METS	51173			355ppm	0.6 ppm					
			66.00	69.00	3.00		METS	51172			850ppm	0.5 ppm					
			69.00	72.00	3.00		AGD	51171			658ppm	0.4 ppm					
			72.00	75.00	3.00		AGD	51170			964ppm	0.4 ppm					
			75.00	78.00	3.00		AGD	51169			362ppm	0.4 ppm					
			78.00	81.00	3.00		AGD	51168			435ppm	0.3 ppm					
			81.00	84.00	3.00		AGD	51167			353ppm	0.4 ppm					
			84.00	87.00	3.00		GV	51166			241ppm	0.4 ppm					
			87.00	90.00	3.00		AGD	51165			164ppm	0.5 ppm					
			90.00	93.00	3.00		AGD	51164			245ppm	0.5 ppm					
			93.00	96.00	3.00		AGD	51163			713ppm	0.3 ppm					
			96.00	99.00	3.00		AGD	51162			796ppm	0.3 ppm					
			99.00	102.00	3.00		AGD	51161			682ppm	0.5 ppm					
			102.00	105.00	3.00		AGD	51160			430ppm	0.2 ppm					
			105.00	108.00	3.00		SAGD	51159			489ppm	0.2 ppm					
			108.00	111.00	3.00		SAGD	51158			537ppm	0.2 ppm					
			111.00	114.00	3.00		AGD	51157			666ppm	0.3 ppm					
			114.00	117.00	3.00		AGD	51156			923ppm	0.3 ppm					
			117.00	119.00	2.00		AGD	51155			332ppm	0.4 ppm					
							CONTINUED										

PROPERTY LOGAN D.D.H. L 88 - 808 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	VALUES BELOW IN PPM UNLESS NOTED						
											Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			119.00	121.00	2.00		AGD	51154			283ppm	0.2 ppm					
			121.00	123.00	2.00		AGD	51153			495ppm	0.2 ppm					
			123.00	126.00	3.00		METS	51152			1449ppm	0.2 ppm					
			126.00	129.00	3.00		METS	51151			1637ppm	0.4 ppm					
			129.00	132.00	3.00		METS	51150			1405ppm	0.4 ppm					
			132.00	135.00	3.00		METS	51149			1468ppm	0.6 ppm					
			135.00	138.00	3.00		METS	51148			1850ppm	0.4 ppm					
			138.00	141.00	3.00		AGD	51147			1694ppm	0.6 ppm					
			141.00	144.00	3.00		METS	51146			1292ppm	0.9 ppm					
			144.00	147.00	3.00		METS	51145			1480ppm	0.6 ppm					
			147.00	150.00	3.00		METS	51144			2590ppm	2.2 ppm					
			150.00	153.00	3.00		METS	51143			1370ppm	0.8 ppm					
			153.00	156.00	3.00		METS	51142			1658ppm	0.6 ppm					
			156.00	159.00	3.00		METS	51141			1038ppm	0.4 ppm					
			159.00	162.00	3.00		METS	51140			997ppm	0.6 ppm					
			162.00	165.00	3.00		AGD	51139			597ppm	0.5 ppm					
			165.00	168.00	3.00		AGD	51138			479ppm	1.0 ppm					
			168.00	171.00	3.00		AGD	51137			552ppm	2.4 ppm					
			171.00	174.00	3.00		AGD	51136			383ppm	1.0 ppm					
			174.00	177.00	3.00		AGD	51135			594ppm	1.4 ppm					
			177.00	180.00	3.00		AGD	51134			527ppm	1.0 ppm					
			180.00	183.00	3.00		AGD	51133			444ppm	1.2 ppm					
			183.00	186.00	3.00		AGD	51132			683ppm	1.7 ppm					
			186.00	189.00	3.00		AGD	51131			766ppm	3.3 ppm					
			189.00	192.00	3.00		AGD	51130			548ppm	12.1 ppm					
			192.00	194.00	2.00		METS	51129			1276ppm	4.7 ppm					
			194.00	196.00	2.00		METS	51128			1424ppm	1.8 ppm					
			196.00	198.00	2.00		METS	51127			1872ppm	3.0 ppm					
			198.00	201.00	3.00		AGD	51126			408ppm	0.2 ppm					
			201.00	204.00	3.00		AGD	51125			774ppm	0.2 ppm					
			204.00	207.00	3.00		METS	51124			788ppm	0.4 ppm					
								CONTINUED									

PROPERTY: <u>LOGAN</u>	D.D.H. <u>88 -L- 809</u>	PAGE <u>1</u> OF <u>7</u>
AREA: <u>MAIN ZONE</u>	DIP: <u>0 °</u> AZIMUTH (I): <u>180 °</u>	DEPTH: <u>338.00m</u>
CLAIM: <u>LOGAN 6</u>	NORTHING: <u>42.81</u>	DATE STARTED: <u>AUGUST 9D 1988</u>
SECTION: <u>490 E</u>	EASTING: <u>481.59</u>	DATE FINISHED: <u>AUGUST 13D 1988</u>
CORE SIZE: <u>2.0m at base</u>	ELEVATION: <u>1358.05 m</u>	CONTRACTOR: <u>ARCTIC DIAMOND DRILLING LTD</u>
CORE RECOVERY: <u>100 %</u>	CORE STORED AT: <u>N/A</u>	LOGGED BY: <u>MATT KOKAN</u>
COMMENTS: <u>TRENCH L-809 WAS DUG TO TEST COINCIDENT SOIL GEOCHEMISTRY AND I.P. ANOMALIES, AND TO TEST THE SOURCE OF MINERALIZED FLOAT. APPROXIMATELY 5m OF WEAK PYRITE-ARSENOPYRITE-SPHALERITE MINERALIZATION IN QUARTZ VEINS WAS INTERSECTED. THE TRENCH WAS TERMINATED AT THE TARGET LENGTH OF 338m.</u>		
UTM COORDINATES: NORTH END N 6708428.42 E 419915.79, CENTER N 6708211.77 E 420057.80, SOUTH END N 6708139.62 E 420103.18		
NOTE: All azimuths are set relative to grid north - 324.41° TN		

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00*	180.00*	0.00	2.00	2.00		AGD										
			2.00	2.60	0.60		GM										
			0.00	7.50	7.50		AGD										
			7.50	11.40	3.90		SAGD										
			11.40	12.40	1.00		GM										
			12.40	14.00	1.60		SAGD										
			14.00	14.60	0.60		AGD										
			14.60	19.00	4.40		QV										
			19.00	22.70	3.70		AGD										
			22.70	23.80	1.10		SAGD										
			23.80	42.40	18.60		AGD										
			42.40	44.60	2.20		SAGD										
			44.60	83.00	38.40		AGD										
			83.00	87.10	4.10		SAGD										
			87.10	136.90	49.80		AGD										
			136.90	142.00	5.10		SAGD										
			142.00	163.30	21.30		AGD										
			163.30	164.30	1.00		QV										
			164.30	165.00	0.70		SAGD										
			165.00	167.00	2.00		AGD										
			167.00	168.30	1.30		SAGD										
			168.30	169.00	0.70		QV										
			169.00	174.00	5.00		AGD										
			174.00	182.00	8.00		OB										
			182.00	218.40	36.40		AGD										
			218.40	219.70	1.30		SAGD										
			219.70	258.00	38.30		AGD										
			258.00	259.00	1.00		SCH										
			259.00	264.40	5.40		SAGD										
			264.40	282.00	17.60		AGD										
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 809 PAGE 3 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			23.00	24.00	1.00		SAGD	51409			1000ppm	1.4 ppm					
			24.00	25.00	1.00		AGD	51408			870ppm	1.9 ppm					
			25.00	26.00	1.00		AGD	51407			205ppm	0.9 ppm					
			26.00	27.00	1.00		AGD	51406			480ppm	3.3 ppm					
			27.00	28.00	1.00		AGD	51405			335ppm	18.8 ppm					
			28.00	29.00	1.00		AGD	51404			250ppm	10.2 ppm					
			29.00	30.00	1.00		AGD	51403			640ppm	2.4 ppm					
			30.00	31.00	1.00		AGD	51402			355ppm	1.3 ppm					
			31.00	34.00	3.00		AGD	51401			1200ppm	27.5 ppm					
			34.00	35.00	1.00		AGD	51400			930ppm	1.6 ppm					
			35.00	36.00	1.00		AGD	51399			6.45	6.1 ppm					
			36.00	37.00	1.00		AGD	51398			230ppm	1.1 ppm					
			37.00	40.00	3.00		AGD	51397			280ppm	1.2 ppm					
			40.00	43.00	3.00		SAGD	51396			280ppm	0.7 ppm					
			43.00	46.00	3.00		SAGD	51395			710ppm	1.6 ppm					
			46.00	49.00	3.00		AGD	51394			350ppm	0.2 ppm					
			49.00	52.00	3.00		AGD	51393			510ppm	2.3 ppm					
			52.00	55.00	3.00		AGD	51392			520ppm	0.7 ppm					
			55.00	58.00	3.00		AGD	51391			810ppm	4.3 ppm					
			58.00	61.00	3.00		AGD	51390			590ppm	1.3 ppm					
			61.00	64.00	3.00		AGD	51389			560ppm	0.4 ppm					
			64.00	67.00	3.00		AGD	51388			330ppm	0.2 ppm					
			67.00	70.00	3.00		AGD	51387			395ppm	0.1 ppm					
			70.00	73.00	3.00		AGD	51386			560ppm	0.4 ppm					
			73.00	76.00	3.00		AGD	51385			770ppm	1.4 ppm					
			76.00	79.00	3.00		AGD	51384			600ppm	0.4 ppm					
			79.00	82.00	3.00		AGD	51383			520ppm	1.2 ppm					
			82.00	85.00	3.00		SAGD	51382			530ppm	4.5 ppm					
			85.00	88.00	3.00		SAGD	51381			520ppm	0.4 ppm					
			88.00	91.00	3.00		AGD	51380			470ppm	6.7 ppm					
			91.00	94.00	3.00		AGD	51379			760ppm	1.2 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 809 PAGE 4 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			94.00	97.00	3.00		AGD	51378			500ppm	0.3 ppm					
			97.00	100.00	3.00		AGD	51377			250ppm	0.1 ppm					
			100.00	103.00	3.00		AGD	51376			800ppm	0.9 ppm					
			103.00	104.00	1.00		AGD	51375			1100ppm	0.6 ppm					
			104.00	105.00	1.00		AGD	51374			6.80	1.51					
			105.00	106.00	1.00		AGD	51373			590ppm	0.5 ppm					
			106.00	108.00	2.00		AGD	51372			110ppm	0.1 ppm					
			108.00	111.00	3.00		AGD	51371			360ppm	5.6 ppm					
			111.00	114.00	3.00		AGD	51370			290ppm	0.2 ppm					
			114.00	115.00	1.00		AGD	51369			590ppm	0.9 ppm					
			115.00	116.00	1.00		AGD	51368			450ppm	0.7 ppm					
			116.00	117.00	1.00		AGD	51367			820ppm	1.2 ppm					
			117.00	118.00	1.00		AGD	51366			920ppm	5.2 ppm					
			118.00	119.00	1.00		AGD	51365			930ppm	10.0 ppm					
			119.00	122.00	3.00		AGD	51364			790ppm	0.3 ppm					
			122.00	125.00	3.00		AGD	51363			1100ppm	0.2 ppm					
			125.00	128.00	3.00		AGD	51362			880ppm	0.2 ppm					
			128.00	131.00	3.00		AGD	51361			680ppm	0.1 ppm					
			131.00	134.00	3.00		AGD	51360			980ppm	0.3 ppm					
			134.00	135.00	1.00		AGD	51359			1450ppm	12.6 ppm					
			135.00	136.00	1.00		AGD	51358			740ppm	8.5 ppm					
			136.00	137.00	1.00		SAGD	51357			610ppm	0.4 ppm					
			137.00	138.00	1.00		SAGD	51356			780ppm	0.4 ppm					
			138.00	139.00	1.00		SAGD	51355			1050ppm	0.2 ppm					
			139.00	140.00	1.00		SAGD	51354			2100ppm	1.8 ppm					
			140.00	143.00	3.00		SAGD	51353			770ppm	0.2 ppm					
			143.00	146.00	3.00		AGD	51352			740ppm	0.1 ppm					
			146.00	149.00	3.00		AGD	51351			460ppm	1.4 ppm					
			149.00	152.00	3.00		AGD	51350			760ppm	0.1 ppm					
			152.00	155.00	3.00		AGD	51349			460ppm	0.1 ppm					
			155.00	158.00	3.00		AGD	51348			580ppm	0.2 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - B09 PAGE 5 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD										VALUES BELOW IN PPM UNLESS NOTED				
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			158.00	161.00	3.00		AGD	51347			740ppm	0.1 ppm					
			161.00	163.00	2.00		AGD	51346			710ppm	0.2 ppm					
			163.00	164.00	1.00		QV	51345			2700ppm	2.9 ppm					
			164.00	165.00	1.00		SAGD	51344			2800ppm	4.7 ppm					
			165.00	166.00	1.00		AGD	51343			2900ppm	17.6 ppm					
			166.00	167.00	1.00		AGD	51342			1200ppm	1.0 ppm					
			167.00	168.00	1.00		SAGD	51341			1000ppm	0.6 ppm					
			168.00	169.00	1.00		QV	51340			750ppm	0.5 ppm					
			169.00	170.00	1.00		AGD	51339			460ppm	4.4 ppm					
			170.00	173.00	3.00		AGD	51338			560ppm	9.9 ppm					
			173.00	176.00	3.00		AGD	51337			290ppm	0.1 ppm					
			0.00	0.00	0.00			0									
			0.00	0.00	0.00			0									
			182.00	185.00	3.00		AGD	51334			490ppm	0.2 ppm					
			185.00	188.00	3.00		AGD	51333			460ppm	0.2 ppm					
			188.00	191.00	3.00		AGD	51332			520ppm	0.2 ppm					
			191.00	194.00	3.00		AGD	51331			540ppm	0.1 ppm					
			194.00	197.00	3.00		AGD	51330			780ppm	0.2 ppm					
			197.00	200.00	3.00		AGD	51329			310ppm	0.1 ppm					
			200.00	203.00	3.00		AGD	51328			330ppm	0.2 ppm					
			203.00	206.00	3.00		AGD	51327			550ppm	0.1 ppm					
			206.00	209.00	3.00		AGD	51326			460ppm	0.1 ppm					
			209.00	212.00	3.00		AGD	51325			490ppm	0.1 ppm					
			212.00	215.00	3.00		AGD	51324			420ppm	0.1 ppm					
			215.00	218.00	3.00		AGD	51323			500ppm	0.1 ppm					
			218.00	221.00	3.00		AGD	51322			1150ppm	0.2 ppm					
			221.00	224.00	3.00		AGD	51321			1150ppm	0.2 ppm					
			224.00	227.00	3.00		AGD	51320			1500ppm	0.2 ppm					
			227.00	230.00	3.00		AGD	51319			780ppm	0.1 ppm					
			230.00	233.00	3.00		AGD	51318			1450ppm	0.1 ppm					
			233.00	236.00	3.00		AGD	51317			430ppm	0.1 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 809 PAGE 6 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			236.00	239.00	3.00		AGD	51316			460ppm	< 0.1 ppm					
			239.00	242.00	3.00		AGD	51315			530ppm	0.1 ppm					
			242.00	245.00	3.00		AGD	51314			340ppm	< 0.1 ppm					
			245.00	248.00	3.00		AGD	51313			570ppm	0.2 ppm					
			248.00	251.00	3.00		AGD	51312			820ppm	0.2 ppm					
			251.00	254.00	3.00		AGD	51311			540ppm	0.1 ppm					
			254.00	257.00	3.00		AGD	51310			1800ppm	0.1 ppm					
			257.00	260.00	3.00		SCH	51309			1300ppm	0.1 ppm					
			260.00	263.00	3.00		SAGD	51308			590ppm	0.1 ppm					
			263.00	266.00	3.00		AGD	51307			720ppm	0.2 ppm					
			266.00	269.00	3.00		AGD	51306			470ppm	0.2 ppm					
			269.00	272.00	3.00		AGD	51305			270ppm	0.3 ppm					
			272.00	275.00	3.00		AGD	51304			275ppm	0.2 ppm					
			275.00	278.00	3.00		AGD	51303			380ppm	0.1 ppm					
			278.00	281.00	3.00		AGD	51302			360ppm	< 0.1 ppm					
			281.00	284.00	3.00		SAGD	51301			440ppm	< 0.1 ppm					
			284.00	287.00	3.00		SAGD	51300			550ppm	< 0.1 ppm					
			287.00	290.00	3.00		SAGD	51299			380ppm	< 0.1 ppm					
			290.00	293.00	3.00		AGD	51298			680ppm	0.3 ppm					
			293.00	294.50	1.50		QV	51297			1040ppm	3.3 ppm					
			294.50	296.00	1.50		AGD	51296			580ppm	0.6 ppm					
			296.00	299.00	3.00		SAGD	51295			360ppm	< 0.1 ppm					
			299.00	302.00	3.00		SAGD	51294			630ppm	0.1 ppm					
			302.00	305.00	3.00		SAGD	51293			570ppm	0.1 ppm					
			305.00	308.00	3.00		SAGD	51292			860ppm	0.1 ppm					
			308.00	311.00	3.00		SAGD	51291			520ppm	< 0.1 ppm					
			311.00	314.00	3.00		AGD	51290			370ppm	0.1 ppm					
			314.00	317.00	3.00		SAGD	51289			560ppm	0.1 ppm					
			317.00	320.00	3.00		SAGD	51288			480ppm	0.2 ppm					
			320.00	323.00	3.00		SAGD	51287			370ppm	0.1 ppm					
			323.00	326.00	3.00		SAGD	51286			660ppm	0.1 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 810 PAGE 2 OF 3

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			2.00	5.00	3.00		GD	51247			195ppm	0.1 ppm					
			5.00	8.00	3.00		SCH	51248			165ppm	0.1 ppm					
			8.00	11.00	3.00		GD	51249			320ppm	0.1 ppm					
			11.00	14.00	3.00		GD	51250			143ppm	0.5 ppm					
			14.00	17.00	3.00		GD	51251			245ppm	0.1 ppm					
			17.00	20.00	3.00		GD	51252			230ppm	0.1 ppm					
			20.00	23.00	3.00		GD	51253			250ppm	0.2 ppm					
			23.00	26.00	3.00		AGD	51254			480ppm	0.1 ppm					
			26.00	29.00	3.00		AGD	51255			250ppm	0.1 ppm					
			29.00	32.00	3.00		GD	51256			300ppm	0.1 ppm					
			32.00	35.00	3.00		GD	51257			245ppm	0.1 ppm					
			35.00	38.00	3.00		GD	51258			260ppm	0.1 ppm					
			38.00	41.00	3.00		GD	51259			98ppm	0.1 ppm					
			41.00	44.00	3.00		GD	51260			330ppm	0.1 ppm					
			44.00	47.00	3.00		SAGD	51261			720ppm	0.1 ppm					
			47.00	50.00	3.00		AGD	51262			350ppm	0.2 ppm					
			50.00	53.00	3.00		AGD	51263			690ppm	0.2 ppm					
			53.00	56.00	3.00		AGD	51264			800ppm	0.1 ppm					
			56.00	59.00	3.00		AGD	51265			720ppm	0.1 ppm					
			59.00	62.00	3.00		SCH	51266			580ppm	0.1 ppm					
			62.00	65.00	3.00		AGD	51267			960ppm	0.1 ppm					
			65.00	68.00	3.00		AGD	51268			345ppm	0.2 ppm					
			68.00	71.00	3.00		AGD	51269			118ppm	0.1 ppm					
			71.00	74.00	3.00		AGD	51270			265ppm	0.1 ppm					
			74.00	77.00	3.00		AGD	51271			155ppm	0.1 ppm					
			77.00	80.00	3.00		METS	51272			500ppm	0.2 ppm					
			80.00	83.00	3.00		AGD	51273			650ppm	0.4 ppm					
			83.00	86.00	3.00		AGD	51274			285ppm	0.3 ppm					
			86.00	89.00	3.00		AGD	51275			315ppm	0.2 ppm					
			89.00	92.00	3.00		GD	51276			330ppm	0.1 ppm					
			92.00	95.00	3.00		GD	51277			270ppm	0.1 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. 88 -L- 811 PAGE 1 OF 2
 AREA: MAIN ZONE DIP: 0° AZIMUTH (t): 180° DEPTH: 117.00m
 CLAIM: LOGAN 8 NORTHING: -277 DATE STARTED: AUGUST 13D 1988
 SECTION: 1205 E EASTING: 1206 DATE FINISHED: AUGUST 15D 1988
 CORE SIZE: 2.0m at base ELEVATION: 1317 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: MATT KOKAN
 COMMENTS: TRENCH L-811 WAS DUG TO TEST A COINCIDENT I.P. AND Zn-AG SOIL GEOCHEMISTRY ANOMALY. APPROXIMATELY 5m OF WIDELY-SPACED WEAKLY MINERALIZED QUARTZ VEINING WAS INTERSECTED. THE TRENCH WAS ABANDONED AFTER REACHING THE TARGET LENGTH OF 120m.
UTM COORDINATES: NORTH END NORTHING 6708574.00 EASTING 420693.00
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED		
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
0.00	0.00°	180.00°	0.00	18.60	18.60		AGD											
			18.60	23.00	4.40		SAGD											
			23.00	43.50	20.50		AGD											
			43.50	45.00	1.50		SAGD											
			45.00	48.40	3.40		AGD											
			48.40	49.60	1.20		SAGD											
			49.60	60.10	10.50		AGD											
			60.10	60.80	0.70		MGV											
			60.80	72.80	12.00		AGD											
			72.80	74.00	1.20		SAGD											
			74.00	93.00	19.00		AGD											
			93.00	99.00	6.00		SAGD											
			99.00	107.30	8.30		AGD											
			107.30	112.50	5.20		SAGD											
			112.50	117.00	4.50		AGD											
ASSAYS AND ANALYSES																		
			0.00	3.00	3.00		AGD	74266			80ppm	0.1 ppm						
			3.00	6.00	3.00		AGD	74265			100ppm	0.1 ppm						
			6.00	9.00	3.00		AGD	74264			60ppm	0.1 ppm						
			9.00	12.00	3.00		AGD	74263			78ppm	0.1 ppm						
			12.00	15.00	3.00		AGD	74262			140ppm	0.2 ppm						
			15.00	18.00	3.00		AGD	74261			95ppm	0.2 ppm						
			18.00	21.00	3.00		SAGD	74260			537ppm	1.0 ppm						
			21.00	22.00	1.00		SAGD	74259			562ppm	0.3 ppm						
			22.00	24.00	2.00		SAGD	74258			325ppm	0.1 ppm						
			24.00	27.00	3.00		AGD	74257			190ppm	0.2 ppm						
			27.00	30.00	3.00		AGD	74256			140ppm	0.1 ppm						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 88 - 811 PAGE 2 OF 2

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			30.00	33.00	3.00		AGD	74255			100ppm	0.1 ppm					
			33.00	36.00	3.00		AGD	74254			160ppm	0.1 ppm					
			36.00	39.00	3.00		AGD	74253			135ppm	0.2 ppm					
			39.00	42.00	3.00		AGD	74252			180ppm	0.2 ppm					
			42.00	45.00	3.00		SAGD	74251			102ppm	0.3 ppm					
			45.00	48.00	3.00		AGD	51500			120ppm	0.4 ppm					
			48.00	51.00	3.00		AGD	51499			128ppm	0.5 ppm					
			51.00	54.00	3.00		AGD	51498			72ppm	0.5 ppm					
			54.00	57.00	3.00		AGD	51497			130ppm	3.3 ppm					
			57.00	60.00	3.00		AGD	51496			142ppm	8.3 ppm					
			60.00	61.00	1.00		MGV	51495			1933ppm	35.69					
			61.00	63.00	2.00		AGD	51494			110ppm	0.1 ppm					
			63.00	66.00	3.00		AGD	51493			155ppm	0.1 ppm					
			66.00	69.00	3.00		AGD	51492			120ppm	0.3 ppm					
			69.00	72.00	3.00		AGD	51491			152ppm	0.2 ppm					
			72.00	75.00	3.00		AGD	51490			213ppm	0.1 ppm					
			75.00	78.00	3.00		AGD	51489			120ppm	0.1 ppm					
			78.00	81.00	3.00		AGD	51488			90ppm	0.1 ppm					
			81.00	84.00	3.00		AGD	51487			110ppm	0.1 ppm					
			84.00	87.00	3.00		AGD	51486			92ppm	0.1 ppm					
			87.00	90.00	3.00		AGD	51485			110ppm	0.1 ppm					
			90.00	93.00	3.00		SAGD	51484			150ppm	0.2 ppm					
			93.00	96.00	3.00		SAGD	51483			608ppm	0.3 ppm					
			96.00	99.00	3.00		SAGD	51482			140ppm	0.1 ppm					
			99.00	102.00	3.00		AGD	51481			80ppm	0.1 ppm					
			102.00	105.00	3.00		AGD	51480			53ppm	0.1 ppm					
			105.00	108.00	3.00		SAGD	51479			93ppm	0.2 ppm					
			108.00	111.00	3.00		SAGD	51478			430ppm	0.3 ppm					
			111.00	114.00	3.00		SAGD	51477			471ppm	0.8 ppm					
			114.00	117.00	3.00		AGD	51476			652ppm	0.2 ppm					

PROPERTY LOGAN D.D.H. 88 -L- 812 PAGE 1 OF 5
 AREA: MAIN ZONE DIP: 0 ° AZIMUTH (I): 180 ° DEPTH: 111.00m
 CLAIM: LOGAN 5 NORTHING: 214 DATE STARTED: AUGUST 16D 1988
 SECTION: 685 E EASTING: 681 DATE FINISHED: AUGUST 19D 1988
 CORE SIZE: 2.0m at base ELEVATION: 1379 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: PAUL CONROY
 COMMENTS: TRENCH L-812 WAS DUG TO TEST GRADE AND CONTINUITY OF MAIN ZONE MINERALIZATION AT SURFACE ABOVE THE SECTION FORMED BY DDH 87-L-44, APPROXIMATELY 40m OF WEAK ARSENOPYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE TRENCH WAS ABANDONED AFTER PASSING THE TARGET LENGTH OF 100m.
 UTM COORDINATES: NORTH END NORTHING 6708684.00 EASTING 419983.00
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD ; VALUES BELOW IN PPM UNLESS NOTED ;														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	180.00°	0.00	5.00	5.00		AGD										
			5.00	8.40	3.40		SCH										
			8.40	13.00	4.60		AGD										
			13.00	14.00	1.00		SAGD										
			14.00	28.00	14.00		AGD										
			28.00	31.00	3.00		SAGD										
			31.00	38.00	7.00		GM										
			38.00	54.60	16.60		AFD										
			54.60	60.60	6.00		FQP										
			60.60	64.00	3.40		AGD										
			64.00	65.20	1.20		AFD										
			65.20	70.00	4.80		AGD										
			70.00	71.00	1.00		GM										
			71.00	75.50	4.50		AFD										
			75.50	80.00	4.50		GM										
			80.00	87.00	7.00		SAGD										
			87.00	90.80	3.80		AGD										
			90.80	94.00	3.20		SAGD										
			94.00	111.00	17.00		AGD										
ASSAYS AND ANALYSES																	
			0.00	1.00	1.00		AGD	74284			1860ppm	0.4 ppm					
			1.00	2.00	1.00		AGD	74285			1480ppm	0.4 ppm					
			2.00	3.00	1.00		AGD	74286			1340ppm	0.1 ppm					
			3.00	4.00	1.00		AGD	74287			1130ppm	0.4 ppm					
			4.00	5.00	1.00		AGD	74288			2500ppm	0.4 ppm					
			5.00	6.00	1.00		SCH	74289			990ppm	0.8 ppm					
			6.00	7.00	1.00		SCH	74290			1060ppm	0.9 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 812 PAGE 2 OF 5

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t	
			7.00	8.00	1.00		SCH	74291			1280ppm	0.7 ppm						
			8.00	9.00	1.00		AGD	74292			850ppm	0.5 ppm						
			9.00	10.00	1.00		AGD	74293			268ppm	1.3 ppm						
			10.00	11.00	1.00		AGD	74294			580ppm	2.0 ppm						
			11.00	12.00	1.00		AGD	74295			1020ppm	0.4 ppm						
			12.00	13.00	1.00		AGD	74296			650ppm	0.2 ppm						
			13.00	14.00	1.00		SAGD	74297			490ppm	0.6 ppm						
			14.00	15.00	1.00		AGD	74298			570ppm	0.4 ppm						
			15.00	16.00	1.00		AGD	74299			460ppm	0.9 ppm						
			16.00	17.00	1.00		AGD	74300			470ppm	0.7 ppm						
			17.00	18.00	1.00		AGD	74301			380ppm	1.3 ppm						
			18.00	19.00	1.00		AGD	74302			316ppm	1.4 ppm						
			19.00	20.00	1.00		AGD	74303			372ppm	5.2 ppm						
			20.00	21.00	1.00		AGD	74304			470ppm	2.2 ppm						
			21.00	22.00	1.00		AGD	74305			980ppm	0.3 ppm						
			22.00	23.00	1.00		AGD	74306			1170ppm	1.2 ppm						
			23.00	24.00	1.00		AGD	74307			126ppm	1.2 ppm						
			24.00	25.00	1.00		AGD	74308			276ppm	0.7 ppm						
			25.00	26.00	1.00		AGD	74309			450ppm	1.3 ppm						
			26.00	27.00	1.00		AGD	74310			460ppm	1.5 ppm						
			27.00	28.00	1.00		AGD	74311			450ppm	2.0 ppm						
			28.00	29.00	1.00		SAGD	74312			324ppm	2.7 ppm						
			29.00	30.00	1.00		SAGD	74313			224ppm	0.38						
			30.00	31.00	1.00		SAGD	74314			370ppm	0.21						
			31.00	32.00	1.00		GM	74315			182ppm	0.42						
			32.00	33.00	1.00		SAGD	74316			194ppm	0.19						
			33.00	34.00	1.00		SAGD	74317			280ppm	0.27						
			34.00	35.00	1.00		GM	74318			590ppm	4.28						
			35.00	36.00	1.00		SAGD	74319			780ppm	14.43						
			36.00	37.00	1.00		SAGD	74320			440ppm	6.89						
			37.00	38.00	1.00		GM	74321			800ppm	15.24						
CONTINUED																		

PROPERTY LOGAN D.D.H. L 88 - 812 PAGE 3 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			38.00	39.00	1.00		AFD	74322			610ppm	10.92					
			39.00	40.00	1.00		AFD	74323			324ppm	2.22					
			40.00	41.00	1.00		AFD	74324			240ppm	1.32					
			41.00	42.00	1.00		AFD	74325			218ppm	0.95					
			42.00	43.00	1.00		AFD	74326			230ppm	1.53					
			43.00	44.00	1.00		AFD	74327			194ppm	0.71					
			44.00	45.00	1.00		AFD	74328			272ppm	2.60					
			45.00	46.00	1.00		AFD	74329			240ppm	1.71					
			46.00	47.00	1.00		AFD	74330			164ppm	2.98					
			47.00	48.00	1.00		QV	74331			148ppm	2.90					
			48.00	49.00	1.00		AFD	74332			178ppm	1.29					
			49.00	50.00	1.00		AFD	74333			188ppm	1.30					
			50.00	51.00	1.00		AFD	74334			144ppm	1.50					
			51.00	52.00	1.00		AFD	74335			104ppm	0.48					
			52.00	53.00	1.00		AFD	74336			118ppm	0.47					
			53.00	54.00	1.00		AFD	74337			112ppm	0.50					
			54.00	55.00	1.00		AFD	74338			96ppm	0.40					
			55.00	56.00	1.00		FQP	74339			134ppm	0.27					
			56.00	57.00	1.00		FQP	74340			156ppm	0.41					
			57.00	58.00	1.00		FQP	74341			142ppm	0.53					
			58.00	59.00	1.00		FQP	74342			316ppm	0.59					
			59.00	60.00	1.00		FQP	74343			174ppm	0.53					
			60.00	61.00	1.00		AFD	74344			170ppm	0.40					
			61.00	62.00	1.00		AGD	74345			200ppm	0.93					
			62.00	63.00	1.00		AGD	74346			1580ppm	0.15					
			63.00	64.00	1.00		AGD	74347			1530ppm	0.22					
			64.00	65.00	1.00		AFD	74348			382ppm	0.60					
			65.00	66.00	1.00		AGD	74349			1260ppm	1.19					
			66.00	67.00	1.00		AGD	74350			1280ppm	1.76					
			67.00	68.00	1.00		AFD	74351			340ppm	0.42					
			68.00	69.00	1.00		AGD	74352			124ppm	12.1 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 812 PAGE 4 OF 5

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD															
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t	
			69.00	70.00	1.00		AGD	74353			146ppm	3.8 ppm						
			70.00	71.00	1.00		GM	74354			118ppm	1.1 ppm						
			71.00	72.00	1.00		AFD	74355			500ppm	0.9 ppm						
			72.00	73.00	1.00		AFD	74356			328ppm	0.8 ppm						
			73.00	74.00	1.00		AFD	74357			44ppm	0.4 ppm						
			74.00	75.00	1.00		AFD	74358			24ppm	0.4 ppm						
			75.00	76.00	1.00		AFD	74359			142ppm	6.4 ppm						
			76.00	77.00	1.00		GM	74360			56ppm	1.4 ppm						
			77.00	78.00	1.00		GM	74361			336ppm	0.7 ppm						
			78.00	79.00	1.00		GM	74362			720ppm	0.3 ppm						
			79.00	80.00	1.00		GM	74363			1120ppm	7.0 ppm						
			80.00	81.00	1.00		SAGD	74364			86ppm	0.5 ppm						
			81.00	82.00	1.00		SAGD	74365			102ppm	0.6 ppm						
			82.00	83.00	1.00		SAGD	74366			88ppm	0.2 ppm						
			83.00	84.00	1.00		SAGD	74367			136ppm	4.4 ppm						
			84.00	85.00	1.00		SAGD	74368			28ppm	0.4 ppm						
			85.00	86.00	1.00		SAGD	74369			30ppm	0.4 ppm						
			86.00	87.00	1.00		SAGD	74370			48ppm	1.4 ppm						
			87.00	88.00	1.00		AGD	74371			68ppm	0.6 ppm						
			88.00	89.00	1.00		AGD	74372			66ppm	0.3 ppm						
			89.00	90.00	1.00		AGD	74373			800ppm	0.5 ppm						
			90.00	91.00	1.00		AGD	74374			152ppm	0.1 ppm						
			91.00	92.00	1.00		SAGD	74375			268ppm	0.7 ppm						
			92.00	93.00	1.00		SAGD	74376			116ppm	0.5 ppm						
			93.00	94.00	1.00		SAGD	74377			54ppm	0.8 ppm						
			94.00	95.00	1.00		AGD	74283			880ppm	0.1 ppm						
			95.00	96.00	1.00		AGD	74282			840ppm	0.2 ppm						
			96.00	97.00	1.00		AGD	74281			780ppm	0.2 ppm						
			97.00	98.00	1.00		AGD	74280			730ppm	0.5 ppm						
			98.00	99.00	1.00		AGD	74279			580ppm	0.2 ppm						
			99.00	100.00	1.00		AGD	74278			2300ppm	0.7 ppm						
									CONTINUED									

PROPERTY LOGAN D.D.H. 88 -L- 813 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: 0 ° AZIMUTH (t): 180 ° DEPTH: 78.00m
 CLAIM: LOGAN 2 NORTHING: 193 DATE STARTED: AUGUST 19D 1988
 SECTION: 200 W EASTING: -177 DATE FINISHED: AUGUST 21D 1988
 CORE SIZE: 2.0m at base ELEVATION: 1379 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: PAUL CONROY
 COMMENTS: TRENCH L-813 WAS DUG TO TEST THE GRADE AND CONTINUITY OF MAIN ZONE MINERALIZATION AT SURFACE. APPROXIMATELY 20m OF LOW TO MEDIUM GRADE SPHALERITE-PYRITE WAS INTERSECTED. THE TRENCH WAS CLOSED AFTER PASSING THROUGH THE FOOTWALL FAULT.
 UTM COORDINATES: NORTH END NORTHING 6708183.00 EASTING 419289.00
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	180.00°	0.00	1.00	1.00		AGD										
			1.00	7.80	6.80		SAGD										
			7.80	9.60	1.80		AFD										
			9.60	14.50	4.90		AGD										
			14.50	37.20	22.70		AFD										
			37.20	40.00	2.80		AGD										
			40.00	40.60	0.60		MBV										
			40.60	42.10	1.50		AGD										
			42.10	43.00	0.90		MBV										
			43.00	48.10	5.10		AGD										
			48.10	49.30	1.20		MBV										
			49.30	50.80	1.50		AGD										
			50.80	51.70	0.90		MBV										
			51.70	61.00	9.30		AFD										
			61.00	65.00	4.00		GM										
			65.00	67.10	2.10		SAGD										
			67.10	69.00	1.90		AGD										
			69.00	71.10	2.10		SAGD										
			71.10	78.00	6.90		AGD										
ASSAYS AND ANALYSES																	
			0.00	1.00	1.00		AGD	74454			205ppm	0.1 ppm					
			1.00	2.00	1.00		SAGD	74453			1050ppm	1.1 ppm					
			2.00	3.00	1.00		SAGD	74452			1300ppm	0.8 ppm					
			3.00	4.00	1.00		SAGD	74451			1850ppm	0.7 ppm					
			4.00	5.00	1.00		SAGD	74450			1500ppm	0.3 ppm					
			5.00	6.00	1.00		SAGD	74449			3800ppm	1.5 ppm					
			6.00	7.00	1.00		SAGD	74448			3000ppm	7.4 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 813 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Aq oz/t	Sn	Cu	Pb	As	Au oz/t
			38.00	39.00	1.00		AGD	74416			3900ppm	7.7 ppm					
			39.00	40.00	1.00		AGD	74415			3700ppm	8.8 ppm					
			40.00	41.00	1.00		MQV	74414			4000ppm	0.82					
			41.00	42.00	1.00		AGD	74413			2300ppm	0.43					
			42.00	43.00	1.00		MQV	74412			9400ppm	1.71					
			43.00	44.00	1.00		AGD	74411			4600ppm	0.38					
			44.00	45.00	1.00		AGD	74410			4600ppm	0.33					
			45.00	46.00	1.00		AGD	74409			3400ppm	0.33					
			46.00	47.00	1.00		AGD	74408			4300ppm	0.27					
			47.00	48.00	1.00		AGD	74407			2900ppm	0.23					
			48.00	49.00	1.00		MQV	74406			10200ppm	1.11					
			49.00	50.00	1.00		AGD	74405			2400ppm	0.25					
			50.00	51.00	1.00		MQV	74404			1900ppm	0.22					
			51.00	52.00	1.00		MQV	74403			2400ppm	0.40					
			52.00	53.00	1.00		AFD	74402			550ppm	0.44					
			53.00	54.00	1.00		AFD	74401			480ppm	0.31					
			54.00	55.00	1.00		AFD	74400			480ppm	9.0 ppm					
			55.00	56.00	1.00		AFD	74399			490ppm	5.9 ppm					
			56.00	57.00	1.00		AFD	74398			670ppm	2.1 ppm					
			57.00	58.00	1.00		AFD	74397			345ppm	1.5 ppm					
			58.00	59.00	1.00		AFD	74396			192ppm	2.1 ppm					
			59.00	60.00	1.00		AFD	74395			205ppm	3.0 ppm					
			60.00	61.00	1.00		AFD	74394			275ppm	1.2 ppm					
			61.00	62.00	1.00		GM	74393			350ppm	0.9 ppm					
			62.00	63.00	1.00		GM	74392			600ppm	0.9 ppm					
			63.00	64.00	1.00		GM	74391			480ppm	0.5 ppm					
			64.00	65.00	1.00		GM	74390			320ppm	1.9 ppm					
			65.00	66.00	1.00		SAGD	74389			560ppm	1.1 ppm					
			66.00	67.00	1.00		SAGD	74388			220ppm	1.1 ppm					
			67.00	68.00	1.00		AGD	74387			195ppm	1.7 ppm					
			68.00	69.00	1.00		AGD	74386			285ppm	1.2 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. 88 -L- 814 PAGE 1 OF 7
 AREA: MAIN ZONE DIP: 0 ° AZIMUTH (t): 180 ° DEPTH: 206.00m
 CLAIM: LOGAN 3 NORTHING: 248.5 DATE STARTED: AUGUST 21D 1988
 SECTION: 275 E EASTING: 285 DATE FINISHED: AUGUST 25D 1988
 CORE SIZE: 2.0m at base ELEVATION: 1390 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: PAUL CONROY
 COMMENTS: TRENCH L-814 WAS DUG TO TEST GRADE AND CONTINUITY OF THE MAIN ZONE DEPOSIT AT SURFACE. APPROXIMATELY 120m OF WEAK TO MODERATE GRADE SPHALERITE-ARSENOPYRITE MINERALIZATION WAS INTERSECTED. THE TRENCH WAS ABANDONED AT THE TARGET LENGTH OF 200m.
UTM COORDINATES: NORTH END NORTHING 6708506.00 EASTING 419661.00
 NOTE: All azimuths are set relative to grid north - 324.41° TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD													VALUES BELOW IN PPM UNLESS NOTED	
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	180.00°	0.00	3.40	3.40		GM										
145.00	0.00°	176.00°	3.40	10.00	6.60		AGD										
			10.00	16.90	6.90		SAGD										
			16.90	18.10	1.20		MQV										
			18.10	22.00	3.90		AGD										
			22.00	22.70	0.70		QV										
			22.70	25.60	2.90		AGD										
			25.60	27.80	2.20		GM										
			27.80	29.00	1.20		SAGD										
			29.00	32.00	3.00		AGD										
			32.00	37.60	5.60		SAGD										
			37.60	39.00	1.40		AGD										
			39.00	40.40	1.40		MQV										
			40.40	41.20	0.80		AGD										
			41.20	43.80	2.60		AFD										
			43.80	59.80	16.00		AGD										
			59.80	62.70	2.90		GM										
			62.70	66.30	3.60		AGD										
			66.30	67.20	0.90		SAGD										
			67.20	112.00	44.80		AGD										
			112.00	112.70	0.70		MQV										
			112.70	118.00	5.30		AGD										
			118.00	119.20	1.20		QV										
			119.20	123.70	4.50		AGD										
			123.70	128.80	5.10		AFD										
			128.80	130.10	1.30		GM										
			130.10	133.90	3.80		QV										
			133.90	137.60	3.70		AFD										
			137.60	138.50	0.90		SAGD										
			138.50	143.40	4.90		AFD										
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 814 PAGE 3 OF 7

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			26.00	29.00	3.00		GM	74468			840ppm	1.7 ppm					
			29.00	32.00	3.00		AGD	74469			565ppm	0.6 ppm					
			32.00	35.00	3.00		SAGD	74470			730ppm	6.0 ppm					
			35.00	38.00	3.00		SAGD	74471			490ppm	2.0 ppm					
			38.00	39.00	1.00		AGD	74472			300ppm	2.9 ppm					
			39.00	40.00	1.00		MQV	74473			680ppm	4.5 ppm					
			40.00	41.00	1.00		AGD	74474			1560ppm	18.7 ppm					
			41.00	42.00	1.00		AFD	74475			765ppm	10.9 ppm					
			42.00	43.00	1.00		AFD	74476			740ppm	32.0 ppm					
			43.00	44.00	1.00		AGD	74477			1860ppm	19.3 ppm					
			44.00	45.00	1.00		AGD	74478			445ppm	3.9 ppm					
			45.00	46.00	1.00		AGD	74479			3600ppm	26.9 ppm					
			46.00	47.00	1.00		AGD	74480			530ppm	5.4 ppm					
			47.00	48.00	1.00		AGD	74481			670ppm	5.5 ppm					
			48.00	49.00	1.00		AGD	74482			420ppm	0.7 ppm					
			49.00	50.00	1.00		AGD	74483			880ppm	4.9 ppm					
			50.00	51.00	1.00		AGD	74484			620ppm	0.9 ppm					
			51.00	52.00	1.00		AGD	74485			305ppm	2.4 ppm					
			52.00	53.00	1.00		AGD	74486			620ppm	5.7 ppm					
			53.00	54.00	1.00		AGD	74487			680ppm	7.8 ppm					
			54.00	55.00	1.00		AGD	74488			1040ppm	4.70					
			55.00	56.00	1.00		AGD	74489			460ppm	0.76					
			56.00	57.00	1.00		AGD	74490			460ppm	2.79					
			57.00	58.00	1.00		AGD	74491			145ppm	0.33					
			58.00	59.00	1.00		AGD	74492			5900ppm	1.01					
			59.00	60.00	1.00		AGD	74493			3250ppm	1.53					
			60.00	61.00	1.00		GM	74494			120ppm	0.30					
			61.00	62.00	1.00		GM	74495			160ppm	0.22					
			62.00	63.00	1.00		AGD	74496			136ppm	0.39					
			63.00	64.00	1.00		AGD	74497			188ppm	1.37					
			64.00	65.00	1.00		AGD	74498			245ppm	0.21					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 814 PAGE 6 OF 7

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W.(m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			127.00	128.00	1.00		AFD	74561			78ppm	9.9 ppm					
			128.00	129.00	1.00		AFD	74562			70ppm	8.3 ppm					
			129.00	130.00	1.00		GM	74563			129ppm	17.0 ppm					
			130.00	131.00	1.00		QV	74564			185ppm	15.4 ppm					
			131.00	132.00	1.00		QV	74565			240ppm	26.3 ppm					
			132.00	133.00	1.00		QV	74566			390ppm	40.2 ppm					
			133.00	134.00	1.00		QV	74567			248ppm	32.7 ppm					
			134.00	135.00	1.00		AFD	74568			70ppm	29.7 ppm					
			135.00	136.00	1.00		AFD	74569			64ppm	12.7 ppm					
			136.00	137.00	1.00		AFD	74570			185ppm	13.3 ppm					
			137.00	138.00	1.00		AFD	74571			880ppm	3.5 ppm					
			138.00	139.00	1.00		SAGD	74572			200ppm	12.5 ppm					
			139.00	140.00	1.00		AFD	74573			132ppm	0.9 ppm					
			140.00	142.00	2.00		AFD	74574			222ppm	16.6 ppm					
			142.00	144.00	2.00		AFD	74575			1320ppm	3.3 ppm					
			144.00	146.00	2.00		GOSSN	74576			1630ppm	10.7 ppm					
			146.00	147.00	1.00		MQV	74577			6400ppm	7.8 ppm					
			147.00	148.00	1.00		GOSSN	74578			2300ppm	1.8 ppm					
			148.00	150.00	2.00		SAGD	74579			2400ppm	2.5 ppm					
			150.00	151.00	1.00		MQV	74580			4600ppm	15.5 ppm					
			151.00	152.00	1.00		SAGD	74581			670ppm	2.4 ppm					
			152.00	154.00	2.00		SAGD	74582			1340ppm	0.8 ppm					
			154.00	155.00	1.00		MQV	74583			4500ppm	2.7 ppm					
			155.00	157.00	2.00		GM	74584			4850ppm	0.1 ppm					
			157.00	159.00	2.00		GM	74585			3700ppm	2.5 ppm					
			159.00	161.00	2.00		AGD	74586			3000ppm	1.1 ppm					
			161.00	163.00	2.00		AGD	74587			870ppm	0.2 ppm					
			163.00	165.00	2.00		AGD	74588			4200ppm	0.5 ppm					
			165.00	167.00	2.00		AGD	74589			3000ppm	0.7 ppm					
			167.00	169.00	2.00		AGD	74590			1100ppm	0.6 ppm					
			169.00	171.00	2.00		AGD	74591			880ppm	1.4 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. 88-L-815 PAGE 1 OF 4
 AREA: MAIN ZONE DIP: 0° AZIMUTH (t): 180° DEPTH: 104.00m
 CLAIM: LOGAN 5 NORTHING: 208.5 DATE STARTED: AUGUST 25D 1988
 SECTION: 785 E EASTING: 811 DATE FINISHED: AUGUST 27D 1988
 CORE SIZE: 2.0m at base ELEVATION: 1378 m CONTRACTOR: ARCTIC DIAMOND DRILLING LTD
 CORE RECOVERY: 100 % CORE STORED AT: N/A LOGGED BY: PAUL CONROY
 COMMENTS: TRENCH L-815 WAS EMPLACED TO TEST THE GRADE AND CONTINUITY AT SURFACE IN THE MAIN ZONE DEPOSIT ABOVE HOLE 87-L-45. APPROXIMATELY 25m OF WEAK ARSENOPYRITE-SPHALERITE MINERALIZATION WAS INTERSECTED. THE TRENCH WAS TERMINATED AFTER PASSING THROUGH THE FOOTWALL FAULT.
 UTM COORDINATES: NORTH END NORTHING 6708753.00 EASTING 420095.00
 NOTE: All azimuths are set relative to grid north - 324.41' TN

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
0.00	0.00°	182.00	0.00	3.60	3.60		SAGD										
22.00	0.00°	178.00	3.60	16.00	12.40		AGD										
60.00	0.00°	179.00	16.00	16.80	0.80		GM										
			16.80	20.00	3.20		AGD										
			20.00	20.90	0.90		GM										
			20.90	27.00	6.10		SAGD										
			27.00	28.40	1.40		AGD										
			28.40	32.20	3.80		GM										
			32.20	46.30	14.10		AGD										
			46.30	47.20	0.90		SCH										
			47.20	48.40	1.20		AGD										
			48.40	62.30	13.90		AFD										
			62.30	66.00	3.70		AGD										
			66.00	70.00	4.00		GM										
			70.00	81.90	11.90		AGD										
			81.90	84.10	2.20		SAGD										
			84.10	104.00	19.90		AGD										
ASSAYS AND ANALYSES																	
			0.00	1.00	1.00		SAGD	74611			237ppm	22.7 ppm					
			1.00	2.00	1.00		AGD	74612			130ppm	6.8 ppm					
			2.00	3.00	1.00		AGD	74613			375ppm	2.7 ppm					
			3.00	4.00	1.00		AGD	74614			390ppm	8.8 ppm					
			4.00	5.00	1.00		AGD	74615			706ppm	1.2 ppm					
			5.00	6.00	1.00		AGD	74616			669ppm	1.6 ppm					
			6.00	7.00	1.00		AGD	74617			922ppm	1.4 ppm					
			7.00	8.00	1.00		AGD	74618			1005ppm	6.4 ppm					
			8.00	9.00	1.00		AGD	74619			558ppm	45.0 ppm					
CONTINUED																	

PROPERTY LOGAN D.D.H. L 88 - 815 PAGE 2 OF 4

AREA: _____ DIP: _____ AZIMUTH (t): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
			VALUES BELOW IN PPM UNLESS NOTED														
Depth	Dip	Az (t)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			9.00	10.00	1.00		AGD	74620			508ppm	4.7 ppm					
			10.00	11.00	1.00		AGD	74621			742ppm	2.0 ppm					
			11.00	12.00	1.00		AGD	74622			1054ppm	7.8 ppm					
			12.00	13.00	1.00		AGD	74623			612ppm	12.5 ppm					
			13.00	14.00	1.00		AGD	74624			403ppm	20.1 ppm					
			14.00	15.00	1.00		AGD	74625			352ppm	2.6 ppm					
			15.00	16.00	1.00		AGD	74626			680ppm	7.4 ppm					
			16.00	17.00	1.00		GM	74627			813ppm	0.7 ppm					
			17.00	18.00	1.00		AGD	74628			1636ppm	1.4 ppm					
			18.00	19.00	1.00		AGD	74629			570ppm	0.6 ppm					
			19.00	20.00	1.00		AGD	74630			994ppm	7.3 ppm					
			20.00	21.00	1.00		GM	74631			738ppm	3.7 ppm					
			21.00	22.00	1.00		SAGD	74632			838ppm	1.0 ppm					
			22.00	23.00	1.00		SAGD	74633			928ppm	1.6 ppm					
			23.00	24.00	1.00		SAGD	74634			1199ppm	4.0 ppm					
			24.00	25.00	1.00		SAGD	74635			617ppm	2.4 ppm					
			25.00	26.00	1.00		SAGD	74636			1236ppm	2.3 ppm					
			26.00	27.00	1.00		SAGD	74637			1476ppm	2.3 ppm					
			27.00	28.00	1.00		AGD	74638			1678ppm	1.1 ppm					
			28.00	29.00	1.00		GM	74639			923ppm	45.0 ppm					
			29.00	30.00	1.00		GM	74640			760ppm	32.0 ppm					
			30.00	31.00	1.00		GM	74641			675ppm	1.5 ppm					
			31.00	32.00	1.00		GM	74642			342ppm	1.4 ppm					
			32.00	33.00	1.00		AGD	74643			690ppm	1.3 ppm					
			33.00	34.00	1.00		AGD	74644			431ppm	1.0 ppm					
			34.00	35.00	1.00		AGD	74645			773ppm	0.6 ppm					
			35.00	36.00	1.00		AGD	74646			540ppm	3.6 ppm					
			36.00	37.00	1.00		AGD	74647			670ppm	2.1 ppm					
			37.00	38.00	1.00		AGD	74648			556ppm	3.4 ppm					
			38.00	39.00	1.00		AGD	74649			646ppm	1.2 ppm					
			39.00	40.00	1.00		AGD	74650			495ppm	1.1 ppm					
								CONTINUED									

PROPERTY LOGAN D.D.H. L 88 - 815 PAGE 3 OF 4

AREA: _____ DIP: _____ AZIMUTH (I): _____ DEPTH: _____
 CLAIM: _____ NORTHING: _____ DATE STARTED: _____
 SECTION: _____ EASTING: _____ DATE FINISHED: _____
 CORE SIZE: _____ ELEVATION: _____ CONTRACTOR: _____
 CORE RECOVERY: _____ CORE STORED AT: _____ LOGGED BY: _____
 COMMENTS: _____

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
Depth	Dip	Az (I)	From (m)	To (m)	Int. (m)	T.W. (m)	Geology	Sample No.	Rec. %	S.G.	Zn %	Ag oz/t	Sn	Cu	Pb	As	Au oz/t
			40.00	41.00	1.00		AGD	74651			541ppm	0.7 ppm					
			41.00	42.00	1.00		AGD	74652			629ppm	0.5 ppm					
			42.00	43.00	1.00		AGD	74653			388ppm	0.8 ppm					
			43.00	44.00	1.00		AGD	74654			597ppm	0.6 ppm					
			44.00	45.00	1.00		AGD	74655			315ppm	17.3 ppm					
			45.00	46.00	1.00		AGD	74656			416ppm	8.4 ppm					
			46.00	47.00	1.00		SCH	74657			243ppm	2.5 ppm					
			47.00	48.00	1.00		AGD	74658			355ppm	4.5 ppm					
			48.00	49.00	1.00		AFD	74659			370ppm	1.7 ppm					
			49.00	50.00	1.00		AFD	74660			467ppm	4.1 ppm					
			50.00	51.00	1.00		AFD	74661			314ppm	3.6 ppm					
			51.00	52.00	1.00		AFD	74662			351ppm	2.8 ppm					
			52.00	53.00	1.00		AFD	74663			272ppm	1.9 ppm					
			53.00	54.00	1.00		AFD	74664			481ppm	3.6 ppm					
			54.00	55.00	1.00		AFD	74665			172ppm	9.3 ppm					
			55.00	56.00	1.00		AFD	74666			266ppm	3.9 ppm					
			56.00	57.00	1.00		AFD	74667			179ppm	1.0 ppm					
			57.00	58.00	1.00		AFD	74668			273ppm	1.4 ppm					
			58.00	59.00	1.00		AFD	74669			360ppm	1.7 ppm					
			59.00	60.00	1.00		AFD	74670			160ppm	1.8 ppm					
			60.00	61.00	1.00		AFD	74671			42ppm	1.9 ppm					
			61.00	62.00	1.00		AFD	74672			41ppm	6.9 ppm					
			62.00	63.00	1.00		AGD	74673			96ppm	4.2 ppm					
			63.00	64.00	1.00		AGD	74674			151ppm	3.9 ppm					
			64.00	65.00	1.00		AGD	74675			63ppm	2.2 ppm					
			65.00	66.00	1.00		AGD	74676			73ppm	7.5 ppm					
			66.00	67.00	1.00		GM	74677			1761ppm	1.7 ppm					
			67.00	68.00	1.00		GM	74678			3040ppm	1.9 ppm					
			68.00	69.00	1.00		GM	74679			2189ppm	4.0 ppm					
			69.00	70.00	1.00		GM	74680			1929ppm	1.0 ppm					
			70.00	72.00	2.00		AGD	74681			740ppm	0.7 ppm					
								CONTINUED									

