

DIAMOND HILL REPORT



Hole No. _____ Location _____ CO-ORDINATES: N 16853.7 E 9988.35

Evaluation Collar 3915.36 Direction of hole _____ Dip of hole _____

Date Started April 15/71 Date finished June 23/71 Large core from By core 40-50 to _____

8838 Handed Report. Small core from AX u 50- to _____

DATE	CORE RECOVERY			GENERAL	AX using 0-50	ECONOMIC
	DEPTH		% REC.			
	FROM	TO				
				0-10	Overburden	
				40-69	Dark grey-green for soft, foliated andes. Stiff. Fragments calcite fillings along foliation Chloritized. Foliation 35-50° to core	
				69-178-323	Dacite. Hard, wh. buff grey & buff grey-green very light finely dissemin. pyrite. 81-2 brownish tinted areas, and a few quartz phenos. Traces pyrite. Areas with locally common. But, quartz definitely dacitic. Probably tinted tuff Foliated, not as strongly as above andesite. Chloritized. Calcite staining. In general carries quartz phenos.	
				323-327	Andesite tuff Chloritic	
				327-339	Dacite. Fine gr. Buff colored. Some complete fragmentations. Contact 65° to core at 339.	
				339-1266-1351-1380-1491-1519-1583.5	Brit. Buff colored, fr. becomes gradually coarser to a med. to co. gr. Color becomes darker & brownish. Massive. A few calcite fill. fractures. Hard, silice. Feldspathic. 352-359.5 fine gr. - bluish, altered. Mottled colors. 359.5-361 Dk 65° to core. Grey green Fgs 361.5-362 Felds. (perthite) - interwoven.	
				Arise horizon		

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 _____

H. 2838. Small core from _____ to _____

DATE	CORE RECOVERY			% REC.	GENERAL	ECONOMIC
	DEPTH					
	FROM	TO				
Bed Rock	40	40			361 → typical arkose grit	Brownish grey.
B. x.	40	50			364-68.5 Db altered.	Grey green. Fractured - calc.
A. L.	50	56	5.4		380-81 'andes. tuff.	
	56	60	3.6		401-418.5 Db altered.	Dark green. Chloritic
	60	67	7.7		Fractured - calcite & epidote.	Actually andes. comp. little dip
	67	75	6.3		422-430	as 401-418.5
	75	83	7.3			
	83	88	4.8	definitely a grit	436 →	closer to a dense grit - grey-green
	88	96	8.4	none or minor / gr. matrix (2 x tuff).	442-484	as above. all
	96	101	3.2		494-496	" - dyke -
	101	106	4.2		500.5-502-519	" as above -
	106	109	3.1		532-536	" " "
	109	110	2.0		586.5-609	" "
	110	116	3.8		614.5-619	" "
	116	126	10.4		634-645	" "
	126	136	10.2		645.5-663	" "
	136	146	10.1		686.5-690	" "
	146	152	6.2		704-750.5	" "
	152	162	9.7		806-821.5	" "
	162	172	10.4		825.5 →	grit less brownish tints
	172	182	10.3		851-857	Db all
	182	188	5.5		862-870	" "
	188	195	7.2		872-876	" "
	195	201	5.8		891.5-902	" "
	201	204	2.8		902-914	grit - greyish co.
	204	211	6.8		914-945	Db all 65° to core
	211	213	2.1		945-1094	grit brownish tints co.
	213	222	9.7		mesquite	1410 → med. to fine gr. & greyish
	222	236	9.2			

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

Small core from _____ to _____

H 2838

DATE	CORE RECOVERY			% REC.	GENERAL	ECONOMIC
	DEPTH					
	FROM	TO				
	232	235	3.0		1494-1509.5 Db. Contacts 30° & 40° to core	
	235	243	8.0		1509.5-1519 grey & black colored gntz. med. gr.	
	243	249	6.1		1519-1543.5 Db. Contacts 20° to core & 30° to core	
	249	253	3.3		1543.5 → 1st. gntz. faint bedding 45-50° to core	
	253	260	7.6		1578-1583 detrital db.	
	260	262	2.1		1583-1583.5 grey gnt.	
	262	272	10.3			
	272	282	10.1	1583.5-1613.		
	282	288	4.7		Inter. chip aggl & chips. suff. Grey gntz.	
	288	295	8.4		1st. hard int. lava chips, chl. chips. Gt. ch. in some	
	295	300	4.7		chips. fine amyg. chips	
	300	302	1.3		Minor fracturing & veining	
	302	304	1.1		1612-13 1st. suff. Contact 50° to core	
	304	312	5.0			
	312	322	9.6	1613-1629-1636		
	322	330	8.3		1st. grey green, fairly suff. very exc. amyg.	
	330	338	7.4		at various structures Interflow	
	338	348	10.1		fractured - calcite & epidote	
	348	356	7.0	1636-1646	Db. 60° to core & 55° to core	
	356	366	10.2		Fractured. No veining or minor	
	366	376	8.5		Grey black, fine to med. gr.	
	376	382	5.3			
	382	392	7.0	1646-1655	Inter. suff. 1st. slightly grey 1656-58	
	392	400	2.6		1648-1655 co. chip suff. to aggl. as above.	
	400	406	4.0		Conoid. fracture. Alt. Minor veining	
	406	410	2.9			
	410	413	1.1	1655-1674-1686		
	413	418	1.9		Black 1st. amyg. under flow. Light amyg.	
	418	422	1.5		Strong fracture & veining. No amyg. to 1670'	
	422	431	0.9			

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Date Started Date finished Large core from to

Small core from to

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DATE	CORE RECOVERY				GENERAL	ECONOMIC
	DEPTH			% REC.		
	FROM	TO				
	431	436	3.6		1686-1708.5	Inter. stuffs. Partly washed, sorted.
	436	442	3.9			Gritty, white to 1700. Welded 1700-1703 Hard, white.
	442	449	6.7		1703-2	gritty, darker. again 1706-5 partly welded.
	449	457	4.3			
	457	467	9.4		1708.5-1712-1719	Db. 70' to cor.
	467	474	4.3			Fine to med. gr. Dark green
	474	479	1.4			
	479	489	10.0		1719-1724-1813.	trachytic?
	489	495	5.6			Folds inter. stuffs Welded. Grey-green
	495	500	5.0		Bleached, altered, partly chl. Heavy chloritization in patches	
	500	509	3.9		1743-2	hard, siliceous, brownish, strongly folded,
	509	514	2.3			no alteration. Looks like Chem. trachyte.
	514	519	2.5			Same as 1719-1743 except no alteration
	519	525	0.9		1762-2	partly altered, chl. same. Not
	525	530	1.2			consistently folded. Bleached, mottled colors.
	530	532	1.0			Some hematite staining. Consist. fracture.
	532	544	2.1			Some patches partly crushed
	544	552	7.9			1815-5 gritty, little patches grey green,
	552	562	10.3			chl. along with hematite stained siliceous
	562	572	10.2			large round crushed welded pieces.
	572	581	9.0			
	581	588	7.9			
	588	589	0.8			
	589	599	1.2			
	599	609	1.6			
	609	615	3.2			
	615	620	2.2			
	620	630	10.5			
	630	640	10.1			
					1843' End	

DIAMOND FULL 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. 2838

DATE	CORE RECOVERY			GENERAL	ECONOMIC
	DEPTH		% REC.		
	FROM	TO			
	640	650	10.2		
	650	659	5.9		
	659	667	7.6		
	667	672	4.2		
	672	677	5.1		
	677	682	4.7		
	682	689	5.4		
	689	693	1.3		
	693	703	9.8		
	703	711	8.3		
	711	721	10.3		
	721	729	6.2		
	729	735	1.4		
	735	743	3.4		
	743	748	3.3		
	748	751	3.5		
	751	757	1.3		
	757	767	10.0		
	767	777	11.3		
	777	787	9.4		
	787	797	10.3		
	797	805	3.4		
	805	812	3.8		
	812	817	4.2		
	817	821	4.6		
	821	829	7.0		
	829	831	1.8		
	831	837	3.9		
	837	847	8.7		
	847	859	8.6		

DIAMOND DRILL REPORT



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Small core from _____ to _____

H 2838

DATE	CORE RECOVERY			% REC.	GENERAL	ECONOMIC
	DEPTH					
	FROM	TO				
	859	867	8.2			
	867	875	8.6			
	875	877	1.9			
	877	882	5.0			
	882	888	4.5			
	888	890	1.3			
	890	900	10.2			
	900	909	9.8			
	909	919	10.2			
	919	929	10.4			
	929	935	5.7			
	935	940	4.1			
	940	946	2.3			
	946	953	3.2			
	953	963	9.5			
	963	968	4.9			
	968	974	5.0			
	974	982	4.1			
	982	990	6.2			
	990	1000	10.2			
	1000	1010	10.4			
	1010	1020	9.8			
	1020	1030	10.3			
10 6	1030	1041	7.4			
	1041	1048	3.8			
	1048	1054	5.6			
	1054	1064	10.0			
10 4	1064	1074	10.3			
	1074	1087	7.8			
	1087	1099	10.1			

Small core from _____ to _____

DATE	CORE RECOVERY			% REC.	GENERAL	ECONOMIC
	DEPTH					
	FROM	TO				
	1094	1104	10.4			
	1104	1114	9.8			
	1114	1124	10.5			
	1124	1134	9.8			
	1134	1144	7.7			
	1144	1154	10.6			
	1154	1162	8.0			
	1162	1172	10.1			
	1172	1181	9.3			
	1181	1191	10.2			
	1191	1201	10.0			
	1201	1211	10.6			
	1211	1221	10.3			
	1221	1231	10.0			
	1231	1241	10.1			
	1241	1251	10.1			
	1251	1261	10.2			
	1261	1271	10.4			
	1271	1281	10.1			
	1281	1291	10.3			
	1291	1301	10.4			
	1301	1311	10.3			
	1311	1321	10.3			
	1321	1331	10.3			
	1331	1341	10.0			
	1341	1351	10.2			
	1351	1362	10.7			
	1362	1372	10.3			
8.2	1372	1382	10.4			

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DATE	CORE RECOVERY			% REC.	GENERAL	ECONOMIC
	DEPTH					
	FROM	TO				
	1382	1392	10.2			
	1392	1402	10.6			
	1402	1412	10.2			
	1412	1422	10.3			
	1422	1432	10.5			
	1432	1441	8.6			
	1441	1451	10.1			
	1451	1460	9.4			
	1460	1470	10.0			
	1470	1480	10.1			
	1480	1490	9.6			
	1490	1496	4.8			
	1496	1506	10.5			
	1506	1511	5.0			
	1511	1521	10.3			
	1521	1526	5.1			
	1526	1533	6.1			
	1533	1543	10.7			
	1543	1553	10.0			
	1553	1563	9.9			
	1563	1573	9.7			
	1573	1578	5.2			
	1578	1583	5.1			
	1583	1593	10.8			
	1593	1603	10.5			
	1603	1613	10.1			
	1613	1623	11.2			
	1623	1633	10.3			
	1633	1641	8.0			

Small core from to

[illegible]