

PROJECT UJV HOLE TH 12 LOCATION ZONE S5 CORE SIZE BQ STARTED 02/09/99 FINISHED 04/09/99 PAGE 1 OF 3
CLAIM GROUP TOMBSTONE LENGTH 302' DIP -50° AZIMUTH 000° COLLAR ELEVATION 4912' DRILLED BY CARON LOGGED BY Eaton

GEOLOGICAL DESCRIPTION	SAMPLE NUMBER	RADIO-ACTIVITY IN CPS BGS-ISL	GEOCHEMISTRY AND ASSAY			% RECOV	GEOLOGY	STRUCTURE		HOLE DEPTH (FEET)	MOUNT SOPRIS GAMMA PROBE LOG	
			1% U ₃ O ₈ ppm U	ppm Cu					to core			
0-11': <u>OVERBURDEN</u> : Tinguaitite and syenite boulders in glacial till and talus.										5		
11'-36.5': <u>MIXED TINGUAITE</u> : weakly altered pseudoleucite tinguaitite bands or lenses mixed with sheared tinguaitite at a ratio of 3:2. The plt consists of 15-25%, 3mm to 18mm, anhedral to subhedral altered pl phenocrysts, 1-2%, 1/2-5mm, light grey to white orthoclase phenocrysts and 1/2%, 4mm black mafic phenocrysts in a medium grey aphanitic groundmass. The altered pl phenocrysts typically exhibit a 0.2mm light grey rim with a mottled white medium grey interior. The grey color is probably due to weak biotite alteration; in places up to 10% of the phenocrysts are strongly altered to biotite. Similarly the milky white portion of the phenocrysts is probably a clay alteration and a faint greenish tint seen locally is probably due to sericitization. The sheared tinguaitite is a mottly grey tan with very few recognizable pl phenocrysts. The shearing has weakly brecciated and foliated the tinguaitite, in addition the sheared rock has been more extensively altered to biotite and sericite. The fractures are open and are weakly coated with clay and/or yellow brown limonite. The foliation is consistently at 45° to core axis. The rock contains 0.1% disseminated pyrite.	H37764		18.5			95		50° to 60°	3-4'	10		
	H37765		19					80° to 90°	2-3'	15		
	H37766		13					20° to 30°	1/5'	20		
	H37767		21					50° to 60°	1-3/2'	25		
	H37768		19.5					80° to 90°	1/2-2'	30		
36.5'-53.1': <u>WEAKLY ALTERED PSEUDOLEUCITE TINGUAITE</u> : weakly to moderately altered plt as described for the plt bands in the mixed tinguaitite. Generally less fractured than the mixed tinguaitite. Clays, white orthoclase and very weak limonite are common on open fractures. Sulphides are present in only trace amounts.		BKGD								35		
	H37769		25			100		40° to 55°	2-3/4'	40		
	H37770		20					70° to 90°	1-2/5'	45		
	H37771		23							50		
	H37772		22.5					40° to 50°	1-2/1'	55		
53.1'-61.5': <u>WEAKLY ALTERED PSEUDOLEUCITE TINGUAITE</u> : this plt differs from the previously described plt in that it has on the average slightly smaller pl phenocrysts; alteration is somewhat more intense as characterized by biotite and a pinkish tint (probably pink sericite); and it contains up to 20cm bands of sheared tinguaitite. The sheared tinguaitite bands are better foliated than was seen in the mixed tinguaitite, occasionally becoming mylonitic (56.0'). The foliation of these bands is perpendicular to the core axis. The most striking aspect of the rock is still the mottled appearance of the pl phenocrysts. The fractures are again open and coated with clays and weak limonite. Disseminated pyrrhotite composes about 0.1% of the rock and is usually associated with the mafic phenocrysts.	H37773		20					80° to 90°	1/5'	60		
	H37774		20.5					20° to 30°	1-3/1'	65		
61.5'-66.4': pseudoleucite tinguaitite as above but with stronger fractures. 20-30° fractures at 61.6-61.8' and 64.2-64.5' are 1-3mm wide and are filled with white clay. Adjacent to these fractures are 15mm wide envelopes which are flooded with weak limonite stains and which have undergone supergene alteration.								45° to 55°	1/1'	70		
	H37775		24					20° to 30°	1/5'	75		
66.4'-91.5': predominantly weakly to moderately altered plt but again contains 10-20cm wide bands of sheared tinguaitite. The shearing is not particularly intense, usually confined to flattening of pl phenocrysts. Foliation is erratic, ranging from 20-50° to core axis. Biotite alteration is most intense adjacent to and in these shear zones; commonly it will attack the smaller phenocrysts preferentially leaving only a narrow grey rim of unaltered rock. White orthoclase and weak limonite fill most fractures. In the normal plt disseminated pyrrhotite comprises about 0.1% of the rock but in the sheared bands, contain up to 0.5%. A 15° hairline fracture at 70.0' has produced a 3mm offset. These 15-30° fractures are usually closed while all others are open.	H37776		26					50° to 55°	1/5'			

PROJECT UDV HOLE TH-12 LOCATION ZONE 5E CORE SIZE 30 STARTED 02/09/99 FINISHED 03/09/99 PAGE 2 OF 5
CLAIM GROUP T01307-1 LENGTH 302' DIP -50° AZIMUTH 000° COLLAR ELEVATION 4912' DRILLED BY G/STW LOGGED BY SA/CL

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PROJECT 001 HOLE TH 12 LOCATION ZONE 55 CORE SIZE 80 STARTED 02/01/89 FINISHED 04/12/89 PAGE 4 OF 5
CLAIM GROUP TOMBSTONE LENGTH 200' DIP 50 AZIMUTH 100 COLLAR ELEVATION 4912' DRILLED BY CLARK LOGGED BY SAITOH

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DRILL HOLE LOG

PROJECT DMV HOLE TBL02 LOCATION ZONE 55 CORE SIZE 33 STARTED 12/22/99 FINISHED 12/22/99 PAGE 5 OF 5

CLAIM GROUP 10434400 LENGTH 222' DIP 50° AZIMUTH 000° COLLAR ELEVATION 4912' DRILLED BY CARL B LOGGED BY SAISON

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