

DIAMOND DRILL REPORT

Hole No. 1004 - Oriental Location 3758.50 CO-ORDINATES: N 7500 E 13500Elevation Collar 3758.50 Direction of hole Dip of hole Date Started April 11/52 Date finished June 14/52 Large core from BX 106 to 301Small core from AX 301 to 1139

Core Recovery

Date	Depth		% Rec	General	Economic
	From	to			
				0 - 106	Overburden
				106 - 243 - 292	Grey-green very soft, shaly, sandstone to tuff. Fine to med. grained. Somewhat fissile. Very finely to lightly disseminated pyrite. Some calcite introduction. Shearing - 35° to core. Could be original bedding. Some chert developed. Lump of siliceous calcite introduction from 220 - 232. Look like mygdaloid. Lumps up to 1/4".
				251 - 257	Siliceous introduction with Pb-Zn mineralization - 2" at 254' 6" at 253'
				292 - 301	Heavily silicified zone - about 50% Pb grey-green, hard. Supr. chloritic flecks. in siliceous mass. Also felds. grains? about 5%. Also looks like some quartz grains. (May have been as - int. garnet or dacite tuff originally. or Pb-Zn mineralization. 298.5' - 299' Fractured - minor shear. Siliceous tuff as 106 - 292. Silicified zone - as 292 - 301. Cubic original feldspar. Intermediate tuff. Some of frags. or amorph. probably due to silicification. Finely disseminated pyrite. Trace Pb-Zn in 312 - 313. Fractured - minor shear. Trace Pb-Zn 361.
				301 - 311	
				311 - 382 - 396	

251.5 - 257.3

Probably
falsified
intermediate
tuff

DIAMOND DRILL REPORT

Hole No. 1004 D.D. Location CO-ORDINATE N
 Elevation Collar Direction of hole Dip of hole
 Date Started Date finished Large core from to
 Small core from to

Date

Core Recovery

Depth	% Rec.	
	From	to
BED ROCK		
106 ft		
106 109	0.6	
109 112	1.0	
112 116	1.2	28.
116 124	3.5	44
124 127	2.3	
127 130	2.0	
130 134	1.2	55
134 137	1.6	
137 143	1.6	35
143 146	0.5	
146 152	2.2	30
152 158	2.0	
158 163	1.6	33
163 167	1.5	
167 173	4.8	63
173 179	5.6	93
179 185	5.1	
185 190	4.3	85
190 198	6.7	85
198 203	5.0	100
203 213	9.4	100
213 223	10.6	100
223 232	9.1	100
232 243	10.0	91
243 248	5.0	100
248 254	5.0	
254 257	1.9	85
257 265	8.8	100

General

Economic

396-581-623 Grey-green, mainly unsilicified
 clastic of intermed. to fine. Full
 of small siliceous & carbonaceous lumps - sometimes
 like amygdaloids, other times like phenos.
 No fragments. Some narrow silicified zones
 where most silicified

Interval 311-396 only, not silicified
 { 434-530 f.p. stuff - no lumps. soft.
 541-

finely dissem. pyrite only in silicified areas.
 fairly massive.

No silicification 490-530. Or very little - light
 finely dissem. pyrite

* 530-541 heavily silicified. Conc'd. finely
 dissem. pyrite. In core PB-2m

541-581-623 silicified in zones - lumpy appearance
 where silicified. & hard. Some of siliceous

mass have brownish stain. traces pyrite.
 finely dissem. pyrite where silicified. of inf. silicification
 considerable. Silicification of pale grey color
 from 589-606.

Blocky pale grey from 606-612, 615-620 desc. & heard.
 * Block PB-2m at 609' f.p.

620-623.

Some small frags in stuff.

DIAMOND DRILL REPORT

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 Elevation Collar Direction of hole Dip of hole
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Small core from to

Date	Core Recovery		% Rec.	General	Economic
	From	to			
	265	274	8.0	98	623-692-711-833-936 Hard, coarse, reddish, brownish greyish mottled appearance. Fragments from latite to inter. from quartz in matrix. Silica massive. Some fractured zones with streaks of sug. Barren 664-678 - very few frags. No bedding. Coarse, even grained. grit 690-715 a few frags near end. Feld, feld. chips of lava. - 1.5% buff material. Some fine grained portions - buff. - No sorting or bedding. fairly massive.
	274	281	7.3	100	
	281	291	10.5	100	
	291	301	10.0	100	
	301	311	7.2	72	
	311	318	2.0		
	318	321	4.3	63	
	321	330	6.4	71	
	330	336	4.8	80	
	336	346	8.2	82	
	346	356	9.4	94	735-800 agglomerate again. Considerable fracturing 751-771-794. Mainly even grained grit - coarse 800-853-880. No sorting.
	356	360	3.6	90	
	360	370	6.7	67	
	370	374	1.4		
	374	379	2.4	42	
	379	386	2.8	40	
	386	390	1.9		
	390	396	5.1	70	
	396	402	5.2		
	402	406	4.2	94	
	406	411	2.0		936-960 Hard, f. gr. Silica in intermediate flow. Buff buff. Bleached - greenish & brownish mottling. Siliceous alteration. Of about 50% feldspar. 5% quartz. Phenocrysts. Narrow crushed zone at contact.
	411	417	3.3	48	
	417	426	9.1	100	
	426	436	9.4	94	
	436	442	4.8		
	442	445	1.6		
	445	455	9.4		
	455	466	9.7		
	466	475	7.2		
	475	482	5.9		
					960-962-711 Silica, quartz, feldspar, massive, buff to grey & buff grey. Bleached inter vol. grit to large aggl. zone. Bleached inter. zone. Frags - 10% - siliceous altered feldspar. 7% - feldspar. Hard. Mainly buff 960-963, 977-991. Considerable fracturing 977-991. Flecks of feldspar. 967.

DIAMOND DRILL REPORT

Hole No. 1004 Location CO-ORDINATE N to
 Elevation Collar to Direction of hole to Dip of hole to
 Date Started 1004 Date finished to Large core from to
 Small core from to

Date	Core Recovery			General	Economic
	From	to	% Rec.		
	482	487	4.4	88	971-1048 Bleached pale grey & yellowish green. Hard inter. aggl. Typical of the horizon type. Some frags. - fine - almost bedded. Few flecks. Pyrite. Matrix is - mainly coarse - buff - argill. shales. Lava. Some fine grey tuff. Matrix masked in heavily fractured 971-1010.
	487	497	9.6	96	
	497	508	10.1	94	
	508	518	10.2	100	
	518	528	10.0	100	
	528	538	8.9	89	
	538	548	10.0	100	
	548	551	1.8	60	
	551	560	7.6	84	
	560	567	6.5	93	
	567	577	8.4	84	1048-1086-1093. Fine to med. - fairly hard - inter. tuff - somewhat silic. siliceous pyrite. A few thin frags. Dark grey & pale greenish grey. Definitely a tuff. Trace Pb-Zn at 1070. Some shales 11070-10772. Very poor recovery 1070-1093 - no soft rock recovered. Apparently considerable crushing 1800 ft. shelling - washed away.
	577	581	1.4	40	
	581	591	10.1	100	
	591	601	10.1	100	
	601	611	8.7	87	
	611	618	4.6	66	
	618	628	6.8	68	
	628	638	10.0	100	
	638	640	2.0		
	640	643	2.7		
	643	648	2.6	73	1093-1139 Reddish-brown, hard, med. to coarse, even grained. Grit - yeld. Grit. Some grey green gritty tuff. 1104-1105 (shelled & schist. & traces pyrite). Considerable crushing & shelling up to 1132. Poor recovery. No soft. Crushed or sheared rock recovered - washed away. Barren. No Bedding.
	648	652	1.0		
	652	659	7.1	75	
	659	669	10.2	100	
	669	678	8.5	94	
	678	683	3.4		
	683	688	4.4	76	
	688	698	9.1	91	
	698	701	1.9		
	701	705	2.7	66	

1139 - END.

over

DIAMOND DRILL REPORT

Hole No. 1004 Location D.D. CO-ORDINATE: N. 1

Elevation Collar Direction of hole Dip of hole

Date Started Date finished Large core from to

#1004 D.D.

Small core from to

Date

Core Recovery

Depth			% Rec.
From	to		
705	712	6.5	93
712	715	1.3	
715	717	1.3	96
717	722	2.7	53
722	730	7.3	91
730	735	5.0	
735	742	6.5	96
742	751	7.3	81
751	755	1.6	40
755	764	2.8	31
764	766	0.6	
766	771	3.2	54
771	781	3.8	38
781	787	2.1	37
787	794	4.1	59
794	800	4.2	70
800	805	3.2	
805	809	3.9	79
809	814	4.1	
814	817	2.6	84
817	821	3.4	
821	827	5.8	92
827	836	8.4	93
836	844	6.3	79
844	851	3.8	
851	853	1.4	58
853	863	9.5	95
863	870	6.8	
870	874	4.2	100
874	879	4.9	94
879	884	4.5	

General

Economic

960-964 Gritty felds. inter - tuff with some muscovite
alter. clastic tuff

964-979 Volc. congl. & calc. grit. Some hard greyish
grit in matrix. Flecks pyrite. One horizon.

979-991 Brn. felds. tuff as 960-964 but with some
volc. grit & rough matrix

991-1004 Inter. tuff. f. & gritty. Heavy siliceous
Also some chert to 1048. A few buff & pale grey siliceous.
inter. la. frags. to 1046. A few patches with erratic
yellowish-green alteration in tuff. Bleached & mottled coloring to
1048. Minor siliceous & bleaching & only occurs. frag. 1048-
Nevadite Pb-Zn 1055

1064-1093 Hard f. grey & grey-green inter. plane.
A few very tiny yellow felds.
Conoid. fracture 1067-1076, Heavy fracture 1076-1093.

1093- Some crushing Arkose grit. Some calc. tuff 1104-1106
Heavy fracture

1093-
960/93
1

DIAMOND DRILL REPORT

Hole No. 1004 Location CO-ORDINATE N EElevation Collar Direction of hole Dip of holeDate Started D. D. 1004 Date finished Large core from toSmall core from to

Date

Core Recovery

Depth			% Rec.
From	to		
884	888	3.7	
888	891	3.2	99
891	896	3.5	
896	900	2.1	
900	903	1.1	56
903	913	10.0	100
913	921	7.4	92
921	927	2.7	45
927	931	1.1	
931	936	4.3	60
936	938	1.1	
938	945	5.1	67
945	955	5.5	55
955	962	6.6	94
962	971	6.8	75
971	979	7.0	88
979	985	2.0	
985	991	1.4	28
991	997	0.9	15
997	1004	0.4	6
1004	1010	0.7	12
1010	1017	3.8	54
1017	1025	4.7	
1025	1028	1.7	58
1028	1037	5.8	73
1037	1042	10.5	100
1042	1057	10.3	100
1057	1067	8.7	87
1067	1087	1.5	

General

Economic

DIAMOND DRILL REPORT

Hole No. Location CO-ORDINATES: N E
 Elevation Collar Direction of hole Dip of hole
 Date Started Date finished Large core from to
 S. D. Hole 1004 Small core from to

Date

Core Recovery

Depth

From

to

% Rec.

General

Economic

1019	1070	1.1	90
1070	1076	2.3	38
1076	1086	0.9	9
1086	1090	0.5	12
1090	1091	0.3	
1091	1098	0.4	9
1098	1104	0.4	7
1104	1108	1.9	
1108	1112	0.7	32
1112	1115	1.1	
1115	1121	2.4	39
1121	1126	0.5	
1126	1130	2.0	28
1130	1132	0.6	
1132	1139	3.3	43

Date Started Date finished Large core from to

Small core from _____ to _____

DATE	CORE RECOVERY			% REC.	GENERAL	ECONOMIC
	DEPTH					
	FROM	TO				
					- 918 - 936	diabase, coarse, dark.
					936 - 960	Trachyte to sill.
					960 - 964	Dacite - altered.
						silica - very fine. Small gully.
						gully. - brownish alteration.
					964 - 979	Volc. congl. - volc. gels. matrix. all types.
						silic. flow, a few large inter. Not many large.
						frag. glassid. dissem. pyrite. common.
						some fields. stiff in matrix 1974 - 79.
					979 - 991	Stiff fields. stiff - some volc. congl. & volc.
						grt. light pyrite. Fractured. calcite.
					991 - 1017	Int. aggl. - 79. inter. stiff slightly. soft, chloritized.
						Altered, quite a few inter. 6" frag. - altered fields. Common.
						silicification, marking also yellowish alteration.
					1017 - 1063	Aggl. slightly. quartz. inter. stiff. ch.
						Minor silicification to 1055. Common. silicified. 1055 -
					1063 - 1093	Trachyte or dacite sill. Many altered fields.
					1093 -	Diabase - grt.