

DIAMOND DRILL REPORT

Hole No. 3894.56 Location CO-ORDINATES: N 15844.4 E 9993.3
 Evaluation Collar Direction of hole Down Dip of hole V. sh.
 Date Started April 16/71 Date finished Nov 15/71 Large core from 27-41 to
2837 Import Small core from 41- to

DATE	CORE RECOVERY				GENERAL	AX Caving 0-41	ECONOMIC
	DEPTH			% REC.			
	FROM	TO					
					0-27	Quartzite	
					27-72-204-294-426		
						Andesite. Buff. Dark grey green, fair. Fairly, 50/4. 11.5' to 12.5' - calcite breccia. "	

DIAMOND DRILL REPORT

Hole No. Location CO-ORDINATES; N E

Evaluation Collar Direction of hole Dip of hole

Date Started Date finished Large core from to

Small core from to

DATE	CORE RECOVERY			GENERAL	ECONOMIC
	DEPTH		% REC.		
	FROM	TO			
Bed Rock	27	41		617-621 Andes. tuff band	65° to core
A.X. Casing	27	41	14.1	621-621.5 Fragmental pyrite -	tr's chalco
	41	46	5.0	621.5-2 very coarse "	tr. chalco
	46	51	3.4		
	51	61	9.8	626-2 fragmental -	weathered dacite tuff/frag
	61	71	9.5		
	71	81	10.0	673-718	
	81	92	10.2	Andes. tuff. Frag. Fairly soft.	
	92	102	10.5	Structureless. None or minor foliation.	
	102	108	3.3	Very coarse pyrite weathered on surface	
	108	116	4.6	693'-2" of gatz. weaning with conid. pyrite-chalco	
	116	126	8.4	704.5-702	
	126	136	10.0		
	136	146	9.2	718-763 H.c. type again. as above	
	146	156	9.5	Dacite. Grey-green.	4 few gnaty grains
	156	166	10.3	Occur. little pyrite. No foliation.	
	166	176	2.6	743-745 greyish, conid. fairly dense pyrite	
	176	186	9.2		
	186	196	10.1	763-764 grey f.g. gritty tuff. Looks like	
	196	206	10.0	mudstone. Inter. tuff	
	206	216	4.7		
	216	221	2.1	764-773.5 Brown altered felds. porphy. - sh. ch. -	
	221	228	2.3	Fairly hard. Felds. planes - altered	
	228	237	6.1	Contacts 65° + 75° to core	
	237	247	10.5		
	247	257	5.3	773.5-774.5 lighter grey-green to greyish f.g. tuff.	
	257	266	1.9	Fairly soft. Inter. tuff.	
	266	274	6.0		
	274	284	8.0		
	284	294	8.9		

DIAMOND DRILL REPORT



Hole No. _____ Location _____ CO-ORDINATES: N _____ E _____

Evaluation Collar _____ Direction of hole _____ Dip of hole _____

Date Started _____ Date finished _____ Large core from _____ to _____

Small core from _____ to _____

H. 2837

DATE	CORE RECOVERY			GENERAL	ECONOMIC
	DEPTH		% REC.		
	FROM	TO			
	294	304	9.0	774.5-788-317-375-961-1047-1131-1164.5	
	304	314	6.1	Basite XT dr grit. 50-	60% grit-fills
	314	323	5.4	1/2" chl. matrix. Brn-green.	Occur. small frag. torn
	323	328	1.8		
	328	338	9.7	805-817 Db Altered. Figs.	Fractured - calcite
	338	348	10.2	817-2 grit	
	348	358	10.2	818-821. 1/2" pieces with grit	Calcite
	358	368	10.1	825-832. 1/2" & few frags.	1/2" basite & calcite
	368	378	10.3	entire.	
	378	389	10.3	834.5-867 Db. Hard	chilled border 30° to
	389	399	10.3	conc. Basite, co. grit	Greenish black
	399	410	10.3	Contact. 50° to core	85°
	410	420	10.3	867-2 grit	
	420	430	10.2	876.5-890.5 Db. Chilled border, conc. cent.	
	430	440	10.2	micronic. Contacts 50 + 30° to core	
	440	448	7.4	890.5-2 grit. massive	
	448	458	10.0	898-952 somewhat buff tinted and more	
	458	468	10.1	intense in appearance	
	468	478	5.4	1000-2 gradual increase in fracturing & veining	
	478	488	8.3	980-1001 Db. sill	
	488	496	6.3	1002.5-1004.5 " "	as 11-11.
	496	501	6.4	1012.5-1020 " "	
	501	509	6.2	1021.5-1023 " "	
	509	519	8.5	1028-1042 " "	
	519	529	10.1	1043.5-1046.5 " "	
	529	539	8.7	1068-1077 " "	
	539	549	10.3	1092.5-1097 " "	
	549	559	10.0	1108-2 consid. fracturing & veining	
	559	569	9.7	1123.5-1127 db sills	
				1128-1130 " "	

DIAMOND DRILL REPORT

Hole No. _____ Location _____ CO-ORDINATES: N _____ E _____

Evaluation Collar _____ Direction of hole _____ Dip of hole _____

Date Started _____ Date finished _____ Large core from _____ to _____

Small core from _____ to _____

DATE	CORE RECOVERY			GENERAL	ECONOMIC
	DEPTH		% REC.		
	FROM	TO			
	569	579	8.5	1131.5 - 1143	Db. sill, (cont) fracture & calcite
	579	586	7.0	1160.5 - 1161	" "
	586	596	10.1	1163 - 1164	" "
	596	606	10.2		
	606	616	10.2	1164.5 - 1196	
	616	621	4.0		
	621	631	10.4	Inter. tuff. Brassy brownish silty granite	matrix brownish
	631	640	9.3	in hard silty. very fine matrix	to about 1172'
	640	650	9.3	dark grey sil. Slightly grey-green	
	650	653	3.2	fractured - epidote; minor calcite	
	653	661	7.8	the grains could be felds. grains	
	661	666	4.0	contact broken	
	666	667	0.8	1196 - 3190 - 3259 - 3400 - 3641 - 3673 - 3817 -	
	667	671	2.6	Amyg. & porphy. andes. flow	greenish black
	671	673	2.7	Co. amyg. fine felds	consid. fracture & veining
	673	683	10.3		
	683	693	9.0	1305 - 1355	Co. andes. tuff - tiny chips. Green large
	693	703	10.6	frag.	
	703	713	10.5	1350 - 51	grey silty band
	713	723	10.2		
	723	733	10.2	1355 - 1362	Db. 45° to core
	733	743	10.0	1362 - 1420	co. tuff - chip tuff as above
	743	753	9.5	1388 - 1415	some bedded tuff 45° - 55° to core
	753	763	6.7		
	763	773	10.0	1420 - 1477 - 1509	amyg. & porphy. andes. flow
	773	783	10.2		brucian
	783	793	10.0	1509 - 1542	amyg. & porphy. andes. flow
	793	803	10.1	1542 - 1547	top andes. tuff
	803	813	10.4		
4.0					

DIAMOND PILL REPORT

CO-ORDINATES: N



Direction of hole

Dip of hole

Date finished

Large core from

to

Small core from

to

RECOVERY		GENERAL	ECONOMIC
	% REC.		
10.2		1547-1561.5	andes. aggl & tuff
8.3			med aggl
9.1		1561.5-1567.5	chilled andes flow. Black
9.2			structureless
8.1		1567.5-1569	fg. andes tuff
7.0		1569-1570-1601	chilled, structureless
10.1			aggl. silic. Gray green, greyish, hard
10.4			molled tuff or inter. flow. Flowband - aggl &
6.3			silic. veining. 1579-1581 20 ft, dark
10.6			green chl. gritty andes. tuff hard
10.0		1589.5-1601	Buff colored, very hard, 1/4"
10.3			silic. structureless
10.1		1599-1599.5 chl. patch	looks tuffaceous.
10.3		1601-1613	co. inter. chap. tuff & aggl.
10.0			chip tuff to 1601'
10.3		1604-5	hematite & fused & masked.
10.0		1608.5-1609.5	Amys. andes. flow. - Boulder
10.3		1612-13	hard, welded tuff.
10.2			
6.3		1613-1618	Amys. andes flow.
10.0			Paint hematite, consid. fracture & veining
10.3		1618-1622	Welded inter. tuff. Hard, inter.
10.3			partly chloritized, hematite stained
10.4		1622-1629.5	Db 45° to cov. 27 gr
10.2			Greenish black. 1629.5-1646-1703-1731-1788-1874-1932-2032
9.7			Amys. andes. flow. Greenish black
8.8			med. gr. to fine gr. Fractured - white
4.7		1675-→	consider. fracture & veining

DIAMOND HOLE REPORT

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Evaluation Collar _____ Direction of hole _____ Dip of hole _____

Date Started _____ Date finished _____ Large core from _____ to _____

Small core from _____ to _____

H2837

DATE	CORE RECOVERY			% REC.		GENERAL	ECONOMIC
	DEPTH						
	FROM	TO					
	1081	1088	7.4			1812-1831	Aggl. zone, 2 ft. buff. matrix
	1088	1099	9.4				Chloritized
	1099	1108	10.0			1854-1855.5	cherty buff. sand - consid. pyrite
	1108	1118	10.3	consid. veining →		1898 →	chilled, structureless flow
	1118	1128	10.4			1900 → 1932 → 1941	Pyritic streaks & gels intrud.
	1128	1138	10.0				also lightly dissemin. pyrite. Pyritic
	1138	1148	10.0				streaks heavy pyrite
	1148	1158	10.1				also greenish alteration - chromite?
	1158	1169	10.0			1941-1965	fine, highly amyg.
	1169	1179	10.3				massive and flow fractured & veined
	1179	1189	9.7				
	1189	1192	3.1			1965-1986	pyritic as above
	1192	1197	3.9			1986-1996	as 1941-65
	1197	1203	6.1				
	1203	1213	10.2			1990.5-1994	db. sill. 7 ft. 65° to core
	1213	1223	10.3			1996-2017	Pyritic - no amyg.
	1223	1233	10.1				
	1233	1243	10.0			2017-2032	Db. sill 7 in. to 10.
	1243	1253	10.3			2032-2048-2077-2089	
	1253	1263	10.1				dark purplish gray & gray, green, purplish brown, fine lam. g. inter. flow. Numerous small vague felds. phenos. Fractured & veined. Very occas. patch with gels amyg.
	1263	1273	10.2				
	1273	1283	10.0				
	1283	1293	10.0				
	1293	1303	10.3				
	1303	1313	10.2			2089-2111	Db. 25° to core.
	1313	1323	10.3				Chilled border. med. g.
	1323	1333	10.1			2111-2149	same inter. flow as above but fissured, fragmental appearance.
	1333	1343	10.0				
	1343	1353	9.8			2145.5-2148.5	steep db. dyke
	1353	1363	10.1			2147-2149	db. 35° to core

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H. 2837

DATE	CORE RECOVERY				GENERAL	ECONOMIC
	DEPTH		%	REC.		
	FROM	TO				
	1363	1373	10.2		2149 → amygd. andes. gradational from inter	
	1373	1383	10.1		2152.5 - 2155 Db. 35° to core	
	1383	1393	10.0		2149 → more consistently amygd. brecciated, fragmental	
	1393	1403	10.1		2187 → 2312 strongly brecciated to	
	1403	1410	7.4		grt size fragmental, amygd. +	
	1410	1420	10.0		vague foliation in places	
	1420	1430	10.0		2149 → looks like LiSa H.W. andesite. Gradational phases	
	1430	1438	8.0		2174.5 - 2181 chilled db strip, follows core	
	1438	1448	10.2		in + out	
	1448	1458	10.0		2312 → 2329 - 2354 Co. fragmental - brecciated	
	1458	1468	9.8		amygd. andes. 70% black	
	1468	1478	10.0		2354 → 2369 amygd. + co. (all)	
	1478	1488	10.0		2369 → 2681 - 85 brecciated amygd. + porphy.	
	1488	1496	9.1			
	1496	1504	7.0		2625 - 2635 Db. 40° to core	
	1504	1514	9.8		med. gr.	
	1514	1524	10.2		2685 → 2190 - 3252 amygd. + porphy. flow,	
	1524	1534	9.8		fractured mainly, also some	
	1534	1544	10.2		flow breccia	
	1544	1554	10.0		3252 - 3259 - 3270 fgn. andes. flow Occas.	
	1554	1560	6.8		amygd. only	
	1560	1570	10.0		3270 - 3553 - 3635 amygd. + porphy. andes.	
	1570	1580	10.3		flow breccia	
	1580	1589	10.0		3391 → consid. fracture & veining	
	1589	1599	9.0		3442 - 3450.5 andes. cell. 55° to core	
	1599	1608	9.0		a few felds. phos. blacked	
	1608	1618	10.4		marginal. Blackening w. adjoining	
	1618	1628	10.3		breccia	
	1628	1637	10.8		3464.5 - 3483.5 felds. porphy. Patchy	
	1637	1648	10.3		colored. Co. felds. fgn. matrix 10-15% to	
8.0	1637	1648	10.3		phos. Enatic contact more or less at 90°	
					Faintly massive	

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	DEPTH			% REC.		
	FROM	TO				
	1648	1658	9.9		3483.5- 3495-	Db 40° to core
	1658	1668	10.2		at 3483.5'. 7.97 chilled border	
	1668	1678	9.8			
	1678	1688	10.5		3495- 3500	Amyg. andes.
	1688	1698	10.1		alters.	
	1698	1708	10.1		3500 - 3502.5	Field porphy. as
	1708	1718	10.3		above. Contacts broken.	
	1718	1728	9.4		3502.5-3511	Altered andes. 1/4
3-2	1728	1738	10.0		Rarely amyg. patches	
	1738	1748	10.0		3511-3553-	Amyg. & porphy.
	1748	1758	10.6		Andes. flow breccia	Looks like
1-1	1758	1768	10.3		L.S. H.W. type in part,	
	1768	1778	10.0		3635-3730-3754.5 amyg. flow breccia	
	1778	1788	10.1		sections rarely porphy. look like Clevelandite	
	1788	1798	10.2		3663-3663.5	co. full patch
	1798	1808	9.9		poply amyg. areas look like	
	1808	1818	9.3		L.S. H.W.	
3-5	1818	1826	9.9		3754.5-3788- 3798	Db. chilled border 35° to core
	1826	1836	10.0		Becomes co. gr.	massive
	1836	1846	10.4		fracture texture	Typical
	1846	1856	10.1			
	1856	1866	10.0		3798-3856-	Amyg. & porphy. andes.
5-2	1866	1876	10.2		flow breccia	
	1876	1886	10.1			
	1886	1896	10.0		3856- 3863.5	Db. sill. Contacts
6-9	1896	1906	9.7		65° + 60° to core	7.97
	1906	1916	10.4		fractured & veined	
	1916	1926	10.1			
6-0	1926	1936	10.3			
	1936	1946	9.8			

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H 2837

DATE	CORE RECOVERY			GENERAL	ECONOMIC
	DEPTH		% REC.		
	FROM	TO			
	1946	1956	10.6	3863.5 - 3881 + co. full in a cor. full section - carrying folds, altitude in range thrust. 3870 - 3881 Not same as previous andes Basal F.W.	Amgg + porph. andes aggl. A few amgg. + porphyro fragments carrying silic. clasts from + alteration 3870 - 3881 faint hematite staining Looks like
4.5	1956	1966	9.8		
	1966	1976	6.4		
	1976	1986	9.3		
7.9	1986	1996	8.2		
	1996	2004	1.8		
	2004	2010	1.5		
	2010	2018	1.0		
	2018	2027	5.2		
	2027	2035	5.4		
	2035	2045	8.6	3881 End	
3.1	2045	2049	3.9		
	2049	2059	10.7		
17.6	2059	2079	20.4		
	2079	2099	20.5		
6.2	2099	2119	14.6		
14.0	2119	2136	17.0		
	2136	2156	21.2		
6.0	2156	2176	14.7		
14.7	2176	2196	20.7		
	2196	2216	18.9		
1.6	2216	2236	20.5		
14.2	2236	2256	20.1		
	2256	2276	20.2		
	2276	2296	12.4		
4.3	2296	2316	18.8		
	2316	2336	3.4		
	2336	2356	0.9		
	2356	2376	17.4		
2.6	2376	2396	10.7		

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	DEPTH					
	FROM	TO				
10.3	2346	2366	20.2			
	2366	2384	18.5			
0.6	2384	2404	19.9			
10.2	2404	2424	20.6			
18.8	2424	2444	19.5			
	2444	2464	20.2			
7.9	2464	2484	20.7			
	2484	2500	14.8			
6.7	2500	2519	19.4			
11.7	2519	2538	15.4			
	2538	2556	18.6			
6.7	2556	2576	19.5			
16.5	2576	2596	20.3			
	2596	2611	13.9			
11.7	2611	2625	13.1			
	2625	2640	13.6			
13.0	2640	2660	20.4			
	2660	2680	20.5			
1.2	2680	2700	20.4			
10.1	2700	2716	16.1			
	2716	2736	20.6			
2.0	2736	2756	20.5			
0.9	2756	2776	19.6			
19.3	2776	2796	20.3			
	2796	2812	16.4			
11.1	2812	2832	20.0			
	2832	2852	20.2			
	2852	2872	20.2			
9.1	2872	2892	20.1			

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	DEPTH		% REC.		
	FROM	TO			
	2892	2906	12.3		
	2906	2926	19.7		
12.9	2926	2946	20.0		
	2946	2966	20.0		
1.8	2966	2986	20.1		
11.2	2986	3006	20.2		
	3006	3026	19.9		
	3026	3044	17.3		
	3044	3054	11.0		
	3054	3074	19.8		
9.2	3074	3094	20.0		
18.7	3094	3114	19.9		
	3114	3134	20.3		
7.8	3134	3154	20.4		
17.0	3154	3174	20.3		
	3174	3194	20.2		
5.4	3194	3204	9.3		
	3204	3224	19.9		
5.2	3224	3244	20.2		
13.8	3244	3264	20.0		
	3264	3284	19.5		
2.3	3284	3304	20.0		
11.6	3304	3324	20.2		
19.5	3324	3344	24.0		
	3344	3364	17.2		
6.8	3364	3384	18.2		
	3384	3386	5.7		
11.1	3386	3403	13.1		
	3403	3423	18.2		

Small core from to

DATE	CORE RECOVERY			% REC.	GENERAL	ECONOMIC
	DEPTH					
	FROM	TO				
13.2	3412	3447	20.0			
18.1	3447	3462	19.7			
	3462	3479	15.9			
	3479	3484	4.9			
	3484	3494	6.7			
	3494	3501	4.2			
	3501	3521	20.9			
3.5	3521	3541	20.0			
12.5	3541	3561	20.3			
	3561	3581	20.4			
1.1	3581	3596	15.1			
15.4	3596	3616	20.1			
	3616	3636	20.1			
4.0	3636	3654	14.3			
18.7	3654	3674	20.3			
	3674	3694	19.8			
7.4	3694	3714	20.0			
16.5	3714	3733	19.4			
	3733	3753	20.3			
5.4	3753	3773	20.1			
14.5	3773	3793	19.6			
	3793	3812	18.3			
5.5	3812	3824	11.6			
	3824	3839	8.6			
	3839	3840	0.2			
	3840	3852	9.3			
3.5	3852	3872	20.0			
	3872	3881	4.2			