

GM 31873

REPORT FOR 1975, SAKAMI PROJECT

Documents complémentaires

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Énergie et Ressources
naturelles

Québec 

SAKAMI PROJECT

PERMIT AREAS 547-548

ZONES 1 TO 4

REPORT FOR 1975

N.T.S. 33 F 7

Canadian Nickel Company Limited
Copper Cliff, Ontario
January, 1976

Ministère des Richesses Naturelles, Québec
SERVICE DE LA
DOCUMENTATION TECHNIQUE

Date: 28 JUIN 1976

No GM: 31873

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	Borehole and Grid Location Sketch 1" = 2640 feet
ENVELOPES	Permit Areas Location Map 1" = 4 miles
	Geology Maps: Zone 1 & 2
	Sheets 1,1a,1b,2,3,5&6 1" = 200'
	Zone 3 & 4
	Sheets 1,2,3,4,5,6&7 1" = 200'
APPENDIX A	Diamond Drill Log Abbreviations
	Borehole Logs 54412 to 54426 inclusive

INTRODUCTION

The Canadian Nickel Company Limited, exploring under a Joint Venture Agreement with The James Bay Development Corporation, located uranium mineralization in the Sakami Lake area of Quebec in 1972. The prospect is located within Permits 547 and 548, which now cover a total area of 20.5 square miles. For exploration purposes Zones 1 and 2 and most of 3 are located in Permit 548, and the remainder of Zone 3 and all of Zone 4 is located in Permit 547. Exploration has been conducted under Exploration Permit MX 1/73, issued by the Atomic Energy Control Board in January 1973. The 1974 report of exploration activities was submitted on March 11, 1975.

Field operations started January 5, 1975 when the drill stored on the property was reactivated. A second drill unit was moved from Noranda and began drilling on January 26. Drilling was completed on March 24, 1975 when both machines were removed to Noranda by aircraft and truck via LG-2.

PROFESSIONAL PERSONNEL

A.M. Gallop and W.O. Manson, geologists, supervised the drilling operation and logged and sampled the core. From July 9 - August 6, 1975 A.M. Gallop and F. Godfrey, geological assistant, mapped Zones 1 to 4. A.M. Gallop interpreted the new mapping, and compiled the attached geological map.

EXPLORATION PROGRAM

The five mile length of Archean-Proterozoic quartz pebble conglomerate was drilled in 1975 to confirm the lateral continuity of the uranium mineralization east of Zones 1 and 2, and west of Zone 3; to bracket weak uranium values in the Zones 3 and 4 area; to bracket uranium values in stratigraphically higher argillites in Zones 1 and 2; and to cross section the stratigraphically higher conglomerate horizons in Zones 3 and 4. Minor mapping was undertaken to complete the correlation of various rock units in the area.

EXPLORATION RESULTS

15 boreholes totalling 12,583 feet were completed in 1975. Bracket drilling in Zones 1 and 2 was completed on sections 2400 W and 4800 W to check for the possible extension of weak uranium values associated with an argillite horizon located stratigraphically above the quartz pebble

EXPLORATION RESULTS (Cont'd.)

conglomerate beds. The results were negative. Bracket drilling was also completed on the 3 and 4 Zones on section 2400 W without the location of conglomerate beds or radioactivity; and on 00 W section where minor mineralized conglomerate (0.09% U_3O_8 over 1.0 feet) was intersected.

To establish the continuity of the quartz pebble conglomerate beds and to complete the sampling on 1600 foot centres, holes were drilled on 2400 E and 5600 E sections of the 1 and 2 Zones, and 4400 W, 7600 W and 10800 W sections of the 3 and 4 Zones. Continuity of the beds was established, though intersections were narrow and low grade, ranging from 0.03% to 0.04% U_3O_8 over widths from 0.7 feet to 1.1 feet.

Stratigraphic cross sectioning of the 3 and 4 Zones was completed on sections 1200 W, 6000 W, and 14000 W. No quartz pebble conglomerate beds or radioactivity were encountered in this drilling.

Minor mapping was undertaken to clarify the rock units from Zones 1 through 4 in order to complete the correlation of all geological data. No unknown structures or mineralization were encountered.

CONCLUSIONS

The 1975 exploration program did not enlarge the area of known uranium bearing quartz pebble conglomerate either along strike or down dip, or locate any new mineralization in stratigraphically higher positions. No work is scheduled for the area in 1976.

JFC/sn
January 20, 1976
Attachment

TABLE 1

SAKAMI ZONES 1-4, PERMITS 547-548, 1975

DIAMOND DRILLING SUMMARY

<u>BH No.</u>	<u>Permit</u>	<u>Zone</u>	<u>Co-ordinates</u>	<u>Angle</u>	<u>Overburden</u>	<u>Depth</u>	<u>Remarks</u>
54412	548	1 & 2	1200 N 1200 W	-70 S		189'	<u>Bracket Hole</u> , drilled to 1386.0' in Sept. 1974 and deepened to 1575 in Jan. 1975. No radio active intersections were obtained in 1975.
54413	548	1 & 2	2400 E 025 S	-45 S	35'	757'	Drilled to check ore structure <u>continuity</u> at 1600' intervals along strike. One zone of quartz pebble conglomerate at 413.1' to 417'. Best assay 0.04% U ₃ O ₈ over 0.9'.
54414	548	1 & 2	5600 E 750 S	-45 S	26'	750'	Drilled to check ore structure <u>continuity</u> at 1600' intervals along strike. No quartz pebble conglomerate or radioactivity was intersected.
54415	548	3 & 4	000 E 1450 S	-45 S	156'	500'	<u>Bracket hole</u> (1200' interval) drilled to check for eastern extension, of mineralization encountered in BH 49869. Intersected only rare narrow bands of weak mineralization. Best was 0.09% U ₃ O ₈ over 1.0 ft.
54416	547	3 & 4	6000 W 3400 S	-45 N	56'	1499'	Drilled as part of <u>stratigraphic cross section</u> on section 6000 W. There was no quartz pebble conglomerate or radioactivity intersected.
54417	548	3 & 4	1200 W 1800 S	-45 S	8'	1495'	Drilled as part of <u>stratigraphic cross section</u> on section 1200 W. There was no quartz pebble conglomerate or radioactivity intersected.

TABLE I (Continued)

<u>BH No.</u>	<u>Permit</u>	<u>Zone</u>	<u>Co-ordinates</u>	<u>Angle</u>	<u>Overburden</u>	<u>Depth</u>	<u>Remarks</u>
54418	547	3 & 4	6000 W 950 S	-50 S	88'	1250'	Drilled as part of <u>stratigraphic cross section</u> on section 6000 W. There was no quartz pebble conglomerate or radioactivity intersected.
54419	548	3 & 4	2400 W 1300 S	-45 S	56'	501'	<u>Bracket hole</u> (1200' interval) drilled to check for western extension, of mineralization encountered in BH 49869. There was no quartz pebble conglomerate or radioactivity intersected.
54420	548	3 & 4	4400 W 550 S	-45 S	30'	527'	Drilled to check ore structure <u>continuity</u> at 1600' intervals along strike. One zone of interbedded quartz pebble conglomerate and quartzite at 262.6' to 331.5'. Best assay was 0.04% U ₃ O ₈ over 0.7'.
54421	547	3 & 4	7600 W 050 N	-45 S	6'	592'	Drilled to check ore structure <u>continuity</u> at 1600' intervals along strike. This hole encountered two zones of radioactive quartz pebble conglomerate in a sequence of quartzite with minor arkose and argillite.
54422	548	3 & 4	1200 W 1250 S	-45 S	52'	657'	Drilled as part of <u>stratigraphic cross section</u> on section 1200 W. No radioactive quartz pebble conglomerate was intersected.
54423	547	3 & 4	10800 W 050 N	-45 S	24'	682'	Drilled to check ore structure <u>continuity</u> at 1600' intervals along strike. One narrow band of radioactive quartz pebble conglomerate was intersected, assaying 0.03% U ₃ O ₈ over 1.1' at 224.6'.
54424	547	3 & 4	14000 W 2500 S	-45 S	136'	1490'	Drilled as part of <u>stratigraphic cross section</u> on section 14000W. No radioactive quartz pebble conglomerate was intersected.

TABLE I (Continued)

<u>BH No.</u>	<u>Permit</u>	<u>Zone</u>	<u>Co-ordinates</u>	<u>Angle</u>	<u>Overburden</u>	<u>Depth</u>	<u>Remarks</u>
54425	548	1 & 2	4800 W 350 S	-45 S	65'	887'	<u>Bracket hole</u> (1200' intervals). Drilled to check for possible extension of weak U ₃ O ₈ mineralization encountered in argillite in borehole 55371. No radioactivity was intersected.
54426	548	1 & 2	2400 W 1025 S	-45 S	216'	807'	<u>Bracket hole</u> drilled with same objective as borehole 54425. No radioactivity was intersected/
Total:					15 holes	12,583 feet	



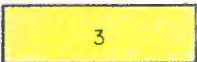

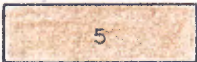


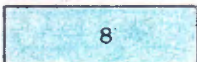

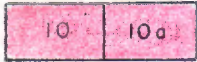
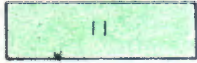

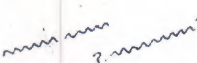


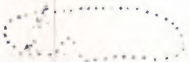
TABLE II

1975 EXPENDITURES - PERMITS 547 - 548

	<u>Permit 547</u>	<u>Permit 548</u>	<u>Total</u>
Contract Drilling	\$113,977	\$121,873	\$235,850
Geological Surveys	2,430	6,143	8,573
Geophysical Surveys	1,002	8	1,010
Property Acquisition	1,005	2,070	3,075
Administration	-	4,400	4,400
Total:	<u>\$118,414</u>	<u>\$134,494</u>	<u>\$252,908</u>

SAKAMI PROJECT

GEOLOGICAL LEGEND

	Mafic volcanics; in part amphibolitic (1a) with minor sediments (1b) pillow mafic (1c) massive to foliated (1d) tuffaceous (1e)
	Sediments; greywacke (2a) arkose (2b) argillite (2c); dopside skarn (2d), mafic schist (2e)
	Quartzite, in part sericitic (3a)
	Quartz pebbled conglomerate
	Mafic dykes; meta diabase (5a) meta gabbro (5b) acid dykes (5c) only minor occurrences
	Ultramafic sills; serpentinite (6a); amphibolitic (6b) talc schist (6c)
	Iron formation
	Polymictic conglomerate
	Acid volcanics; rhyolite (9a) rhyodacite (9b) porphyritic (9c) tuffaceous (9d)
	Granite - granite gneiss (10a)
	Intermediate volcanics - massive andesite (11a) biotitic andesite (11b) porphyritic (11c) tuffaceous (11d) dacite (11e)
	Geological contact - defined, assumed, projected.
	Fault zone - defined, inferred
	Strike and dip of schistosity and bedding: -inclined, vertical
1000 cps.	Scintillometer Readings in counts per second (cps.) were taken with a Scintrex GIS-3 on broad band, at ground level.
	Pillows with observed tops
	Outcrop

Microfilm

**PAGE(S) DE DIMENSIONS HORS STANDARD
MICROFILMÉE(S) SUR 35 MM ET
POSITIONNÉE(S) À LA SUITE DES
PRÉSENTES PAGES DE FORMAT STANDARD**

Numérique

**PAGE(S) DE DIMENSIONS HORS STANDARD
NUMÉRISÉE(S) ET POSITIONNÉE(S) À LA
SUITE DES PRÉSENTES PAGES DE FORMAT
STANDARD**

APPENDIX "A"
DIAMOND DRILL LOGS
SAKAMI PROJECT
ZONES 1-4
REPORT FOR 1975

Diamond Drill Log Abbreviations
Logs for boreholes

54412
54413
54414
54415
54416
54417
54418
54419
54420
54421
54422
54423
54424
54425
54426

Ministère des Richesses Naturelles, Québec
SERVICE DE LA
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Date: 28 JUIN 1976
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RULES FOR CODING OR ABBREVIATING GEOLOGICAL TERMS

- (1) The first letter of each word is never deleted.
- (2) Deletion of letters commences from right to left, in order specified below.
- (3) Only one letter of a double letter occurrence is deleted.
- (4) Deletion is continued until the code word is reduced to a predetermined size (number of letters).
- (5) The size of the code word must be determined by study of the word population in question. Exceptions to the rules must be very few, but some cannot be avoided.

ORDER OF DELETION OF LETTERS

1. A	10. T	19. G
2. E	11. N	20. P
3. I	12. S	21. K
4. O	13. R	22. B
5. U	14. L	23. V
6. W	15. D	24. X
7. H	16. C	25. J
8. Y	17. M	26. Q
9. (Double letters (delete one)	18. F	27. Z

EXAMPLES:

<u>Original Word</u>	<u>Abbreviation</u>
(1) ABBREVIATION (2) ABBRVIN (3) ABRVTN (4) ABRVN (5) ABRV	
(1) GEOCHRONOLOGY (2) GCHRNLGY (3) GCRNLGY (4) GRNCLG (5) GCRN	
(1) CRETACEOUS (2) CRTCS	(3) CRCS
(1) PLEISTOCENE (2) PLSTCN (3) PLSCN	(4) PLSC

ABBREVIATIONS FOR USE

IN LOGGING BORE HOLES

ABUNDANT	ABNT	BAND	BND
ACCESSORY	ASSR	BANDED	BNDD
ACID DYKE	ACDK	BANDS	BNDS
ACICULAR	ACLR	BARREN	BRN
ACIDIC	AC	BASAL	BSL
ACID HORNFELS	ACHF	BASALT	BSLT
ACTINOLITE	ACT	BASIC DYKE	BCDK
ACTINOLITIC	ACTC	BASIC HORNFELS	BAHF
AGGLOMERATE	AGLM	BEARING	BRG
ALBITIZATION	ALBZ	BECOMING	BCMG
ALASKITE	ALSK	BED	BD
ALTERATION	ALTN	BEDDING	BDG
ALTERED	ALTD	BIOTITE	BIOT
ALTERNATING	ALR	BLACK	BK
AMORPHOUS	AMRP	BLEBS	BLBS
AMOUNT	AMT	BLEBY	BLBY
AMPHIBOLE	AMPB	BLOCKY	BCKY
AMPHIBOLITE	AMPH	BLOTCHY GABBRO	BGAB
AMPHIBOLITIC	AMPC	BORNITE	BN
AMYGDALOIDAL	AMYG	BOULDER	BLDR
AMYGDULE	AMGD	BOULDERS	BLDS
ANDESITE	ANDS	BREAK	BRK
ANGULAR	AGLR	BRECCIA	BX
ANHEDRAL	ADRL	BRECCIATED	BXTD
ANORTHOSITE	AN	BRECCIA MATRIX	BXXM
ANORTHOSITIC	ANIC	BRECCIA SULPHIDE	BXSU
ANORTHOPHYLLITE	ANPL	BRITTLE	BRTL
APHANITIC	APNC	BROWN	BRWN
APLITE	APL		
APLITIC	APLC		
APPEARANCE	APRC		
APPROXIMATE	APRX		
ARGILLACEOUS	AGLC		
ARKOSE	ARK		
ARSENIDE	ARSD		
ASBESTOS	AB		
ATTITUDE	ATID	CALCAREOUS	CLCR
ATTENUATED	ATND	CALCIC	CLC
AUGEN	AGN	CALCITE	CALC
		CARBONATE	CARB
		CARBONATED	CRBD
		CARBONATE ROCK	CBRK
		CARBONATITE	CBNT
		CASING	CAS
		CAVITIES	CVTS
		CEMENTED	CMTD
		CHALCOPYRITE	CP
		CHERT	CHRT
		CHERTY	CHTY
		CHICKEN - TRACK	CKTK
		CHILLED	CHLD

CHLORITE	CHL	DACITE	DCT
CHLORITIC	CHLC	DARK	DK
CLASTS	CLTS	DECREASE	DCRS
CLEAVAGE	CLVG	DECREASING	DCRG
CLUSTER	CLSR	DEGREE	DEG
COARSE GRAINED	CG	DENSE	DS
COARSER	CRSR	DEPOSITION	DPSN
COMPLEX	CPLX	DEPOSITIONAL	DPSL
COMPOSED	CPMD	DEVELOP	DVLP
COMPOSITION	CPSN	DEVELOPED	DVPD
CONCENTRATION	CCTN	DIABASE	DIA
CONCHOIDAL	CNDL	DIABASIC	DIAC
CONCORDANT	CCRD	DIORITE	DIO
CONCRETION	CRTN	DISPLACEMENT	DPCM
CONDUCTOR	CDCR	DISSEMINATED	DISS
CONDUCTIVE	CDCV	DISSOLUTION	DSL
CONFORMABLE	CFMB	DISTINCT	DSNC
CONGLOMERATE	CONG	DISTINCTLY	DSCL
CONSTITUENT	CONS	DOLOMITE	DLMT
CONTACT	CT	DOWNWARDS	BRDS
LOWER CONTACT	LCT	DOWN HOLE	DH
UPPER CONTACT	UCT	DRILLED	DRLD
CONTENT	CNTN	DUNITE	DNT
CONTORTED	CNRD		
CORE	CORE		
CRUSHED CORE	CC		
BROKEN CORE	BC		
GROUND CORE	GC		
LOST CORE	LC		
CORONA	CRN		
COUNTRY ROCK	CTRK		
CRINKLES	CNKS		
CROSS BEDS	XBDS	ELONGATED	ELGD
CROSS BEDED	XBDD	ENRICHED	ERCD
CROSS BEDDING	XBDG	EPIDOTE	EPID
CROSS CUTTING	XCTG	EPIDOTIZED	EPDZ
CROSSFIBER	CSFB	EQUIGRANULAR	EQGR
CRYSTAL	XTL	ESTIMATE	EST
CRYSTALS	XTLS	ESTIMATED	ESTD
CRYSTALLINE	XLLS	ESTIMATION	ESTN
LIMESTONE		EXTREMELY	EXML
CUBANITE	CUB	EUHEDRAL - SEE	
		UHEDRAL	
		EXPLANATION	EXPL
		EXTENSIVE	EXSV

IMPURE	IMP	LIGHT	LT
IMPURITIES	IMPR	LIGHTER	LGTR
INCLUSION	INCL	LOCALLY	LOCL
INCLUSIONS	INCS	LOWER	LOWR
INCREASED	ICRD	LUNATE	LNT
INCREASING	ICRG	LUSTER	LSTR
INDISTINCT	IDSC		
INTENSE	INTS		
INTERCALATED	IRTD		
INTERGRANULAR	IRGL		
INTERGROWN	IRGR		
INTERGROWTH	IRGH		
INTERMEDIATE	IRMD		
INTERSTITIAL	INSU		
SULPHIDE			
INTRUSIVE	INTR	MAFIC	MFC
IRREGULAR	IREG	MAFICS	MFCS
IRON FORMATION	IF	MAGNETIC	MTC
		MAGNETITE	MT
		MARBLE	MRBL
		MARGINAL	MGNL
		MASSIVE	MASS
		MASSIVE SULPHIDE	MASU
		MATERIAL	MTRL
		MATRIX	MTX
		MEDIUM	MED
		MEDIUM GRAINED	MG
		MELANOCRATIC	MLNC
		METACRYST	MTCR
		METADIABASE	MTDB
		METADIORITE	MTDR
		METAGABBRO	MTGB
		METAMORPHIC	MTMC
		METAMORPHOSED	MMPD
		METASEDIMENT	MTSD
		MICACEOUS	MICS
		MIGMATITE	MGMT
		MIGMATITIC	MGMC
		MILLERITE	MLT
		MINERAL	MIN
		MINERALIZED	M
		MINERALIZED STRONGLY	MS
		MINERALIZED WEAKLY	MW
		MINERALIZED VERY	MVW
		WEAKLY	
		MINERALIZED VERY VERY	
		WEAKLY	MVWV
		MINOR	MNOR
		MODERATE	MOD
		MODERATELY	MODY
		MONZONITE	MONZ
		MOTTLED	MTLD
		MUSKEG	MSKG
		MYLONITE	MYL
JOINT	JT		
JOINTED	JTD		
JOINTING	JTG		
JOINTS	JTS		
LAMELLAR	LMLR		
LAMINATED	LMND		
LAMINATION	LMNN		
LAMPROPHYRE	LAMP		
LAPPILLI_TUFF	LPTF		
LEFT	LFT		
LENS	LNS		
LENSES	LNSS		
LEUCOCRATIC	LCRT		
LIMONITE	LIM		
LIMESTONE	LS		
LINEAMENT	LNMT		
LINEATED	LNTD		
LINEATION	LNTN		

MYLONITIC	MYLC
MYLONITIZED	MYLD
NEMATOBLASTIC	NMBC
NICCOLITE	NC
NODULES	NDLS
NUMEROUS	NMRS
NUMBERS	NMBS

OCCASIONAL	OCC
OFFSET	OFST
OLIVINE	OLVN
OLIVINE DIABASE	OD
OPHITIC	OPTC
ORBICULAR	OBCL
ORE BODY	OBDY
OUTCROP	OC
OVERBURDEN	OB
OXIDIZATION	OXDN
OXIDIZED	OXDD

PANDIOMORPHIC	PNMC
PARALLEL	PLL
PART	PRT
PARTING	PRNG
PARTLY	PTLY
PEBBLE	PBL
PEBBLES	PBLS
PEGMATITE	PEG
PEGMATITIC	PGTC
PENTLANDITE	PN
PERCENT	PCNT
PERCRYSTALLINE	PRCL
PERIDOTITE	PRDT
PERMAFROST	PRMF
PERPENDICULAR	PPDC
PHENOCRYSTS	PHCR
PHILOGOPITE	PHLG
PHYLLITE	PLLT
PICROLITE	PCLT

PINK	PK
PLAGIOCLASE	PLAG
POLYMICTIC	PLMC
POROUS	POR
PORPHYROBLAST	PRBT
PROPHYROBLASTIC	PPBC
PORPHYRITIC	PRPC
PORPHYRY	PRPH
POSSIBLE	PSBL
POSSIBLY	PSBLY
PREDOMINANT	PRDM
PREDOMINANTLY	PRDL
PRESENT	PRSN
PRIMARY	PRM
PROGRESSIVE	PRGS
PTYGMATIC	PGMC
PTYGMATICALLY	PGMY
PYRITE	PY
PYRITIC	PYC
PYROCLASTIC	PCLC
PYROXENE	PRXN
PYROXENITE	PXT
PYRRHOTITE	PO

QUARTZ	QTZ
QUARTZITE	QTE
QUARTZ DIABASE	QDIA
QUARTZ DIORITE	QD

RADIOACTIVE	RDCV	SERICITIC	SRCC
NONRADIOACTIVE	NDCV	SERPENTINE	SRPN
RADIOMETRIC	RDMC	SERPENINITE	SRPT
RAGGED	RGD	SERPENTINIZED	SRPD
RECRYSTALLIZED	RCZD	SERPENTINIZED	
RELATIVELY	RLVL	PERIDOTITE	SPPD
RELICT	RLCT	SEVERAL	SVRL
REMNANT	RMNT	SHALE	SHL
REMNANTS	RMNS	SHARDS	SRDS
RHYODACITE	RDCT	SHEAR	SHR
RHYOLITE	RHY	SHEARED	SHRD
RIGHT	RT	SHEARING	SHRG
ROCK	RK	SILICEOUS	SLCS
ROCKS	RX	SILICIFIED	SLFD
ROSETTE	RST	SILTSTONE	SLTS
ROUND	RND	SILLIMANITE	SLMN
ROUNDED	RNDD	SKARN	SKN
RUDACEOUS	RDCS	SKELETAL	SKLL
RUSTY	TSTY	SLATE	SLT
		SLICKENSIDED	SCKD
		SLIKESIDES	SCKS
		SLIGHT	SLI
		SLIGHTLY	SLLY
		SLIPS	SLPS
		SLUDGE	SLDG
		SMALL	SML
		SLUMPING	SMPG
		SOLUTION	SLTN
		SPECKS	SPK
		SPECKS	SPKS
		SPHALERITE	SPH
		STAINING	SNNG
		STEATITE	STTT
		STEATIZED	STZD
		STREAK	STK
		STREAKS	STKS
		STRINGER	STR
		STRINGERS	STRS
		STRONG	STRG
		STRONGLY	STGL
		STRUCTURE	STRT
		SUBHEDRAL	SBRL
		SULPHIDE	SULP
		SURROUND	SRND
		SURROUNDED	SRDD
		SURROUNDING	SRDG
		SYENITE	SYNT
		AUGITE SYENITE	ASYN
		NEPHELINE SYENITE	NSYN
SALIC	SLC		
SANDSTONE	SS		
SATURATED	SATD		
SAUSSURITIZED	SRZD		
SCATTERED	SCTD		
SCHIST	SCH		
SCHISTED	SCHD		
SCHISTING	SCHG		
SCHISTS	SCHS		
SCHISTOSE	SCSS		
SCHISTOSITY	SCSY		
SEDIMENT	SED		
SEDIMENTARY	SDMR		
SEDIMENTS	SEDS		
SECTION	SCTN		
SEGMENT	SGMT		
SEGMENTED	SGMD		
SEGMENTS	SGMS		
SEGREGATED	SGGD		
SEGREGATION	SGN		
SEGREGATIONS	SGNS		
SERICITE	SRCT		

TEXTURE	TXTR
THROUGHOUT	TRGT
TRACE	TR
TRACHYTE	TRCT
TRANSITION	TRNS
TREMOLITE	TREM
TREMOLITIC	TRMC
TOURMALINE	TMLN
TOURQUOIS	TRQS
TUFFACEOUS	TFCS
TUFFITE	TUPI
UHEDRAL	UDRL
ULTRABASIC	UB
ULTRAMAFIC	UM
UNDULATING	UDLG
UPWARDS	UPRD
UPHOLE	UH

VEINLETS	VNLS
VEINING	VNNG
VERY COARSE	
GRAINED	VCG
VESICULAR	VSC
VIOLARITE	VT
VITREOUS	VTRS
VOLCANIC	VOLC

WEAK	WK
WEAKLY	WKLY
WHITE	WHT

YELLOW

YLM

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

BOREHOLE# 54412-0 PROPERTY SAKAMI PROJECT NTS# SH# ANOM# DEPTH 1575 AZIMUTH 180 GRID B. 00 DIP -70 00 ELEV N 1200 LATITUDE W 1200 DEPARTURE DATE.....

CHK'D.....

INCLINATION AND TROPARI TESTS

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
20		-70 45	100		-67 00	200		-68 45	300		-64 00
400		-62 00	500		-58 45	600	145 30	-53 00	700		-53 00
600		-51 30	900		-49 45	1000		-46 30	1100		-41 30
1200		-39 30	1300	155 30	-35 00						

COMMENTS

LOGGED BY..WO MANSON&MGM STARTED..SEPT 18,1974 COMPLETED..JAN 10,1975
 DRILLED BY BRAD BROS PER 548 ZONES 1&2 WATER FROM
 CSG AT BH55322 CONTINUATION OF DRILLING OF LAST FALL

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0.0	0.0			COLLAR	
12.0	12.0			START OF CORE	
14.0	2.0			CASING THROUGH OVERBURDEN AND TWO FEET IN TO BEDROCK	
22.4	8.4	GWKE		FG DKGY SHRD AMPB-FSP RK POORLY BDD TO MASS GRANULAR SED DERIVED FROM BASIC VOLC LESS THAN 20 CPS	20
23.6	1.2	IF		FG WELL BANDED OCC LITHIC CLAST WHICH ARE ROUNDED & STRETCHED OCC STKS PY-MINOR PO DK BNDS ARE MTE RICH LT BNDS CHERTY LESS THAN 20 CPS	25
25.0	1.4	GWKE		AS AT 22.4 LESS THAN 20 CPS	
27.2	2.2	IF		AS AT 23.6 GAR BLBS & STRS PY HLY MTC LESS THAN 20 CPS	20
31.7	4.5	GWKE		AS AT 22.4 LESS THAN 20 CPS	20
33.6	1.9	IF		AS AT 23.6 LESS THAN 20 CPS STRS PO-PY 2%	15
38.9	5.3	BSLT		FG-DKGRN HLY SHRD POSS WK FLOW STRT AMPB-FSP-MINOR ACT & CHL ALONG SHR 6 INCH VEIN MILKY QTZ AT 37.9 LESS THAN 20 CPS	30
44.8	5.9	GWKE		FG-GY WELL FOTD BIOT RICH NMRS LITH IC FRGS TO 3MM LESS THAN 20 CPS	25
57.8	13.0	IF		FG-WELL BNDD GAR RICH NMRS GAR ARE ROTATED AND STRETCHED MTC CHERTY THINLY BDD BDG IS LCLY DISTORTED OCC STRS PY-PO SULP LESS THAN 20 CPS	20
64.6	6.8	ARK		FG-LTGY GRANULAR HLY SHRD WITH ABNT SRCT ALONG SHRING STRS QTE AND LCLY BXD SPKS RY ON FRC PLANES LESS THAN 20 CPS	20
91.9	27.3	GWKE		FG-GY THINLY BDD-LMND BIOT RICH NMRS CLASTS TO 5-6MM OF LITHIC FRG THESE FRGS ARE COMMONLY STRETCHED AND ROTATED GAR ARE NMRS AND RANGE FROM 1MM TO 10MM THE ROCK IS SHRD	25

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				AND RARE STKS OF PO-PY ARE PLL TO SHRG LESS THAN 20 CPS	15
95.9	4.0	GWKE		AS AT 91.9 XTL ARSENOPYRITE 5% GOOD XTL FORM OFTEN RIMMED BY PY LESS THAN 20 CPS	15
102.6	6.7	GWKE		AS AT 91.9 LESS THAN 20 CPS	
104.6	2.0	BX		QTZ FRG ANGULAR UP TO 5 CM BLK SULP BEARING CEMENT ALSO OCC STRS CARB SULP ARSENOPYRITE & PY TO 3% THE ARSPY IS QUITE XTLN	35
124.7	20.1	GWKE		AS AT 91.6 OCC SPKS PO-PY 1% LESS THAN 20 CPS	25
131.4	6.7	QTE		VFG-GY-LT PK THINLY BDD NMRS BNDS TO 5CM ARE BIOT RICH IE AGLC QTZ IS VFG-GRANULAR WITH SOME SRCT ALONG SHRG EVEN WHERE NOT AGLC THE QTE IS STILL QUITE DIRTY LESS THAN 20 CPS	30
132.6	1.2	DCT		PRPC FG-GYQTZ-FSP KSPAR ABOUT 5% FSP PHCR TO 2-4MM SHRD WITH MINOR SRCT ALONG SHRG LESS THAN 20 CPS CTS SHARP	20
156.1	23.5	QTE		AS AT 131.4 QTZ VEIN 143.6 TO 144.6 LESS THAN 20 CPS	25
157.4	1.3	GWKE		FG-DK GY POORLY FOTD HBL-FSP COMP RARE GAR RARE LITHIC FRG SHRD WITH MINOR BIOT ALONG SHRG LESS THAN 20 CPS	35
161.2	3.8	ARK		LT-GY WELL FOTD QTZ-FSP LESS THAN 5% KSPAR ABNT SRCT ALONG SHRG QTZ&FSP ARE QUITE GRANULAR RARE SPK PY LESS THAN 1% LESS THAN 20 CPS	30
162.6	1.4	ARG		VFG DK GY BIOT-QTZ-FSP MINOR AMPB WELL FOTD PLL TO BIOT LESS THAN 20	30
167.0	4.4	QTE		AS AT 131.4 LESS THAN 20 CPS	20
167.5	0.5	ARG		AS AT 162.6 LESS THAN 20 CPS	
178.9	11.4	ARK		AS AT 161.2 NMRS QTZ AUGENS TO 3MM POSS RELIC QTZ PBLSHLY SHRD ABNT SRCT ALONG SHRG LESS THAN 20 CPS	25
205.4	26.5	QTE		AS AT 131.4 LESS THAN 20 CPS	30
208.9	3.5	ARG		AS AT 162.6 LESS THAN 20 CPS	30
215.0	6.1	ARK		AS AT 161.2 DIRTY OCC BND ARG MINOR SRCT LESS THAN 20 PCS	25
219.0	4.0	BSLT		VFG-DKGRN HLY SHRD & FRCD FRCS OCC CARB FILLED POSS RELIC FLOW STRUCTURE FG BIOT MINOR ACT ALONG SHRG GREATER THAN 70% AMPB	25
241.5	22.5	GWKE		FG-DKGY WELL FOTD OCC BNDS BIOT RICH AGLC MATERIAL OCC FRAG 3MM-10 MM OF LITHIC FRGS THE BULK OF THE MTX IS AMPB-FSP PROB DERIVED FROM BASIC VOLC ONLY VERY MINOR AMOUNTS OF QTZ LESS THAN 20 CPS	30
251.9	10.4	BSLT		AS AT 219.0 VFG-APHANITIC LESS THAN 20 CPS	30
270.9	19.0	GWKE		AS AT 241.5 LESS THAN 20 CPS RARE	30

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
277.5	6.6		ARK	AS AT 161.2 LESS THAN CPS RARE SPK PY	30
286.0	8.5		DIA	FG-MG DKGRN HLY SHRD WITH BIOT AFTE R AMPB ALONG SHRG AMPB-FSP ROCK	35
350.7	64.7		ARK	65% AMPB-35% FSP LESS THAN 20 CPS VFG-DKGY METASED OF BASIC VOLC DERIVATION ACICULAR GNS AMPB IN FSP MTX MINOR ACT OCC BNDS BIOT RICH GEN NO QTZ BUT THE BIOT RICH BNDS MAY HAVE UP TO 10% QTZ IN THE QTZ-FSP MTX IN NEARLY ALL THE VARIATIONS FSP COMPRISES GREATER THAN 50% OF ARKOSE IS POOR NAME BUT IS CLOSEST APPRQXIMATION LESS THAN 20 CPS	20
356.6	5.9		DIA	FG-MG-DKGRN MASS WKLY SHRD UCT&LCT APPEAR TO BE INTRUSIVE CTS LESS THAN 20 CPS	30
357.2	0.6		ARK	LT-GY BNDD FSP-QTZ-BIOT WKLY SHRD	35
358.9	1.7		DIA	AS AT 356.6 LESS THAN CPS	
366.6	7.7		ARK	AS AT 357.2 LESS THAN 20 CPS BNDS AMP RICH GRFR GWKE TO 0.4 FT @361.4 LESS THAN 20 CPS	35
373.9	7.3		GWKE	FG-DKGY WELL FOTD OCC BITHIC FRC TO 5MM GAR MINOR BIOT LCL BNDS FSP VERY MINOR QTZ WHERE BIOT RICH, LESS THAN 20 CPS C-75-0825 @ 372.5' META TUFF	35
387.3	13.4		ARK	VFG-LTPK THIN BNDD MINOR BIOT & QTZ LCLY APPEARS CHERTY WELL PRONOUNCED COLOR BNDG VARIOUS SHADES OF PK LESS THAN 20 CPS	25
416.1	28.8		GWKE	FG-GY META SED OF BASIC VOLC DERIVAT ION COMP MAINLY AMP-FSP OCC BND FSP RICH RARE LITHIC FRG OF FELSIC MATERIAL WKLY SHRD WITH MINOR BIOT ALONG SHRG LOCALLY MAY GET FSP RICH NO GAR NONE OF FSP IS KSPAR LESS THAN 20 CPS CT WITH QTE IS GRAD OVER 2 INCHES	35
418.4	2.3		BSLT	VFG-DKGRN MASS SHRD NO RECOGNIZABLE FLOW STRUCTURE SHRG IS VERY IRREG ULAR	
424.3	5.9		ARK	FG-GY FSP-QTZ RK WITH MINOR BIOT LCLY BXD NEAR BSLT CT AT 418.4 WKLY SHRD & WKLY BODED CCC CLAST TO 3MM RARE SPK PY LESS THAN 20 CPS	40
430.6	6.3		BSLT	AS AT 418.4 VAGUE FLOW TEXT LESS THAN 20 CPS	35
431.6	1.0		ARK	AS AT 424.3 LESS THAN 20 CPS	
437.7	6.1		BSLT	AS AT 418.4 15CM QTZ VEIN AT 433.0 LESS THAN 20 CPS	40
439.1	1.4		ARK	AS TO 424.3 LESS THAN 20 CPS	45
442.4	3.3		BSLT	AS TO 418.4 VAGUE FLOW TEXT LESS THAN 20 CPS	35

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
445.0	2.6		GWKE	AS AT 416.1 LESS THAN 20 CPS	35
458.5	13.5		RHY	LT GY-FG WKLY FOTD MINOR BIOT PLL TO SHRG SLLY PPRC UCT & LCT VERY SHARP RARE SPKS PY ALONGSHR PLANES KSPAR 5-10% OF FSP 15% QTZ LESS THAN 20 CPS	45
460.9	2.4		ARG	FG-GY BIOT RICH STGL SCSS SLLY FGML IN SOME PLACES HLY SHRD OCC FELSIC STRS TO 3MM LESS THAN 20 CPS	40
463.4	2.5		ARK	GY-FG BIOT RICH IN SOME PLACES LCLY WELL BEDDED SHRD WITH MINOR SRCT ALONG SHRG LESS THAN 20 CPS	40
472.2	8.8		BSLT	VFG-DKGRN WKLY FOTD FELSIC BANDS THAT MAY BE FLOW BNDS UCT & LCT ARE SHARP AND DO NOT INDICATE TOP DIRECT ION LESS THAN 20 CPS	35
500.8	28.6		ARK	AS TO 463.4 CONSIDERABLE ABRUPT COLO R CHANGE FROM BND TO BND WITH PK-GRN -GY-YELLOW ALTERNATING OCC BND AMPB RICH METASED TO 6 INCHES LESS THAN 20 CPS	30
503.7	2.9		BSLT	AS AT 472.2 HLY SHRD LESS THAN 20 CPS	35
556.2	52.5		ARK	AS TO 463.4 THINLY BNDD LTGY-DKGY BNDS ALTD RARE GR PBL TO 3CM HLY SHRD MINOR SRCT LESS THAN 20 CPS LC- LY MAY BE BIOT RICH OVER 2-3 CM	35
568.5	12.3		BSLT	AS AT 472.2 LESS THAN 20 CPS CTS SHARP POSS RELIC FLOW TEXT	25
572.0	3.5		ARK	AS AT 463.4 LESS THAN 20 CPS	40
578.3	6.3		BSLT	AS AT 472.2 LESS THAN 20 CPS	40
614.7	36.4		ARK	AS TO 500.8 LESS THAN 20 CPS	40
617.2	2.5		ARK	AS TO 500.8 BXD WITH MINOR SULP PO- PY AS FRAC FILLINGS SULP 5% LESS THA N 20 CPS	40
620.5	3.3		ARK	GY FG POORLY BDD SLLY FRML CONDISER ABLE AMPB INTERMIXED LESS THAN 20 CPS	40
623.0	2.5		GWKE	FG-DKGY AMPB-FSP RK OCC FSP FRG POORLY BDD POSS BASIC VOLC DERIVATIO N LESS THAN 20 CPS	40
633.3	10.3		ARK	FG WELL BNDD ALR BNDS OF DK-GRN-GY- LT BRWN THINNLY BNDD LCLY CONG WITH GRC PBLs TO 2CMX 4CM THE PBLs ARE STRETCHED PLL TO FOTN BLBS PY TO 3% OCCUR IN THE FELSIC MTX MATERIAL THE CONG BND IS ABOUT ONE FOOT LONG AT 631.5 LESS THAN 20 CPS	35
676.2	42.9		GWKE	FG-DKGY POORLY FOTD STRETCHED RK FRGS ARE NMRS AND ARE OF VARIOUS RK TYPES LCL BNDS ARE BIOT RICH AND GAR IS COMMON ALTHOUGH NOT ABNT NMRS BND LT GRN WKLY CLCR SKN OCCUR ALSO SOME OF THE FGML MATERIAL IS CLCR MINOR SPKS&BLBS PO-PY ALSO OCCUR IN	40

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				ASSOCIATION WITH THESE SKN BNDS LESS THAN 20 CPS	
709.0	32.8		TUFF	RHY-DCT ASH&LAPILLI TUFF VFG DKG MOTTLED WITH LT GY FRGS OFF QTZ-FSP & NMRS ROUNDED BLBS QTZ FRGS ARE STRETCHED PLL TO FTON & POSS TO BDG FRGS ARE 1-4MM IN A DK BIOT RICH MTX WHICH IS VFG TO NEAR APHANITIC LESS THAN 20 CPS THIS RK IS ALSO WKLY SHRD	45
715.4	6.4		IF	DKGY-VFG BNDD HLY MTC CHERTY IN SOME PLACES OCC STK PO LESS THAN 20 CPS	55
717.3	1.9		CHRT	VFG-GY MASS SLLY BXTD BDG VERY VAGUE LESS THAN 20 CPS	
746.8	29.5		TUFF	AS AT 709.0 LESS THAN 20 CPS	50
750.4	3.6		IF	GY WELL & THINNLN BNDD CHERTY SOME BNDS HAVE ABNT RED GAR DK BNDS GEN VERY MTC IE MTE RICH OCC STR PO LESS THAN 20 CPS	50
753.8	3.4		TUFF	AS AT 709.0 LESS THAN 20 CPS	50
759.6	5.8		IF	AS AT 720.4 LESS THAN 20 CPS	50
770.6	11.0		DCT	LT-GY MASS LCLY SHRD SLY PPRC IN SOME PLACES POSS VAGUE FLOW BNDS RARE DISS SPKS PY LESS THAN 20 CPS	55
772.1	1.5		GWKE	FG DKG WELL FOTD ALONG BIOT META- SED RK OF AMPB-BIOT-FSP COMP VERY FEW FRGS AND PROB AGLC LESS THAN 20 CPS RARE STK PY-PO	45
772.6	0.5		SKN	BXD APPEARS FRML LT GY CLCR FRGS INTERMIXED WITH DKG-BLK FRG THAT COULD BE FRGS OF THE GWKE AT 772.1 MINOR PY-PO ALONG FRCS IN THE CLCR PORTIONS SHRD LESS THAN 20 CPS	50
787.2	14.6		BSLT	DKGRN-VFG-APHANITIC NEARLY MASS TEXT SOME POSS VAGUE FLOW MARGINS SOME FOTN PLL TO SHRG LESS THAN 20 CPS UCT& LCT ARE VERY SHARP	50
788.3	1.1		GWKE	AS AT 772.1 LESS THAN 20 CPS	
793.9	5.6		IF	THINNLN BNDD CHERTY ALR LT GY-DKG DK BNDS ARE HLY MTC MTE LCLY HAS GAR TC 2CM BUT GAR IS NOT UBIQUITOUS LESS THAN 20 CPS	50
798.9	5.0	MVVW	IF	AS AT 793.9 BRN SMPL LESS THAN 20 CPS	50
799.7	0.8	M	IF	AS AT 793.9 STRS NON MTE PO 35%-40% LESS THAN 20 CPS	55
804.7	5.0	MVVW	IF	AS AT 793.9 BRN SMPL LESS THAN 20 CPS	60
818.3	13.6		IF	AS AT 793.9 RARE SPK PO-PY LESS THAN 20 CPS	55
836.9	18.6		DIA	FG-DKGRN MASS SOME FOTN DUE TO SHRG AMPB-FSP RK WITH OCC BIOT AFTER AMPB ALONG SHRG LESS THAN 20 CPS	50
855.2	18.3		ARK	VFG-THINLY BNDD BNDS ALTG COLORS LT	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				PK-GY-LTGRN EXTREMELY FG AS POSS A SILTSTONE ORIGIN BNDG POSS REFLECTS VARVES LESS THAN 20 CPS LCT&UCT SHARP	
859.8	4.6	DIA		AS AT 836.9 LESS THAN 20 CPS	55
864.2	4.4	DCT		VFG-LTGY HLY SHRD WKLY PPRC FSP PHCR TO 2MM ONLY MINOR QTZ LESS THAN 5% FOTN IS FAIR PLL TO SHRG MINOR SRCT ALONG SHRG LESS THAN 20 CPS OCC SPK DISS PY	60
866.0	1.8	DIA		AS AT 836.9 LESS THAN 20 CPS	60
868.1	2.1	DCT		AS AT 864.2 LESS THAN 20 CPS SPKS PY -PD	55
875.5	7.4	ARK		AS AT 855.2 LESS THAN 20 CPS	50
882.3	6.8	DIA		FG-DKGRN HLY SHRD BNDS GRN FSP RICH RK POSS FLOW BNDS MORE LIKELY META ALTN AS THESE CONTAIN ABNT EPIDOTE-CHL-MINOR CARB LESS THAN 20 CPS	60
884.2	1.9	ARK		AS AT 855.2 LESS THAN 20 CPS	60
894.0	9.8	DIA		FG-DKGRN POORLY FOTD TO NEAR MASS BECOME VFG NEAR LCT RARE SPK PY LESS THAN 20 CPS	55
903.8	9.8	ARK		FG-VFG GY POORLY BADD SLLY FRML OR BXD IN SOME PLACES LESS THAN 20 CPS UCT IS VAGUE LCT IS SHARP BECOMING LT GY TOWARD LCT	50
917.9	14.1	TUFF		FG-GY MOTTLED TEXT DUE TO FRMS OF VFG QTZ-FSP CLASTS MTX IS DK GY FG AND BIOT RICH CLASTS ARE STRETCHED PLL TO FOTN WITH MINOR SRCT ALONG SHRG LESS THAN 20 CPS NO KSPAR PRESENT IE DCT COMP	55
921.7	3.8	ARG		FG-DKGY WELL FOTD BIOT RICH OCC CLC R STR OR BND ALSO MINOR AMPB & OCC GAR LESS THAN 20 CPS	50
925.8	4.1	TUFF		AS AT 917.9 LESS THAN 20 CPS	
931.2	5.4	QTE		FG LT GY HLY SHRD ABNT SRCT ALONG SHRG MINOR FSP AND BIOT LESS THAN 20 CPS	55
934.3	3.1	DIA		FG DKGRN UCT & LCT ARE IRREGULAR AMPB 70% FSP-30% OCC STR CARB AND IS EPIDOTE RICH	
946.7	12.4	QTE		VFG-LTGRN-LTPK BNDS ALR IMPURE QTE AND MAY LCLY GRADE TO ARK CHERTY APPEARING IN MANY PLACES WELL FOTD WHERE STRS ARE BIOT RICH MINOR SRCT THROUGHOUT ALL TO SHRG	55
958.2	11.5	VEIN		QTZ MASS XTL QTZ SLLY FRC MILKY COLOUR LESS THAN 20 CPS HYDROTHERMAL QTZ	
967.7	9.5	ARG		FG-GY WELL FOTD BIOT NOW CONTAINS ABNT TREM IN PLACES UP TO 60% SO MUST HAVE BEEN A VERY CLCR SED SOME FSP IS PRESENT HND THE BIOT OCCURS AS LENSES ORIENTED PLL TO FOTN	55

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				LESS THAN 20 CPS	
969.0	1.3	QTE		AS AT 946.7 LESS THAN 20 CPS	55
975.3	6.3	ARG		AS AT 967.7 LESS THAN 20 CPS	50
989.0	13.7	QTE		FG-LTGY SHRD SRCT ALONG SHRG MINOR	50
				BIOT ORIENTED PLL TO SHRG FOTN FAIR PLL TO SHRG DIRECTION THE QTZ IS GENERALLY GRANULAR FSP IS PRESENT BUT IS LESS THAN 5% IE A VERY CLEAN QTE LESS THAN 20 CPS	
1002.2	13.2	ARG		AS AT 967.7 LESS THAN 20 CPS	50
1016.6	14.4	QTE		AS AT 989.0 RARE SPK PY LESS THAN 20 CPS	55
1038.3	21.7	ARK		VFG BNDD LTGRN-LTPK-LTGY-DKGY ALR FSP VARIABLE 20%-30- CAN LCLY BE QTE THE BNDG IS VERY THIN IE 3-6MM SHRD WITH SRCT ALONG SHRG MINOR CHL WHEN GRN AND MINOR AMPB&BIOT WHEN DK MAY BE SLLY CLCR LCLY LESS THAN 20 CPS	55
1072.0	33.7	DIA		DKGRN FG-MG UCT&OCT A VFG AND VAGUE IE CHILLED MARGINS OCC CARB FILLED FRC AND EPIDOTE RICH LTGRN SHR ZONE UP TO 2 INCHES LESS THAN 20 CPS	55
1081.1	9.1	SCH		FG-LTGRN CHL-TALC SCH OCC BIOT AND OCC GAR LCLY DKGY WHERE BIOT RICH SCSY IS OFTEN VAGUE AS GRAINS ARE OFTEN RANDOMLY ORIENTED LESS THAN 20 CPS	60
1086.7	5.6	ARK		GY-FG WELL FOTD WKLY BNDD NMRS LENSES BIOT IMX3MM ORIENTED PLL TO FOTN MINOR SRCT FSP GREATER THAN 70% LESS THAN 20 CPS	70
1097.7	11.0	DIA		AS AT 1072.0 CTS ARE FAIRLY SHARP LESS THAN 20 CPS	65
1106.5	8.8	TUFF		DCTC FG-GY FRML FRGS OFTEN TO LAPPILLI SIZE IN ASH MTX FRG VERY LT GY & FSP RICH MTX DK BIOT RICH& SOME VFG AMPB FRGS ARE STRETCHED PLL TO FAIR FOTN LESS THAN 20 CPS	60
1113.0	6.5	ARK		AS AT 1086.7 LESS THAN 20 CPS	65
1115.7	2.7	BSLT		VFG-DKGRN UCT&LCT VERY SHARP LCT HAS ABNT BIOT OVER LAST 2 INCHES POSS PALED WTHD SURF IF SO TOPS ARE IN A DOWN HOLE DIRECTION LESS THAN 20 CPS	60
1118.0	2.3	RHY		DCT VFG LTGY WKLY FOTD OCC BIOT OCC SPKS PY KSPAR 10% LESS THAN 20 CPS	60
1127.4	9.4	BSLT		AS AT 1115.7 LCT CT MAY BE SLLY ERODED LESS THAN 20 CPS	60
1149.2	21.8	RHY		DCT AS AT 1118.0 UP TO 25% KSPAR LCL Y OCC SPKS PY LESS THAN 20 CPS	55
1153.3	4.1	BSLT		AS AT 1115.7 NO TOP INDICATED LESS THAN 20 CPS	
1155.7	2.4	MVVW BSLT		AS AT 1115.7 BRN SMPL LESS THAN 20 CPS	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
1158.3	2.6	MVVW	ARK	LTGY-FG WKLY FOTD MINOR BIOT QTZ ONL Y ABOT 10% VERY FELSIC RK SRCT WKLY DEVELOPED ALONG SHRG LESS THAN 20 CPS	60
1158.7	0.4	MVVW	SCH	BIOT GAR SCH WELL FOTD BIOT 50% CHL 20% BLBS PY 1% FOTN HLY CNRD LESS THAN 20 CPS	
1160.6	1.9	MASS	SULP	PO-PY FG SLLY BXD INCS RK FRG COMMONLY BIOT SCH 90-95% SULP LESS THAN 20 CPS	
1168.3	7.7	MVW	IF	VFG BNDD CHERY ALTG LT GY-BLK BNDS BLK BNDS MTE RICH NMRS BNDS GAR & BIOT RICH WITH SOME SPHENE AS LT BRN GRAINS IN THE GAR RICH BNDS NMRS STRS SULP PO-PY 7-8% LESS THAN 20 CPS	60
1169.0	0.7	M	QTE	LTGY FG BXTD BNDS PY 65% LESS THAN 20 CPS	
1170.4	1.4	MVW	IF	AS AT 1168.3 PY-PO 7-8% LESS THAN 20 CPS	55
1171.4	1.0	MVW	QTE	LTGY FG WKLY BNDD NMRS FRCS WHICH HAVE BEEN FILLED BY SULP PY-PO 305% LESS THAN 20 CPS	60
1174.9	3.5	MVVW	SCH	LTGY-FG HLY SHRD SRCT TREM TALC WITH OCC GAR AND MINDR BIOT VER IN -COMPETENT RK AND MAY BE THE SOURCE OF SOME SAND THAT IS COMING IN TO THE BH LESS THAN 20 CPS	65
1176.3	1.4	MVW	IF	AS AT 1168.3 PY-PO 7-8% LESS THAN 20 CPS	60
1177.0	0.7	M	IF	AS AT 1168.3 PO-PY 40% LESS THAN 20 CPS	
1177.6	0.6	MVW	IF	AS AT 1168.3 VERY VUGGY MOST SULP HAS BEEN DISSOLVED OUT APPEARS TO BE WATER BEARING SEAM AND IS THE MOST LIKELY SOURCE OF THE SAND WHICH IS COMING INTO THE BH LESS THAN 20 CPS	
1178.0	0.4	MVW	IF	AS AT 1168.3 PO-PY 7-8% LESS THAN 20 CPS	60
1179.0	1.0	M	BX	FG PO-PY SULP 70% BXTD WITH NMRS FRMS CHERY IF	
1186.0	7.0	MW	IF	AS AT 1168.3 STRS PO-PY 20-25% LESS THAN 20 CPS	60
1186.6	0.6	MASS	SULP	MASS MG PY-PO SOME RK FRMS TO 5MM 90-95% SULP LESS THAN 20 CPS	
1191.6	5.0	MVVW	IF	FG BNDD BIOT RICH BNDS ABNT GAR SLSS OCC DK GY BND MTE RICH OCC STR PY 1% LESS THAN 20 CPS BRN SAMPLE	65
1208.5	16.9		GWKE	FG-DKGY VERY DIRTY METASED BIOT-FSP QTZ WITH GOOD FOTN ALONG BIOT LCLY GAR RICH WHERE GAR RICH ALSO BIOT RICH AND SCSS ALSO LOCALLY SPHENE RICH IN ASSOCIATION WITH GAR POGRLY BNDD AND APPEARS WKLY FRML IN SOME PLACES LESS THAN 20 CPS	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
1213.5	5.0		QTE	DKGY FG GRANULAR BNDD BIOT RICH HLY SHRD MINOR SRCT ALONG SHRG OCC GAR IE A VERY DIRTY QTE LESS THAN 20 CPS	60
1216.5	3.0		GWKE	AS AT 1208.5 LESS THAN 20 CPS	55
1218.5	2.0		QTE	AS AT 1213.5 LESS THAN 20 CPS	50
1232.9	14.4		GWKE	AS AT 1208.5 VERY SCSS	60
1254.5	21.6		SKN	FG-GRN GOOD-VAGUE FOTN CALC-SILICATE RK ACT-DIOP-WITH MINOR EPIDOTE CARB AND OCC QTZ STR RARE BND BIOT-GAR RICH GWKE GENERALLY HLY SHRD WITH FOTN DUE TO ORIENTATION OF ACT LESS THAN 20 CPS	60
1259.5	5.0	MVVW	SKN	AS AT 1254.5 LESS THAN 20 CPS	65
1260.5	1.0	MVVW	CONG	QTZ PBL CONG FG-LTGY GRANULAR PBL THAT ARE 3MMX7MM STRETCHED PLL TO FOTN PBL ARE 65-70% OF THE ROCK THE MTX IS VFG DKGY-BLK BIOT RICH WITH RARE SPK BY LESS THAN 1% 30-40 CPS	65
1261.5	1.0	MVW	CONG	AS AT 1260.5 PBL ARE OFTEN CRUSHED STKS PY-PO 1-2% 60 CPS	65
1273.9	12.4	MVVW	CONG	AS AT 1260.5 PBL LESS THAN 50% OF RK IN DKGY BIOT-QTZ MTX OCC STR SULP PY-PO 20-30 CPS	65
1276.2	2.3	MVVW	GWKE	FG-DK GRN AMPB-FSP RK WKLY FOTD SED OF BASIC VOLC DERIVATION RARE SPK SULP PO-PY LESS THAN 20 CPS	60
1278.1	1.9	MVVW	QTE	FG-GY SHRD SRCT ALONG SHRG MINOR BIOT OCC STRETCHED & SHRD QTZ PBL 25 CPS	65
1280.0	1.9	MVVW	CONG	AS AT 1260.5 40-50 CPS	65
1281.7	1.7	MVW	CONG	QTZ-PBL TO 70% OF RK DK GY MTX WITH STRS PY-PO 3-5% PBL SHRD & STRET HED PLL TO FOTN 60-130 CPS	65
1287.4	5.7	MVVW	QTE	AS AT 1278.1 NMRS PBL ALL QTZ MTX SRCT ALONG SHRG 20-25 CPS	65
1296.3	8.9		CONG	QTZ-PBL GRANULAR HIGH PROPORTION OF QTZ PBL BUT THE MTX IS ALSO QTZ WITH ONLY VERY MINOR BIOT OR SULP RARE STK PYLESS THAN 1% LESS THAN 20- 25 CPS	65
1304.2	7.9		GWKE	-AGLC FG-DKGY BIOT GAR RICH WELL FOTD ALONG BIOT SHRD & STRETCHED RK FRMS ARE RARE OCC PATCH CHLC SLLY SCSS TO LCLY SCH LESS THAN 20 CPS	65
1307.5	3.3		GWKE	MAINLY AMPB-FSP RK RARE RK FRG TO 1MMX3MM WELL FOTD DUE TO ORIENTATION OF AMPB BY SHRG SLLY SCSS NOW A MAFIC SCH LESS THAN 20 CPS	65
1309.0	1.5		GWKE	AS AT 1304.2 LESS THAN 20 CPS	70
1311.1	2.1		GWKE	AS AT 1307.5 LESS THAN 20 CPS	70
1323.9	12.8		GWKE	AS AT 1304.2 LESS THAN 20 CPS	70
1353.6	29.7		BSLT	VFG-FG DKGRN HLY SHRD SOME VAGUE	65

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				FLOW TEXT IN VFG PHASE AMPB-FSP AMPB 65-70% VFG PHASE IS WKLY FOTD LESS THAN 20 CPS	70
1360.3	6.7	GWKE	AS AT 1307.5	LESS THAN 20 CPS LCT	70
				UCT VAGUE	
1368.5	8.2	QTE	FG-VFG LT GY SHRD AND WKLY FRC SRCT	ALONG SHRG MINOR BIOT AS SPKS ORIENT ED PLL TO FOTN DISS SPKS PY LESS THAN 1% FG ROUNDE GRANULAR QTZ 95%	65
1370.9	2.4	GWKE	AS AT 1307.5	LESS THAN 20 CPS	60
1383.2	12.3	BSLT	AS AT 1353.6	LESS THAN 20 CPS	65
1386.0	2.8	GWKE	AS AT 1307.5	GAR RICH	65
				14 FEET OF AW CSG AND ONE AW CSG SHOE LEFT IN HOLE START OF CORE FROM PREVIOUS DRILLING ORIG FIN 092774 DEEP 010975	
1417.2	31.2	GWKE	ARGILLACEOUS MG TO CG GY TO BROWN	LCLLY SLIGHT FOTN MAINLY QTZ BIOT WITH AMPB & PLAG WITH UP TO 20% EVEN LY DISTRIBUTED CLUSTERS OF PINK GARN ETS GARNETS RANGE FR 1 MM TO 1 CM MINOR DISS PO & PY LCLLY CONCENTRATE D IN TO D INTO BANDS CM SCALE LESS THAN 1% OVERALL LOWER CT GRADATIONAL OVER 8 CMS	60
1426.9	9.7	QTE	SERICITIC FG MG LT GY WITH BROWN	YELLOW TINT DUE TO SERICITE LCLLY DK GY DUE TO PRESENCE OF BIOT WELL DEVELOPED SCHTY LOWER CT V SHARP 60 CA LESS THAN 20 CPS	60
1428.6	1.7	GWKE	FG MG DK GY WITH 20% LT GY 2 TO 4 MM	STRETCHED & SHRD FRAGS OF PLAG WITH QTZ BOTH CTS SHARP 60 CA MTX IS MAIN LY QTZ FSP BIOT MINOR AMPB LESS THAN 20 CPS	60
1432.7	4.1	QTE	SERICITIC SCHTOSE LT GY WITH BRN YEL	LOW TINT FG MG UNIFORM RARE VAGUE MINT OF HGly STRETCHED PEBS LOWER CT GRADATIONAL OVER 6 INCHES LESS THAN 20 CPS	60
1436.0	3.3	QTE	IMPURE FG MG GY TO DK GY SERICITIC	WITH LOCAL ZONES DK GY BIOTITIC MAIN LY QTZ SERICITE & BIOT WITH TRACE DISS PY 5 TO 10% VAGUE QTZ PEBS 1 CM BY 3 CM LESS THAN 20 CPS LOWER CT SHARP 75 CA PEBS STRETCHED PARA- LLEL TO FOTN	60
1436.9	0.9	GWKE	ARGILLACEOUS FG MG DK GY WITH 1 TO 2	MM ELCNGATED CLOTS CHL BIOT PARALLEL TO FOTN 60 CA BOTH CTS SHARP LOWER CT 60 CA MAINLY QTZ BIOT PLAG	60
1446.4	9.5	RHYD	DCT FG LT GY SCTD MM SCALE EUHEDRAL	TO SUBMEDRAL QTZ PHENOS IN A FG MTX	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				OF QTZ K SPAR & PLAG SLLY SERICITIC WITH WK FOTN DISS PY 10% 40% K SPAR DEVELOPES A WK CM SCALE BANDING TOWARD BOTH CTS LOWER CT SHARP 60 CA	
1449.8	3.4	ARK		MG GY TO DK GY POSS TUFFACEOUS WK SC 60 HTY EQUIGRANULAR QTZ K SPAR PLAG & BIOT RARE PK GARNETS & TRACE DISS PY LOWER CT VERY SHARP 62 CA	
1458.4	8.6	RHYD		DCT AS AT 1446.4 LOWER CT VERY SHARP 60 CA TS AT 1456.0	
1466.0	7.6	GWKE		ARGILLACEOUS FG MG DK GY BPN WKLY SHTOSE WITH CM SCALE BANDING DUE TO GY FELSIC BANDS OVER FIRST 2 FT THEN MASSIVE UNIFORM WITH 20% UP TO 5 MM PK GARNET SCTD THROUGHOUT MAINLY FSP BIOT MINOR AMPB QTZ SIM TO AT 1417.2 LOWER CT GRADATIONAL OVER 8 CM & MARKED BY ABRUPT DISAPPEARANCE OF GARNETS	
1492.4	26.4	DIA		META POSS META BSLT MG DK GY GRN STG 65 L SHTOSE MM SCALE BANDING MAINLY AMPB FSP & BIOT LOWER CT GRADATIONAL AS ABOVE LCLLY APPEARS AS FG FSP WITH HGLY STRETCHED CLOTS AMPB BIOT	
1502.6	10.2	GWKE		ARGILLACEOUS AS AT 1466.0	
1517.9	15.3	GWKE		FG MG GY GRN LCLLY ARGILLACEOUS WITH BIOT AMPB & GARNETS & LCLLY SLCS WITH H QTZ FSP AN INTERBEDDED META SED LCLLY SHTOSE	60
1520.0	2.1	QTE		PEBBLY & CONGLOMERATIC 15% VAGUE 5 MM BY 3 CM HGLY STRETCHED QTZ PEBS IN A GY TO DK GY MIX OF QTZ BIOT & AMPB SCTD PK GARNETS ASSOC WITH BIOT PEBS PARALLEL TO FOTN BOTH CTS GRADATIONAL OVER 5 CM LESS THAN 20 CPS	60
1520.9	0.9	ARG		FG MG DK GY GRN AMPB FSP BIOT QTZ ROCK WITH SCTD CM SCALE DIOP DISS PY LESS THAN 1% LOWER CT SHARP 58 CA ROCK IS SHTOSE WITH WK MM SCALE BANDING	60
1526.1	5.2	QTE		PEBBLY & CONGLOMERATIC AS AT 1520.0 LOWER CT GRADATIONAL	60
1534.5	8.4	QTE		FG MG GY TO DK GY SERICITIC & GRADUALLY BECOMING BIOTITIC & ARGILLACEOUS DOWNHOLE RARE VAGUE QTZ PEBS MAINLY QTZ WITH SERICITE BIOT MINOR FSP & PK GARNET WKLY SHTOSE LOWER CT GRADATIONAL	60
1545.6	11.1	GWKE		ARGILLACEOUS MAINLY FSP BIOT AMPB QTZ 7 FG MG DK GY GRN INTERBEDDED WITH 2 TO 4 CM LT GY LENSES OF QTE & ARKOSE LCLLY CM SCALE BANDING LOWER CT GRADATIONAL LESS THAN 20 CPS	
1575.0	29.4	QTE		FG MG GY TO DK GY FSPIC & LCLLY ARKOSE CM SCALE BANDING MAINLY QTZ BIOT	

DEPTH LENGTH MNZN ROCK

DESCRIPTION

ANG

& RARE DIOP SLIGHT REDDISH BRN TINT
WHERE ARKOSIC BANDING PROB REPRESENT
S RELIC BEDDING LESS THAN 20 CPS 14
FT OF AW CSG & AW CSG SHOE LEFT IN
HOLE FOOT OF HOLE

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

CHK'D.....

BOREHOLE# 54413-0 PROPERTY SAKAMI PROJECT NTS# 33F2W SH# ANOM# DEPTH 757 AZIMUTH 180 GRID B. DIP -45 ELEV S LATITUDE 25 DEPARTURE E 2400 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
200 -38 30 400 -25 30 600 -20 00 750 -14 00

COMMENTS

LOGGED BY..A M GALLOP STARTED..JAN 10, 1975 COMPLETED..JAN 16, 1975
DRLD BRAD BROS AQ CORE ZONE 1 & 2 PER 548 WATER FROM
LAKE 1000 FT

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0.0	0.0			COLLAR	
35.0	35.0			OB SND GVL & BLDRS AW CSG START OF CORE	
40.6	5.6	DIA		META POSS META BSLT MG GRN MASSIVE & UNIFORM WITH SCTD LT GY CM SCALE BLBS CARBONATE VEINS (Q) MAINLY AMPB & FSP WITH MINOR BIOT BECOMING MORE BIOTITIC & SHTOSE OVER LAST FT TO SHARP LOWER CT 60 CA	
52.6	12.0	ARK		POSS DCT TUFF MG LT GY SLLY SHTOSE 60 MAINLY QTZ PLAG MINOR SERICITE & BIOT WITH 5% K SPAR ROCK IS PEBBLY WITH NUMS UP TO 3 MM PEBS OF QTZ IN A FINER GRAINED MTX ALSO FRAGS OR PEBS OF PLAG ALTN TO SAUSEPITE PEBS ARE STRETCHED PARALLEL TO FOTN ROCK BECOMES MORE SHTOSE & EQUIGRANULAR TOWARD BOTH CTS LOWER CT SHARP 55 CA	
56.7	4.1	ARG		LESS THAN 20 CPS K SPAR IS IN MTX META MG DK GY SHTOSE BIOT FSP SCH UNIFORM MINOR QTZ AMPB LOWER CT SHARP 60 CA WITH MM SCALE BANDING	60
66.0	9.3	ARK		SERICITIC SHTOSE MG FG LT GY WITH YELLOW BRN TINT SUGARY MAINLY QTZ PLAG SERICITE WITH 5% K SPAR LOWER CT SHARP 60 CA DISS PY 1 TO 2 %	60
66.8	0.8	GWKE		ARGILLACEOUS DK GY TO GRN BRN FG MG SHTOSE MAINLY FSP AMPB & BIOT BOTH CTS SHARP 60 CA	60
69.8	3.0	ARK		AS AT 66.0 LOWER CT GRADATIONAL	
82.7	12.9	ARK		DIRTY ARGILLACEOUS MOTTLED AND SLLY CONTORTER APPEARANCE SERICITIC MAINLY QTZ PLAG SERICITE WITH 5% K SPAR BIOT & AMPB SCTD THROUGHOUT LCLLY DEVELOPEMENT OF CM SCALE PORPHYROBLA STS OF AMPB IN MORE ARGILLACEOUS SECTIONS GRANULATED SUGARY TEXT SHTOSE 60 CA	60
87.7	5.0	MVVW	ARK	AS AT 82.7	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
89.6	1.9 M	QTE		FG MG DK GY QTZ MINOR FSP WITH 40 TO 50% DISS PO SULP APPEARS INTERSTICIAL TO QTZ GRAINS PY 1%	
90.6	1.0	MVVW	QTE	ARGILLACEOUS MM SCALE BANDING FG MG DK GY & DK GRN BANDS CF AMPB BIOT RICK UP TO 1 CM PK GARNET PORPHYROBLASTS IN THE ARGILLACEOUS MATERIAL LOWER CT BKEN & GROUND	60
94.6	4.0	MVVW	GWKE	FG MG DK GRN RARE SCTD PEBS QTZ ESPECIALLY AT UPPER CT INDICATING TOPS TO SOUTH SCTD IRREGULAR FRCTS WITH QTZ LCLLY MTC WITH LESS THAN 1% MAGNETITE VERY SLLY SCHTOSE MAINLY AMPB QTZ FSP & BIOT EQUIGRANULAR HOMOGENOUS SCTD BLBS QTZ WITH EPIDOTE POSS BSLT	
105.3	10.7		GWKE	AS AT 94.6	
117.1	11.8		DIA	META MG DK GRN SHTOSE UNIFORM FSP AMPB MINOR QTZ BIOT ROCK. LCLLY MORE BIOTITIC BOTH CTS FG GY BRN BIOTITIC LOWER CT SHARP 65 CA	60
122.8	5.7		GWKE	GY GRN FG MG LCLLY SLLY SHTOSE MAINLY AMPB FSP QTZ SOME BIOT SCTD HACKY VEINLETS OF QTZ WITH EPIDOTE UP TO 3 MM PEBS & FRAGS OF FSP OVER 1 FT ON LOWER CT PEBS DISAPPEAR DOWNHOLE INDICATING TOPS TO SOUTH UNIT SIMILAR TO 94.6 LOWER CT BIOTITIC SHARP 50 CA	55
124.8	2.0	MVVW	GWKE	AS AT 122.8 REPEAT OF SEQUENCE TOPS TO SOUTH BECOMES FINER GRAIND WITH APPEARANCE OF MM SCALE PK GARNETS LOWER CT GRADATIONAL OVER 10 CMS	
125.4	0.6	MVVW	QTE	DIRTY IMP FG MG DK GY WITH SCTD MM SCALE PK GARNETS MAINLY QTZ WITH BIOT & GAR	
126.0	0.6 M		IF	40% DISS PO IN A DK GY MG QTE SULP UNIFORMLY DISTRIBUTED 1% PY LOWER CT GRADATIONAL	
127.2	1.2	MW	IF	GRADUALLY BECOMES ARGILLACEOUS WITH AMPB & BIOT AND BANDED 2 TO 3 MM SCALE BANDS PO 10% BANDS MT 25% & ARGILLACEOUS QTE MATERIAL STGL MTC LOWER CT SHARP 60 CA & MARKED BY BAND PK GARNETS	60
130.5	3.3	MVVW	ARK	MG LT GY MICAEOUS SHTOSE MAINLY QTZ FSP SERICITE & FLKS BIOT GIVING A PRONOUNCED FOTH SCTD PK GARNETS BOTH CTS SHARP 60 CA	65
131.5	1.0	MW	IF	AS AT 127.2 20% PO 10% MT	
133.1	1.6 M		IF	AS AT 126.0 50% TO 60% PO WITH QTE LOWER CT SHARP 50 CA	
138.1	5.0	MVVW	GWKE	ARGILLACEOUS FG MG DK GY QTZ FSP BIOT MINOR AMPB ROCK SCTD UP TO 2 CM CLUSTERS OF PK GARNETS LCLLY CM SCAL	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				E BANDING WITH ALTN BANDS QTZ FSP EPID AND BIOT AMPB FSP LOWER CT SHAR P 48 CA LCLLY MTC FOTN 45 TO 53 CA	
151.6	13.5	MVVW	GWKE	AS AT 138.1	
156.1	4.5	MVVW	QTE	MICAECUS & FSPIC LT GY FG MG MAINLY QTZ WITH SERICITE BIOT & FSP SCHTOSE SIMILAR TO 130.5 ONLY NOT AS MUCH FSP LOWER CT SHARP 40 CA	55
159.6	3.5	MS	SULP	70% PO 10% UP TO 2 CM BLBS PY WITH MINOR QTZ BIOT & AMPB LCLLY MM SCALE VUGS LOWER CT SHARP 50 CA	
168.0	8.4	MVVW	QTE	SERICITIC & FSPIC SCHTOSE AS AT 156.1 GRADUALLY BECOMING LESS MICAEO US DOWNHOLE DARKER MORE ARGILLACEOUS DOWNHOLE	50
171.5	3.5	MVVW	QTE	AS AT 168.0 REPEAT OF SEQUENCE	55
176.7	5.2	MVW	GWKE	DK GY FG MG LCLLY SLCS & THEN ARGILL ACEOUS SCTD BANDS 5 INCHES UP TO 40% PO IN THE MGRE FSPIC ZONES 10% PO LESS THAN 1% PY OVERALL AN INTERBEDD -ED MTSO	
177.8	1.1	MVVW	ARK	FG MG LT GY SLLY SCHTOSE UNIFORM QTZ FSP MINOR BIOT LOWER CT BIOTITIC BKE N & GROUND PROB SHARP	
181.6	3.8	MVVW	DIA	META FG MG DK GRN SLLY SCHTOSE SCTD BLBS QTZ CARB & EPID ROCK IS MAINLY AMPB FSP MINOR QTZ & LCLLY BIOTITIC LOWER CT 65 CA	
189.8	8.2	DIA		AS AT 181.6	
198.0	8.2	ARG		FG DK GY GRN MOTTLED CM SCALE LCLLY FG LT GY ARKOSIC BANDS ROCK IS MAINL Y AMPB FSP CHL SCTD BIOT SCTD BLBS & BANDS QTZ LOWER CT SHARP 65 CA	
201.7	3.7	ARK		FG MG GY SLLY SCHTOSE WITH WK MM SCA LE BANDING MAINLY PLAG WITH QTZ & SC TD FLKS BIOT & SERICITE ROCK IS UNIF ORM EQUIGRANULAR LOWER CT SHARP 70 CA	70
203.8	2.1	ARG		MG GY GRN SLLY SCHTOSE SOFT MAINLY BIOT CHL AMPB WITH SOME FSP & SCTD CM SCALE BLBS QTZ LCLLY FIBEROUS SCHTOSE TEXT RARE SCTD MM SCALE DISS PY LESS THAN 1% LOWER CT SHARP 65	65
212.7	8.9	QTE		SERICITIC & SCHTOSE LT GY TO GY WITH YELLOWISH TINT FG TO MG GRANULAR QTZ FOTN VARIES 50 TO 60 CA LOWER CT SHARP 40 CA	50
215.8	3.1	GWKE		ARGILLACEOUS FG MG DK GY GRN SCHTOSE AMPB BIOT FSP MINOR QTZ ROCK LCLLY MM SCALE BANDING DUE TO BIOT RICH BANDS LOWER CT SHARP 65 CA	65
218.4	2.6	QTE		SERICITIC & SCHTOSE AS AT 212.7 LCLL Y MM SCALE BANDING WHERE BECOMES ARG ILLACEOUS WITH MINOR AMPB BIOT & EPIDOTE LOWER CT SHARP UNDULATING 75	50

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
221.9	3.5		GWKE	MG FG GY GRN SLLY SCHTOSE MAINLY AMP B FSP MINOR QTZ BIOT BECOMES MORE BIOTITIC TOWARD BOTH CTS LOWER CT SHARP UNDULATING 75 CA POSS THIS UNI T IS DIA DIKE	70
225.7	3.8		QTE	MG FG GY TO DK GY WK MM SCALE BANDIN G SCTD FLKS BIOT & SERICITE LOWER CT INDISTINCT DUE TO ASSIMILATION BY QT Z VEIN	70
228.9	3.2		VEIN	QTZ MASSIVE WHITE WITH SCTD 5 MM SCA LE BLBS PD LESS THAN 1% OVER ALL ALSO SCTD MM SCALE BOOKS OF BIOT LOWER CT SHARP 75 CA & SHOWS MINOR INCLUSIONS OF WALL ROCK	
237.7	8.8		GWKE	AS AT 215.8 DK GY GRN FG MG LOWER CT SHARP 40 CA FOTN VARIES 45 TO 65 CA	60
257.2	19.5		QTE	SERICITIC SCHTOSE LT GY TO GY WITH YELLOWISH BRN TINT FG MG MM TO CM SCALE BANDING LCLLY ARGILLACEOUS WIT H MINOR BIOT WITH DISS PD LESS THAN 1% RARE QTZ PEBS HGLY STRETCHED 5 MM BY 2 CM MANY OF WHICH APPEAR AS SERI CITE FREE QTZ BANDS LOWER CT SHARP 75 CA	70
259.4	2.2		GWKE	FG MG GY TO DK GY ARKOSIC MAINLY PLAG QTZ AMPB & BIOT WKLY SCHTOSE SC TD FRAGS 5 MM OF PLAG LOWER CT SHARP 70 CA LCLLY CM SCALE BANDS MORE FSPI C	70
260.2	0.8		QTE	MG LT GY CM SCALE BANDING DUE TO NAR ROW SEAMS ARGILLACEOUS MATERIAL WHIC H REFLECTS RELIC BEDDING LOWER CT SHARP 65 CA ROCK IS SLLY SCHTOSE WIT H SERICITE & MINOR BIOT FLKS	60
261.2	1.0		ARG	FG MG DK GY BRN SCHTOSE AMPB BIOT FS P ROCK BIOT OCCURS WITH CHL IN 3 MM FLONGATED CLOTS PARALLEL TO FOTN SCTD BLBS CM SCALE FSP EPIDOTE LOWER CT SHARP 70 CA	65
274.2	13.0		ARK	FG MG LT GY MICAEOUS & PEBBLY WITH SCTD MM SCALE PEBS OF QTZ IN A FG SUGARY MTX OF PLAG K SPAR & QTZ WITH SCTD FLKS BIOT & SERICITE SCTD DISS PY LESS THAN 1% SCTD PK GARNETS STAI -NING SHOWS COMPOSITIONAL CM SCALE BANDING WITH K SPAR RICH BANDS LOWER CT SHARP 80 CA POSS RHYO DCT	
276.4	2.2		GWKE	MG DK GY GRN SCHTOSE MM SCALE BANDIN G AMPB FSP BIOT MINOR QTZ ROCK SCTD BLBS FSP EPIDOTE LOWER CT SHARP 65 CA	65
283.3	6.9		QTE	DIRTY IMPURE SERICITIC FG MG DK GY CM SCALE BANDING FOTN VARIES 45 TO 65 CA MAINLY QTZ WITH SERICITE AMPB BIOT & MINOR FSP SCTD DISS PY LESS	55

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				THAN 1% LCLLY BANDING APPEARS TO BE PEBBLES BUT OBSCURE DUE TO SHEARING WITH SERICITE LESS THAN 20 CPS SCTD QTZ VEINS WITH BOOKS OF BIOT	
286.5	3.2	QTE		SERICITIC FG MG GY WITH GREENISH TIN T UNIFORM SHTOSE	65
288.8	2.3	QTE		AS AT 283.3 LOWER CT SHARP 60 CA	60
302.2	13.4	DIA		META MG DK GRN SLLY SHTOSE AMPB FSP BIOT ROCK MINOR QTZ INCLS OF QTE AS AT 283.3 WITH QTZ VEIN AT 292.2 CTS AROUND INCLS SHARP & IRREGULAR LOWER CT SHARP IRREGULAR 40 CA	
314.2	12.0	ARK		AS AT 274.2 LOWER CT SHARP 60 CA LCL LY VERY SERICITIC	
315.8	1.6	DIA		AS AT 302.2 BIOTITIC MINOR EPIDOTE LOWER CT MARKED BY 3 INCH QTZ VEIN	
318.6	2.8	QTE		ARGILLACEOUS DIRTY MG FG DK GY GRANULAR QTZ WITH ABUNDANT BIOT AMPB SOME CHL & MINOR FSP & GARNET DISS PO PY LESS THAN 1% WK INDISTINCT BEDDING 65 CA LOWER CT SHARP 65 CA RARE SCTD 3 OR 5 CM SCALE QTZ PEBS LESS THAN 20 CPS	65
329.0	10.4	QTE		FG MG GRANULAR DK GY IMPURE LCLLY SERICITIC SHTOSE MM TO CM SCALE BANDING PEBBLY WITH 10% QTZ PEBS RANGING FROM 5 MM TO 3 CM LONG AXIS & 2 MM TO 8 MM SHORT AXIS PEBS ORIENTED PARALLEL TO FOTN 55 TO 65 CA MTX IS QTZ BIOT SERICITE WITH MINOR AMPB & LCLLY DISS PO PY LESS THAN 1% LCLLY BANDING IS CONTORTED SLUMPING (Q) LESS THAN 20 CPS THROUGHOUT LOWER CT SHARP CROSS CUT 75 CA	60
333.7	4.7	ARG		MAFIC FG MG DK GY SHTOSE MM SCALE BANDING BIOT FSP AMPB SOME CHL & SCTD MM SCALE ROUNDED QTZ CLOTS OF BIOT CHL & GRAINS OF QTZ IN A DK GY FSPIC ARGILLACEOUS MTX LOWER CT SHARP BIOTITIC & MARKED BY 6 INCH QTZ VEIN	75
341.6	7.9	QTE		AS AT 329.0 PEBBLY & LCLLY CONGLOMERATIC LOWER CT SHARP 70 CA LESS THAN 20 CPS	65
342.7	1.1	ARK		MG DK GY PEBBLY 15% SCTD ROUNDED UP TO 3 MM PEBS OF QTZ IN A DK GY MTX OF GRANULAR FSP QTZ MINOR BIOT SCTD PK GARNETS LESS THAN 1% DISS PY MM SCALE BANDING 70 CA LOWER CT SHARP INTERBEDDED 70 CA	70
344.6	1.9	GWKE		ARGILLACEOUS FG DK GY BRN SLLY SHTOSE MAINLY QTZ FSP BIOT AMPB MINOR GARNET LCLLY SHTOSE WITH GRN MICA RARE SCTD HGLY STRETCHED QTZ PEBS LOWER CT SHARP & MARKED BY QTZ VEIN	70
346.3	1.7	QTE		PEBBLY AS AT 341.6 LOWER CT SHARP 60 70	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
352.9	6.6	GWKE		CA LESS THAN 20 CPS FG DK GY BRN MAINLY QTZ FSP AMPB & BIOT MINOR DISS PO LESS THAN 1% SLLY SCHTOSE SIMILAR TO 344.6 RARE SCTD QTZ PEB GRADUALLY MORE SLCS DOWNHOLE WITH DEVELOPEMENT OF WK CM SCALE BANDING LOWER CT SHARP & MARKED BY 4 INCH QTZ VEIN	70
359.0	6.1	QTE		MG DK GY IMPURE LCLLY INTERBEDDED WITH 4 INCH ARGILLACEOUS BEDS WITH BIOT & GRN MICA CM SCALE BANDING ROCK IS MAINLY QTZ BIOT MINOR FSP WITH MM SCALE BK SEAMS BIOT WHICH MAY REFLECT RELIC BEDDING VERY RARE SCTD QTZ PEB 2 CM BY 8 MM DISS PO PY LESS THAN 1% LESS THAN 20 CPS	70
374.4	15.4	ARK		PEBBLY LT GY FG MG NUMS LT GY STRETC HED AUGEN LIKE UP TO 5 MM PEBBS OF QTZ & PLAG IN A FG GRANULAR GY MTX OF QTZ PLAG SCTD BOOKS OF BIOT LCLLY MINDR K SPAR IN MTX POSS THIS UNIT IS DCT TUFF IS AT 372.5 LCLLY CONC ENTRATION OF FRAG VARIES 5 TO 25% FRAGS DISAPPEAR TOWARD BOTH CTS LOWE R CT SHARP 70 CA	75
387.9	13.5	DIA		META MG DK GRN SLLY SCHTOSE AMPB FSP WITH MINOR BIOT ROCK GRADUALLY BECOM ES FINER GRAINED MORE SCHTOSE DOWN HOLE TO MAKE LOWER CT AGAINST ARG OBSCURE SCTD BLBS & VEINS QTZ	70
394.2	6.3	ARG		DK GY FG MG AMPB BIOT FSP ROCK INTER BEDDED WITH GY FG MASSIVE QTE BEDS ROCK IS SLLY SCHTOSE & LCLLY DISS PY PO 1% MINOR CHL IN ARG ZONES LOWER CT GRADATIONAL OVER 4 INCHES & MARKE D BY APPEARANCE OF QTZ PEBBS	70
401.1	6.9	QTE		PEBBLY & CONGLOMERATIC WITH 10% LT GY UP TO 3 CM BY 5 MM HGLY STRETCHED QTZ PEBBS MANY OF WHICH APPEAR AS CLE AR QTZ BANDS IN A DK GY GRANULAR MTX OF QTZ MINOR BIOT SERICITE & DISS PY LESS THAN 1% CM SCALE BANDING WHICH REFLECTS RELIC BEDDING LOWER CT SHAR P 70 CA LESS THAN 20 CPS	70
403.7	2.6	ARG		MICAEOUS FG GY SCHTOSE MAINLY TREM SERICITE QTZ BIOT & MINOR FSP MOTILE D TEXT LOWER CT V SHARP 70 CA DISS PY LESS THAN 1%	70
408.1	4.4	QTE		SERICITIC SCHTOSE PEBBLY & CONGLOMER ATIC CM SCALE BANDING 10% VAGUE HGL Y STRETCHED 5 MM BY 25 MM QTZ PEBBS IN A DK GY SERICITIC QTZ MINOR BIOT MTX RARE TRAINS DISS PO LESS THAN 1% PARALLEL TO FOTN MANY OF QTZ PEBBS AP PEAR AS NARROW BANDS LESS THAN 20	70

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
413.1	5.0	MVVW	DIA	CPS LOWER CT SHARP 70 CA FG MG DK GY GRN UNIFORM MASSIVE BOTH CTS SHARP & BIOTITIC OVER 2 CM CHILL ED SCTD FRCTS & VEINLETS QTZ EQUIGRA NULAR FSP QTZ AMPB WITH SCTD FLKS BI OT TRACE DISS PY	
414.1	1.0	MVVW	QTE	PEBBLY & CONGLOMERATIC AS AT 408.1 NOT AS SERICITIC LOWER CT GRADATIONA L 20 TO 40 CPS	70
414.5	0.4	MVVW	QTE	PEBBLY & CONGLOMERATIC UNIFORM GY CG 5% 2 CM BY 1 CM QTZ PEB IN A CG GRANULAR QTZ MTX MINOR SERICITE & DI SS PO LESS THAN 1% 40 TO 70 CPS	
414.8	0.3	MVVW	CONG	QTZ PEB 70% TIGHTLY PACKED QTZ PEB 2 CM BY 5 MM IN A DK GY MG GRANULAR MTX OF QTZ MINOR BIOT & SERICITE PEBS ARE STRETCHED & SHRD & GIVE ROC K A BANDED APPEARANCE 70 CA 20 TO 40 CPS	70
415.6	0.8	MVVW	QTE	LT GY WHITE SERICITIC WITH SCTD BOOK S OF BIOT MOST LIKELY A SHRD QTZ VEI N INDISTINCT CTS DUE TO ASSIMILATION OF CONG LESS THAN 20 CPS	
416.1	0.5	MVVW	CONG	AS AT 414.8 20 TO 50 CPS	
417.0	0.9	MVVW	CONG	AS AT 414.8 PEB NOT READILY DISTING UISHABLE 50 TO 110 CPS HIGHEST READI NGS CONCENTRATED IN CM WIDE DK GY BAND GRANULAR FG QTZ BIOT DISS PO PY LESS THAN 1%	70
420.4	3.4	MVVW	QTE	PEBBLY & CONGLOMERATIC AS AT 408.1 LESS THAN 20 CPS LOWER CT SHARP 55CA	70
458.6	38.2		DIA	MG CG MASSIVE UNIFORM DK GY GRN MAIN LY STUBBY FIBEROUS AMPB WITH FSP MIN OR QTZ&BIOT SCTD DISS POPY LESS THAN 1% OVERALL ROCK IS GRN&CHLC FOR 3FT FROM UPPER CT LOWER CT SHARP IRREGUL AR 85 CA 3 IN INCLS OF FG DK GRN BSLT POSS DIA DIKE AT 457.0	
462.0	3.4		BSLT	POSS FG DIA DIKE DK GRN FG MASSIVE UNIFORM WITH SCTD BLBS & VEINLETS OF QTZ LOWER CT SHARP 80 CA SIMILAR TO INCLS ABOVE AMPB BIOT FSP ROCK FG DISS PY LESS THAN 1% CONTACTS SUGGES T DIKE	
464.4	2.4		ARK	MG DK GY MASSIVE SUGARY TEXT PLAG QT Z WITH BIOT & MINOR AMPB RARE SCTD 1 TO 2% LT GY MM SCALE FRAGS & PEB S OF QTZ & PLAG SLIGHT MOTTLED APPEARA NCE DUE TO LT GY MORE FELSIC PATCHES LOWER CT SHARP 75 CA	
467.6	3.2		DIA	META FG MG DK GY GRN SHTOSE AMPB FS 70 P BIOT MINOR QTZ ROCK LOWER CT SHARP 70 CA MM SCALE BANDING DUE TO SEGRAT ION OF BIOT AMPB	
472.1	4.5		ARK	AS AT 464.4 SLLY COARSER GRAINED WIT	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
487.0	14.9	DIA		H 5% QTZ & FSP FRAGS QTZ ROUNDED FSP SUBANGULAR LOWER CT SHARP 75 CA META AS AT 467.6 LOWER CT SHARP 75 CA	75
489.5	2.5	ARK		DK GY FG MG SCHOSE DUE TO ALOGNMENT OF BIOT FLKS RARE UP TO 1 MM LESS THAN 1% LT GY PEBS OF QTZ AND FSP IN A FG SUGARY MTX OF FSP & QTZ NO K SPAR LOWER CT SHARP 70 CA	75
492.7	3.2	DIA		AS AT 467.6 LOWER CT SHARP 75 CA	75
494.7	2.0	ARK		AS AT 464.4 LOWER CT ABRUPT OVER 2 INCHES & MARKED BY APPEARANCE OF LG QTZ & FSP PEBS SLLY SCHOSE DUE TO BIOT	
497.2	2.5	ARK		60% UP TO 4 MM LT GY SUBANGULAR BPLA & ROUNDED QTZ FRAGS IN A DK GY MTX OF PLAG QTZ WITH FLKS BIOT DISTINCT FOTN 75 CA DISS PY LESS THAN 1% MANY OF FRAGS STRETCHED PALL TO FOTN & APPEAR AS AUGENS FRAGS DISAPPEAR OVER LAST 3 IN TOWARD SHARP LOWER CT 75 CA	75
498.3	1.1	DIA		AS AT 467.6 LOWER CT SHARP 75 CA	
501.3	3.0	ARK		FG GY TO DK GY MASSIVE MAINLY PLAG WITH QTZ & SCTD ACCICULAR AMPB SUGARY TEXT VERY RARE LESS THAN 1 MM QTZ & PLAG FRAGS GRADUALLY BECOMES DK GRN ARGILLACEOUS WITH AMPB & BIOT TOWARD SHARP LOWER CT 75 CA 6 IN MASSIVE WHITE QTZ VEIN WITH SOME TOURMALINE XTLS AT 501.0	
514.2	12.9	QTE		MG FG LT GY TO WHITE MINOR SERICITE RARE HGLY STRETCHED 25 MM BY 8 MM QTZ PEBS THAT APPEAR AS CLEAR QTZ BANDS MINOR CM SCALE ZONES WITH GRN CHROMITE MICA WK SCHTY 75 TO 80 CA SCTD 4 TO 5 CM SCALE QTZ VEINING LOWER CT SHARP 75 CA SUGARY TEXT	75
514.8	0.6	ARG		MG DK GY MASSIVE AMPB BIOT CHL WITH QTZ FIBEROUS FLKY TEXT LOWER CT GROUND PROB SHARP	
518.8	4.0	QTE		LT GY TO WHITE MG FG SLLY SERICITIC & SCHOSE NO DISTINGUISHABLE QTZ PEB S 6 IN MASSIVE WHITE QTZ VEIN AT 517 .0 APPEARANCE OF SCTD BK FLKS BIOT LESS THAN 20 CPS LOWER CT SHARP 75 CA	75
520.6	1.8	QTE		DK GY ARGILLACEOUS CM SCALE BANDING PARE 2 CM BY 8 MM QTZ PEBS IN A MG MTX OF QTZ BIOT & AMPB LOWER CT SHARP 75 CA	75
538.5	17.9	QTE		LT GY SERICITIC MG FG SCTD ORANGE RED PATCHES IRON STAINING CM SCALE BANDING WITH POSS HGLY STRETCHED PEBS FOR FIRST 3 FT GRADUALLY BECOME	75

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				S ARGILLACEOUS OVER LAST FT TO SHARP LOWER CT AT 75 CA QTZ VEINING AT 522 .0 LOWER CT INDICATES TOPS SOUTH	
546.1	7.6	QTE		GY MG SERICITIC UNIFORM SCTD ORANGE	75
551.8	5.7	QTZ		RED PATCHES IRON STAINING WK SCHTY VEIN MASSIVE WHITE SHARP CTS MINOR INCLS OF SERICITIC QTE	
566.6	14.8	QTE		AS AT 546.1 MASSIVE UNIFORM SERICITIC LOWER CT INDISTINCT OVER 8 INCHES DUE TO ASSIMILATION BY DIA	
588.2	21.6	DIA		META MG DK GRN SLLY SCHTOSE FG WITH INCLS OF QTE OVER 3 FT FROM UPPER CT SLLY FINER GRAINED & SCHTOSE TOWARD SHARP LOWER CT AT 65 CA MAINLY STUBBY FIBEROUS AMPB WITH FSP & MINOR BIOT SCTD 2 TO 4 CM FG DK GY INCLS OF ARKOSE	75
600.1	11.9	ARK		PEBBLY & FRAGMENTAL NUMS LT GY UP TO 3 MM ROUNDED PEBS CF QTZ & SUBANGULAR FRAGS OF PLAG IN A GY TO DK GY FG MTX OF PLAG QTZ & LCLLY K-SPAR WITH FLKS BIOT ROCK BECOMES FINER GRAINED WITH DISAPPEARANCES OF PEBS TOWARD BOTH CTS POSS THIS ROCK IS DCT TUFF OR RHYO DCT TUFF BUT ITS CLOSE ASSOCIATION WITH QTE INDICATES ARK SCTD PK GARNETS & DISS PY LESS THAN 1% THROUGHOUT LOWER CT SHARP 70 CA	75
604.0	3.9	DIA		META MG DK GY GRN SCHTOSE AMPB FSP MINOR QTZ BIOT ROCK LOWER CT SHARP 65 CA SIMILAR TO AT 588.2	75
623.3	19.3	QTE		LT GY WHITE SERICITIC SLLY SCHTOSE GRANULAR TEXT SCTD REDDISH PINK IRON STAINING LOWER CT GRADATIONAL AS ROCK BECOMES ARGILLACEOUS LESS THAN 20 CPS LCLLY THE IRON STAINING GIVES THE ROCK A 5 MM SCALE BANDING	80
625.1	1.8	QTE		ARGILLACEOUS CM SCALE BANDING DK GY TO LT GY FG MG FOTN VARIES 65 TO 75 CA QTZ AMPB BIOT CHL PK GARNET MINOR TRAINS EPIDOTE LOWER CT SHARP 70 CA	70
629.6	4.5	DIA		FG DK GRN MASSIVE & UNIFORM NUMS IRREGULAR VEINLETS QTZ BOTH CTS SHARP LOWER 65 CA AMPB FSP ROCK	
633.4	3.8	QTE		ARGILLACEOUS GOING TO ARGILLITE DOWN HOLE AS BIOT & PK GARNET BECOME LARGER & MORE NUMEROUS CONTINUATION OF UNIT AT 625.1 LOWER CT SHARP 50 CA TCP INDICATION TO SOUTH	70
655.5	22.1	QTE		MG LT GY TO WHITE SERICITIC SCTD 3 TO 4 MM SCALE PATCHES ORANGE RED IRON STAINING ROCK IS UNIFORM & SLLY SCHTY LOWER CT SHARP 80 CA	80
669.5	14.0	ARK		FG MG GY MM TO CM SCALE BANDING LCLLY SERICITIC PEBBLY WITH SCTD MM SCALE	80

DEPTH LENGTH MNZN ROCK DESCRIPTION ANG

E PEBS OF QTZ 1% DISS PY THROUGHOUT
ROCK IS MAINLY PLAG QTZ SERICITE WIT
H SCTD FLKS BIOT SCTD QTZ VEINS LOWE
P CT SHARP & MARKED BY QTZ VEIN

680.5 11.0 QTE AS AT 655.5 NO IRON STAINING CLEAN 80
LT GY TO WHITE LOWER CT BKEN GROUND

682.0 1.5 QTE DK GY MG ARGILLACEOUS MAINLY QTZ BIO 80
T AMPB MINOR CHL & DISS PY LESS THAN
1% ROCK IS SCHOSE & LOWER CT GRADA-
TIONAL OVER 8 INCHES

691.2 9.2 QTE SERICITIC LT GY TO WHITE FG MG CLEAN 80
UNIFORM LOWER CT GRADATIONAL OVER 2
INCHES

693.4 2.2 GWKE GY TO DK GY MG FG SCHOSE QTZ FSP AM 80
PB BIOT ROCK BIOT AS NARROW MM SCALE
CLOTS GIVING THE ROCK A PRONOUNCED
FOTN LOWER CT SHARP 80 CA

714.4 21.0 QTE SERICITIC LT GY TO WHITE RARE TINT 80
GRN DUE TO CHROMITE MICA MG TO CG
WITH UP TO 5 MM PEBS OR GRAINS OF QT
Z CLEAN UNIFORM GRADUALLY BECOMES
BIOTITIC & ARGILLACEOUS OVER LAST 2
FT TO SHARP LOWER CT 45 CA

723.2 8.8 PEG CG UP TO 1 CM QTZ PLAG & PALE GRN TI
NT MUSCOVITE BOTH CTS SHARP & CROSS
CUTTING LOWER AT 20 CA LOCAL VARIATI
ONS IN GRAIN SIZE

725.6 2.4 ARG MG DK GRN BRN AMPB BIOT QTZ ROCK WIT
H 30% UP TO 1 CM PK GARNETS MASSIVE
TRACE DISS PY LESS THAN 1%

731.5 5.9 PEG AS AT 723.2
757.0 25.5 QTE LT GY TO WHITE FG MG SERICITIC SUGAR 85

Y TEXT LCLLY 3 TO 4 INCH ZONES DK GY
ARGILLACEOUS WITH MINCR FSP SCTD FLK
S BIOT & BLACK AMPB THROUGHOUT BECOM
ES FSPIC & ARGILLACEOUS WITH QTZ VEI
NING OVER LAST 2 FT FOOT OF HOLE
35 FT AW CSG & AW CSG SHOE LEFT IN
HOLE

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE
 54414-0 SAKAMI PROJECT 33F2W 00750 028 30 18000 -45 00 S000750 E005600

DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -40 30 0400 -34 30 0600 -34 30

COMMENTS

LOGGED BY..A M GALLOP STARTED..JAN 11, 1975 COMPLETED..JAN 23, 1975
 DRLD BRAD BKOS AQ CORE PFR 548 ZONES 1 & 2 ON LAKE 9 FT OF
 WATER ALL CSG RECOVERED

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0026.0	26.0			SAND CLAY FEW BLBRS AW CSG START OF CORE	
0026.6	0.6	ARK		PEBBLY 50% UP TO 5 MM AUGEN LIKE LT GY PEBBS OF QTZ & PLAG IN A DK GY FG TO MG SUGARY MTX OF QTZ PLAG & MINOR FLKS BIOT PEBBS ARE STRETCHED PARALLE L TO FOTN AT 45 CA LOWER CT SHARP 42 CA	45
0039.3	12.7	ARK		FG MG LT GY WITH YELLOWISH TINT SERI CITIC 15% MM SCALE LT GY PEBBS OF QTZ IN A FG SHTOSE SUGARY MTX OF PLAG QTZ MINOR FLKS BIOT LOWER CT SHARP 50 CA ROCK IS MG BIOTITIC NO PEBBS & DK GY FOR FIRST FOOT CN UPPER CT	45
0041.5	2.2	GNKE		ARGILLACEOUS FG MG DK GY SUGARY TEXT SCTD 5 MM SOME TO 1 CM PEBBS OF LT GY QTZ LESS THAN 3% IN A MTX OF QTZ FSP BIOT BLBS & DISS PO 1% NUMS NARROW S FAMS BLK BIOT PARALLEL TO FOTN SHRNG LOWER CT SHARP 40 CA	45
0042.5	1.0	ARG		FG MG DK GRN POSS META DIA SHTOSE BIOT AMPB FSP ROCK MINOR QTZ LOWER CT SHARP 35 CA	40
0043.5	1.0	ARK		FG GY TO DK GY UNIFORM RARE SCTD MM SCALE LT GY PEBBS OF PLAG ALTN TO SAV SSURITE IN A GY TO DK GY FG MTX OF QTZ PLAG WITH BIOT PRONOUNCED FOTN DUE TO ALIGNMENT OF BIOT LOWER CT VERY SHARP 30 CA	40
0048.9	5.4	DIA		META MG DK GY GRN UNIFORM ONLY SLLY SHTOSE MAINLY AMPB FSP MINOR QTZ BIOT ROCK SCTD QTZ CARR VEINS LOWER CT SHARP IRREGULAR 45 CA	40
0057.0	8.1	ARK		FG LT GY TO WHITE 10% MM SCALE PEBBS OF QTZ IN A FG QTZ PLAG K SPAR MTX MINOR FLKS BIOT DISS PY LESS THAN 1% ROCK SHOWS MM SCALE BNDG WITH K SPAR RICH BANDS K SPAR TO 40% POSS RHY	40

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				TUFF ALSO RARE SCTD FRAGS PLAG STRETCHED PARALLEL TO FOTN LOWER CT GRADATIONAL OVER 2 INCHES 50 CP K SPAR CONTENT DECREASES TO BOTH CONTACTS	
0059.7	2.7	ARK		AS AT 26.6 30 TO 40% UP TO 5 MM LT GY ROUNDED PEBS OF QTZ & AUGEN LIKE PEBS OF PLAG IN A DK GY MTX OF PLAG QTZ & LCLLY K SPAR RICH MTX SCTD FLKS BIOT PEBS BECOME SMALLER TOWARD BOTH CONTACTS LOWER CT SHARP IRREGULAR 45 CA	40
0061.1	1.4	ARK		FG LT GY TO WHITE SCTD MM SCALE PEBS OF QTZ & PLAG AS AT 57.0 ONLY LESS K SPAR MINOR K SPAR RICH BANDS LOWER CT SHARP 30 CA	40
0064.2	3.1	GWKE		ARGILLACEOUS MG DK GY TO BK UNIFORM SLLY SHTOSE SCTD UP TO 2 MM FRAGS OF QTZ & PLAG & A DK GRN FG ROCK IN A MTX OF BIOT AMPB QTZ FSP MINOR CHL LOWER CT SHARP 35 CA	40
0064.5	0.3	ARK		AS AT 61.1 LOWER CT SHARP 40 CA	
0065.0	0.5	GWKE		AS AT 64.2 LOWER CT SHARP 35 CA	
0071.4	6.4	ARK		FG LT GY TO WHITE PEBBLY WITH MM SCALE PEBS LT GY QTZ & WHITE PLAG IN A MTX OF QTZ PLAG & LCLLY K SPAR SCTD FLKS BIOT & DISS PY LESS THAN 1% WK FOTN LOWER CT SHARP 40 CA	40
0071.8	0.4	ARK		FG GY TO DK GY ARGILLACEOUS BIOTITIC RARE PEBS MM SCALE QTZ MAINLY PLAG QTZ BIOT MINOR CHL & DISS PY LESS THAN 1% LOWER CT SHARP 35 CA	35
0073.1	1.3	QTE		FG LT GY WITH BROWNISH TINT SERICITIC SCTD MM SCALE PEBS QTZ SHTOSE SUGARY TEXT SCTD FLKS BIOT FSPIC OVE R LAST INCH TO SHARP LOWER CT 40 CA	40
0073.5	0.4	GWKE		DK GY FG MG UNIFORM FRAGS OF QTZ & FSP ON UPPER CT 4 MM SCALE MAINLY FSP AMPB QTZ CHL LOWER CT SHARP 30 CA	
0083.1	9.6	ARK		GY MG SCTD 2 TO 3 MM ROUNDED PEB OF QTZ & PLAG STRETCHED PARALLEL TO FOTN IN A GY TO DK GY SUGARY MTX OF PLAG QTZ & RARE CM SCALE K SPAR RICH BANDS SCTD MM SCALE FLKS BIOT & RARE 2 TO 4 MM PK GARNETS SCTD IRREGULAR LT GY CM SCALE FG QTZ FSP PATCHES DISS PY LESS 1% LOWER CT SHARP 30 CA WELL DEVELOPED FOTN DUE TO ALIGNMENT OF BIOT FLKS	35
0084.0	0.9	MVVW ARG		MG DK GY GRN SHTOSE AMPB BIOT FSP QTZ LOWER CT SHARP 25 CA POSS META DIA	30
0084.6	0.6	MVVW ARK		GY TO DK GY FG UNIFORM SCTD MM SCALE FRAGS OF PLAG IN A MTX OF QTZ PLAG & BIOT FLKS LOWER CT SHARP 25 CA	30

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0086.4	1.8	MVVW	DIA	META MG DK GY GRN SLLY SHTOSE MAINL Y AMPB FSP MINOR BIOT QTZ & DISS PD LESS THAN 1% LOWER CT SHARP SCHISTOS E 40 CA	40
0092.5	6.1	MW	IF	DISS & IRREGULAR STRS OF PD PY & MAG NETITE IN AN ARGILLACEOUS DIRTY QTE MTX WITH SCTD PK MM SCALE GARNETS LCLLY CM SCALE BANDING 40 TO 50 CA WITH ALTN BANDS OF QTE AND PD WITH PY AND DK GRN FG BANDS MT AMPB & CHL 10% PD 2% PY & 10% MT OVERALL LOWER CT SHARP 40 CA MINOR ASPY 1%	45
0097.5	5.0	MVVW	DIA	MG DK GRN MASSIVE UNIFORM AMPB FSP ROCK WITH SCTD VEINS QTZ CARB LOWER CT SHARP 20 CA	
0110.8	13.3		DIA	AS AT 97.5	
0112.9	2.1	MVVW	ARK	30% UP TO 4 MM WHITE PEBS OF QTZ & FSP IN A MG FG GY TO DK GY MTX OF PLAG QTZ SCTD FLKS BIOT PEBS ARE AUGEN LIKE & STRETCHED PARALLEL TO FOTN AT 40 CA LOWER CT SHARP INTERBE DDED 40 CA	
0116.1	3.2	MVVW	GWKE	ARGILLACEOUS FG MG DK GRN SLLY SHTO SE SCTD FRCTS & VEINLETS QTZ CARB RA RE FRAGS PLAG DISS MM SCALE PK GARNE TS OVER 4 INCHES ON SHTOSE LOWER CT AT 35 CA POSS META DIA	40
0119.3	3.2	MVW	IF	BANDED IRREGULAR STRS & BANDS OF PD PY & MT ALTERNATING WITH BANDS OF MG DK GY ARGILLACEOUS QTE & FG DK GRN BANDS OF AMPB BIOT CHL 40 TO 50 CA 6% PD 2% PY 2% MT OVERALL NUMS MM SCALE PK GARNETS LGWER CT SHARP 45	45
0120.9	1.6	MVVW	QTE	MG GY UNIFORM MAINLY QTZ WITH MINOR BIOT FLKS & SCTD FLKS PY ON FRCT PLANES LOWER CT SHARP 50 CA	
0124.9	4.0	MVVW	ARG	MG DK GY BRN SHTOSE MAINLY BIOT AMP B MINOR QTZ SCH WITH 20% UP TO 5 MM WELL FORMED PORPHYROBLASTS OF PK GAR NET & SCTD UP TO 3 MM LENSES OF QTE CR PEBS OF QTZ LOWER CT SHTOSE 55 CA	45
0133.7	8.8		QTE	MG LT GY SERICITIC UNIFORM SHTOSE FAINT TRACE CM SCALE BANDING WHICH MAY REPRESENT RELIC BEDDING SCTD QTZ VEINS LOWER CT GRADATIONAL LESS THAN 20 CPS	40
0136.2	2.5		CONG	QTZ PEB 40% TO 50% UP TO 3 CM BY 1 CM IN A MG DK GY TO GY MTX OF QTZ WITH MINOR BIOT & CHL DISS PY 2% IN MTX ROCK IS FRCT & BKEN LESS THAN 20 CPS LOWER CT GRADATIONAL OVER 3 INCH ES	
0138.8	2.6		QTE	SERICITIC AS AT 133.7 SHTOSE LOWER CT SHARP 40 CA	40

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0141.9	3.1		QTE	FG MG DK GY BRN ARGILLACEOUS FG SHT 40 OSE BIOTITIC ON UPPER CT GRADUALLY BECOMING CLEANER FSPIC & SERICITIC TO SHARP LOWER CT AT 55 CA	
0147.2	5.3		DIA	META DK GRN UNIFORM SLLY SHTOSE MG AMPB FSP ROCK SCTD CM SCALE FSP EPIDOTE PATCHES LOWER CT SHARP 45 CA	
0149.2	2.0		ARK	FG LT GY TO DK GY MAINLY PLAG QTZ 40 MINOR AMPB BIOT WITH SCTD HACKY HAIR LINE FRCTS WITH MM SCALE LT GY ALTD RIMS SLLY SHTOSE LOWER CT GRADATION AL OVER 2 INCHES & MARKED BY ABUNDAN T PK GARNETS	
0161.3	12.1		ARG	FG MG DK GY BRN SHTOSE AMPB BIOT 45 FSP MINOR QTZ WITH 40% UP TO 5 MM PORPHYROBLASTS OF PK GARNET DISS PD LESS THAN 1/2 LCLLY CM SCALE BNDS WIT H DK GY SLCS BNDS LOWER CT GRADATION AL OVER 6 INCHES	
0164.6	3.3		GWKE	ARGILLACEOUS FG DK GY GRN WITH LT GY 40 FSPIC ZONES MAINLY FSP AMPB MINOR BI OT QTZ WITH SCTD PK MM SCALE GARS LOWER CT SHARP 45 CA SLLY SHRD 15 CA AT 162.0	
0170.7	6.1	MVVW	QTE	MG LT GY WITH YELLOWISH TINT SERICIT 35 IC LCLLY CM SCALE BANDING WITH DK GY ARGILLACEOUS QTE BANDS LOWER CT SHAR P 35 CA	
0173.5	2.8	MVW	ARG	HGLY SHRD 10 CA MAINLY FG DK GY TO BK QTZ BIOT AMPB WITH DISS PD BUT HGLY SHRD WITH QTZ VEINING CONTAININ G BLBS PY & ASPY AND CHL ON FRCT PLANES 10% PY PD OVERALL LOWER CT BKEN & GROUND SHEAR ZONE	
0176.9	3.4	MVVW	ARK	FG MG DK GY SCTD MM SCALE LT GY PEBS 40 OF QTZ & PLAG IN A MTX OF QTZ PLAG MINOR BIOT PEBS ARE STRETCHED AUGEN LIKE IN A SUGARY MTX FOTN 40 CA LOWER CT GRADUAL OVER 3 INCHES & MAR KED BY SUDDEN INCREASE IN SIZE & % OF PEBS	
0189.0	12.1		ARK	PEBBLY 35% 5 MM SCALE ROUNDED QTZ 40 PEBS & STRETCHED AUGEN LIKE PLAG PEBS IN A FG MG DK GY SUGARY MTX OF QTZ PLAG MINOR K SPAR & FLKS BIOT DISS PY LESS THAN 1/2 LCLLY FINER GRA INED 4 INCH LENSES WITH SHARP 40 CTS PEBS STRETCHED PARALLEL TO FOTN AT 40 TO 45 CA GRADUALLY BECOMES FINER GRAINED LIGHTER COLOUR SHRD & SERICI TIC WITH ONLY QTZ PEBS RETAINING THE IR FORM TOWARD GRADATIONAL LOWER CT	
0197.0	8.0		ARK	SERICITIC 2 TO 3 MM QTZ PEBS IN A FG 40 MG LT GY WITH BRN TINT SUGARY MTX OF	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				QTZ PLAG SERICITE ROCK HAS BEEN SHRD WITH SERICITE ON SHR PLANES LOWER CT GRADATIONAL OVER 3 INCHES & MARKED BY APPEARANCE OF UP TO 5 MM PEBS OF PLAG & QTZ IN A DK GY MTX	
0200.1	3.1	ARK		AS AT 189.0 LOWER CT SHARP 40 CA	45
0200.8	0.7	ARK		AS AT 176.9 LOWER CT SHARP 35 CA	35
0220.3	19.5	ARG		MG DK GY BRN SCHTOSE & MM SCALE BAND ING 40 TO 45 CA 30% UP TO 1 CM BUT MAINLY 5 MM PINK GARNETS IN A BIOT QTZ MINOR FSP AMPB SCHTOSE MTX SCTD 5 MM PATCHES EPIDOTE LOCAL 4 INCH BANDS FSPIC QTE WITH GARNET & BIOT DISS PD PY LESS THAN 1% LOWER CT SHARP 45 CA	45
0220.9	0.6	DIA		META MG DK GRN SCHTOSE & CM SCALE BANDING WITH QTZ VEINS & BLBS MAINLY AMPB FSP ROCK WITH MINOR BIOT & DISS PY LESS THAN 1% LOWER CT SHARP 50 CA	
0224.3	3.4	ARK		PEBBLY LT GY MG 40% UP TO 5 MM ROUND ED QTZ PEBS & HGLY STRETCHED PLAG PEBS WHICH APPEAR AS BANDS IN A SUGARY MTX OF QTZ PLAG BIOT DISS PY LESS THAN 1% LOWER CT SHARP 50 CA	45
0227.7	3.4	ARK		MG SUGARY GY MM TO CM SCALE BANDING FG QTZ & PLAG WITH MG FLKS BIOT LOWER CT SHARP 48 CA SCTD VEINS QTZ	45
0258.7	31.0	DIA		META FG MG DK GRN SLLY SCHTOSE MAINLY AMPB FSP MINOR FLKS BIOT & SCTD BLBS & VNS OF QTZ DISS PD LESS THAN 1% LCLLY FG & SCHTOSE REGULAR HAIRLINE FRCT PATTERN 25 CA & 80 TO FOTN LOWER CT INDISTINCT SCHTOSE	40
0267.2	8.5	ARG		MG DK GY BRN SCHTOSE & MM SCALE BAND ING QTZ BIOT AMPB FSP ROCK WITH 15% 2 TO 4 MM PK GARNETS DISS PY LESS THAN 1% LOWER CT GRADATIONAL TO QTE	45
0271.7	4.5	QTE		MG DK GY LCLLY ARGILLACEOUS MAINLY QTZ WITH FLKS BIOT TRACE DISS PY HACKY FRACTURES OVER LAST FT TO SHARP LOWER CT	
0273.7	2.0	VEIN		QTZ LT GY TO WHITE FRCT & BKEN WITH CHL ON FRCT PLANES SCTD NEEDLES BK AMPB & INCLS OF DIRTY QTE LOWER CT SHARP WITH AMPB & PK GARNET AT 55 CA SCTD BLBS PY LESS THAN 1%	
0298.0	24.3	ARK		20 TO 40% UP TO 5 TO 6 MM SUBROUNDED & SUBANGULAR QTZ & PLAG IN A FG SUGARY OF GY MTX OF QTZ PLAG LCLLY WITH K SPAR & BIOT FLKS THROUGHOUT THE & SIZE OF FRAG DECREASE DOWNHOLE & FOTN BECOMES MORE APPARENT AS PEBS ARE STRETCHED 40 CA LOWER CT SHARP 20 CA TOPS TO SOUTH K SPAR MORE APPARENT WHERE ROCK IS FINER GRAINED DOW	40

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0304.3	6.3	ARK	NHOLE FG DK GY ARGILLACEOUS QTZ PLAG K SPA R WITH SCTD FLKS BIOT & PK GARNETS DISS MM SCALE CUBES PY 1% LOWER CT	35	
0309.4	5.1	QTE	GRADATIONAL AS ROCK BECOMES MORE QUARTZOSE SLLY SCHTOSE FOTN MORE PRO NOUNCED UPON STAINING ARGILLACEOUS DIRTY GY MG SLLY SCHTOS E MAINLY QTZ WITH BIOT SOME CHL ARE SCTD PK GARNETS AND BK AMPB SCTD BLBS PD PY LESS THAN 1% LOWER CT SHA RP BRKN IRREGULAR 55 CA SCTD FRCTS WITH FSP VAGUE HINT OF CM SCALE PEBS WHERE QTE IS MOST BIOTITIC	40	
0311.4	2.0	DIA	META FG MG DK GRN SLLY SCHTOSE SCTD STRS & BLBS QTZ FSP POSS META BSLT MAINLY AMPB FSP ROCK LCWER CT SHARP 35 CA	40	
0312.9	1.5	QTE	DIRTY IMPURE ARGILLACEOUS WK 5 MM SCALE BANDING 30 TO 40 CA MAINLY MG DK GY QTZ BIOT AMPB MINOR DISS PY LE SS THAN 1% LOWER CK BRKN GRND INDIST INCT	35	
0426.1	113.2	BSLT	POSS ANDS FG LCLLY MG GRN LCLLY GRE YISH MAINLY STUBBY TO ACCICULAR AMPB WITH FSP LCLLY 8 INCH TO 16 INCH PAT CHES WITH INDISTINCT CTS OF DCT COMP OSITION NUMS IRREGULAR FRCTS OF QTZ FSP EPID FROM 375 DOWN ROCK BECOMES SHRD & CHLC WITH CHL ON FRCT PLANES ONLY SLLY SCHTOSE LOWER CT SHARP 50 CA	40	
0434.0	7.9	RHYD	DCT TUFF MG FG LT GY FRCT & BXTD MM SCALE FRAGS OF QTZ & PLAG IN A FG MTX OF QTZ PLAG K SPAR BIOT & SOM E CHL FOTN 40 CA POSS ARK()SCTD CM SCALE QTZ VEINS STAINING SHOWS SLIGH T MM SCALE BANDING LOWER CT BRKN & GROUND	40	
0445.0	11.0	BSLT	MG DK GRN CHLC FRCT & BXTD WITH CHL ON FRCT PLANES UNIFORM SLLY SCHTOSE MAINLY STUBBY FIBEROUS AMPB WITH FSP LOWER CT BRKN & GROUND	40	
0448.0	3.0	DCT	TUFF SCTD MM SCALE FRAGS PLAG WITH RARE QTZ IN A FG SUGARY MM SCALE BAN DING MTX OF QTZ PLAG K SPAR MINOR CHL & AMPB ROCK IS FRCT WITH CHL ON FRACTURE PLANES LOWER CT GRADATIONAL INDISTINCT & SCHTOSE	40	
0457.9	9.9	RHYD	DCT TUFF XTL & FRAGMENTAL SIMILAR TO AT 434.0 2 TO 3 MM FRAGS OF QTZ & PLAG IN A V FG FT GY MTX OF QTZ PLAG K SPAR ROCK IS SHRD & BXTD WHIC H OBSCURES THE TEXT IN MANY PLACES CHL ON FRCT PLANES SCTD VEINS QTZ	40	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0463.0	5.1	BSLT	FSP EPID LOWER CT SHARP 45 CA AS AT 445.0 POSS META DIA FRCT & SHRD WITH QTZ FSP EPID LOWER CT SHAR P 45 CA		
0472.0	9.0	RHYD	DCT TUFF V FG MM SCALE BANDING LT GY GREENISH SCTD MM SCALE FRAGS CF QTZ IN A MTX OF QTZ PLAG K SPAR VERY FINE BANDING WITH BANDS QTZ & FSP LOWER CT SHARP BRKN & GROUND SLLY MICAEOUS	45	
0531.8	59.8	ANDS	INTERMEDIATE TO BASIC VOLC FG MG DK GRN UNIFORM HGLY BXTD & FRCT MAINLY AMPB FSP CHL WITH CHL CN FRCT PLANES NUMS VEINLETS & FRCT FILLING WITH QT Z CARB FSP & EPID ALTN ROCK BECOMES MORE SHRD & ALTD WITH BLBS QTZ TOWAR LOWER CT WHICH MAY REPRESENT A FLOW TOP BXIA LOWER CT BRKN & GROUND		
0551.6	19.8	RHY	FG LT GY BXTD & SHRD LITTLE REMAINS OF ORIG TEXT MAINLY PLAG & K SPAR MINOR QTZ CHL & BIOT ON FRCT PLANES LOWER CT SHARP IRREGULAR BXTD 40 TO 50% K SPAR		
0596.0	44.4	ANDS	AS AT 531.8 LOWER CT SHARP		
0597.2	1.2	PRPH	DIORITE DIKE MG CG WHITE MASSIVE SLL Y FG TO BOTH SHARP CTS EUHEDRAL LATH S PLAG 60% IN A GREENISH GY MTX K SP AR MINOR QTZ		
0600.1	2.9	BSLT	META FG MG DK GRN MASSIVE HACKY FRCT AMPB FSP SOME CHL ROCK SLLY FRCT WIT H QTZ CARB VEINING LOWER CT SHARP BRKN & GROUND		
0601.6	1.5	PRPH	DIORITE DIKE BOTH CTS SHARP & CHILLE D AS AT 597.2		
0609.7	8.1	BSLT	META FG MG DK GRN MAINLY FIBEROUS AM PB WITH MINOR FSP HGLY FRCT & SHRD WITH EPID CARB & QTZ ON FRCT PLANES GIVING THE ROCK A FISH NET APPEARANC E LOWER CT SHARP SHTOSE 45 CA POSS META DIA 1% DISS PY		
0610.0	0.3	RHYD	DCT TUFF FG LT GY 0.5 MM SCALE BAND ING ALTN THIN BANDS OF QTZ WITH BAND S K SPAR & PLAG 35% K SPAR OVERALL LOWER CT SHARP & MARKED BY 1 INCH QT Z VEIN	50	
0611.2	1.2	BSLT	AS AT 609.7		
0615.3	4.1	RHYD	DCT TUFF AS AT 610.0 LOWER CT GRADA TIONAL SHTOSE 50 CA	50	
0620.9	5.6	TUFF	ANDS TO DCT IN COMPOSITION ROCK IS BKEN & SHRD GY TD GRN FG MG MAINLY ANDS WITH SCTD 4 INCH GY DCT BANDS CHL ON FRCT PLANES SCTD QTZ CARB VEINS LOWER CT SHTOSE 50 CA		
0637.0	16.1	DIO	META POSS META ANDS MG GRN MASSIVE UNIFORM HGLY FRCT SHRD & ALTD LCLLY	35	

DEPTH LENGTH MNZN ROCK

DESCRIPTION

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DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				DISS PY 2 TO 3% LESS THAN 1% OVERALL MAINLY AMP FSP CHL-EPID HAIRLINE FRC T FALLING&VEINLETS QTZ CARB FSP SOME SERP()LOWER CT BRKN SHRD SHARP AMPB HAS A FIBEROUS ACCICULAR HABIT LCLLY CUT BY SCTD 4 INCH DIKES AS AT 597.2 LCLLY WK FOTN 35 CA	
0646.2	9.2	QTE		ARGILLACEOUS FG MG DK GY DK GY & GRE ENISH WHERE MORE ARGILLACEOUS SLLY FSPIC LCLLY CM SCALE BANDING MAINLY QTZ EQUIGRANULAR WITH FSPIC CEMENT LCLLY BIOTITIC AMPB & DISS PY IN ARG ILLACEOUS ZONES LOWER CT SHARP 50 CA LESS THAN 20 CPS FPCT & SHRD WITH CHL ON FRCT PLANES LESS THAN 1 % SULPS	45
0647.0	0.8	DIKE		LT GY WHITE FG MAINLY PLAG K SPAR MINOR QTZ & FLKS BIOT MASSIVE SHARP CTS	
0651.0	4.0	DIA		META MAFIC DIKE MASSIVE UNIFORM MG GRN MAINLY AMPB FSP ROCK FIBEROUS TEXT LOWER CT SHARP CROSS CUTTING 25 CA CHL ON FRCT PLANES MM SCALE VEINLETS OF QTZ	
0655.6	4.6	GWKE		MG FG DK GY GRN SLLY SCHTY MAINLY AMPB QTZ FSP FRCT & BXTD WITH QTZ VEINING ROCK IS BXTD & SHRD ON LOWER CT	55
0662.3	6.7	ARK		LT GY TO WHITE MM SCALE BANDING MORE APPARENT BY STAINING UP TO 2 MM PEBS OF QTZ IN A FG SUGARY MTX OF QTZ PLA G & K SPAR FRCT WITH CHL SOME PY ON FRCT PLANES LOWER CT BRKN & GROUND	50
0671.1	8.8	DIA		META DK GY GRN UNIFORM SLLY SCHTY MAINLY AMPB FSP ROCK LOWER CT SHARP WITH SOME INCLS OF ARK FROM NEXT UNIT LCLLY SHRD WITH FSP EPID CHL	55
0689.0	17.9	ARK		GY TO LT GY WHITE FG MG 2 TO 3 MM PEBS OF QTZ IN A MTX OF QTZ PLAG MIN OR K SPAR CM SCALE BANDING SCTD BIOT FLKS FRCT & SHRD WITH CHL SOME PY ON FRCT PLANES SIMILAR TO 662.3 LOWER CT GRADATIONAL AS UNIT GRADES TO QTE LESS THAN 20 CPS	55
0692.6	3.6	QTE		GY MG UNIFORM ESSENTIALLY CLEAN EQUI GRANULAR QTZ FRCT WITH CHL & BIOT ON FRCT PLANES LOWER CT GRADATIONAL AS UNIT BECOMES ARKOSIC & SERICITIC	
0733.4	40.8	QTE		FSPIC & SERICITIC CM SCALE BANDING SCHTOSE FG MG LT GY MAINLY QTZ WITH PLAG & SERICITE RARE MM SCALE QTZ PEB SCTD FLKS BIOT LOWER CT BRKN & GROUND LESS THAN 20 CPS	65
0736.3	2.9	ARG		FG MG DK GY BRN UNIFGRM SLLY SCHTY MAINLY QTZ PLAG BIOT AMPB WITH SCTD	60

DEPTH LENGTH MNZN ROCK

DESCRIPTION

ANG

0750.0 13.7

ARK

PK GARNETS LOWER CT GRADATIONAL AS
IT GRADES TO ARK DOWNHOLE LESS THAN
20 CPS

GY TO LT GY FG MG MAINLY QTZ PLAG 70

TRACE K SPAR WITH FLKS BIOT & ACCICU
LAR AMPB UNIT GRADUALLY BECOMES CLEA
NER DOWNHOLE WITH DISAPPEARANCE OF
AMPB & BIOT MM TO CM SCALE BANDING
OVER FIRST 5 FT ROCK & BXTD & SHRD
WITH CHL ON FRCT PLANES
FOOT OF HOLE ALL CSG PULLED

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE
54415-0 SAKAMI PROJECT 33F2W 00500 18000 -45 00 54415 OSAKAMI DATE.....

INCLINATION AND TROPARI TESTS
DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP

04 415 OS AKA MI PRO JEC T 3 3F2W 0 05 00 18 000 -4

COMMENTS
LOGGED BY.. PROJECT 3 STARTED.. 2W,19 COMPLETED..W (,19 0
544670MATAGAMI 0000032L2W003016E004020150036000-5500
N000490E000800C DUNCAN 061475062175CUNIZN PM
C110 -52300300 -3800 02
DRILLED BY CANICO L-24 WALL & OLSON ON LIC NO 342170 CL 1 500
FEET EAST AND 600 FEET SOUTH OF POST 4 30 FT AW CASING AND SHOE
LOST IN HOLE JEREMIE TWP

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0090.0	90.0			BW CASING CLAY TO 85 BOULDERS AND COARSE GRAVEL TO 96 WATER BEARING	
0098.0	8.0			AW CASING LEDGE AT 96	
0104.0	6.0			EW CASING START OF CORE	
0137.6	33.6		TUFF	-RHYOLITE FG OCCASIONAL LEACHED CARBONATE STREAK LT GREY COLOR	50
0142.5	4.9		TUFF	AGGLOMERATE DARKER MATRIX WITH LT GREY CLASTS	50
0169.6	27.1		RHYO	LITE LT GREY FG	50
0208.5	38.9		TUFF	DARK-GREY OCCASIONAL CARBONATE FILLED FRACTURE SCATTERED SPECKS OF PYRITE	45
0213.5	5.0	MVVW	TUFF	AS PREV ENTRY	
0218.5	5.0	MW	TUFF	QTZ WITH 25% PYRITE THE PYRITE APPEARS TO BE OF 2 VARIETIES ONE VARIETY IS DARK AND FOLLOWS THE BANDING AND HAS GRAPHITE WITHIN BANDS THE OTHER VARIETY IS FRAMBOIDAL AND IS BRASSY YELLOW IN COLOR WITH FRAMBOIDS TO 3/8 INCH DIA	45
0224.1	5.6	MW	TUFF	AS PREV ENTRY	
0228.1	4.0	MW	TUFF	QTZ 1-2 % DISS PY	55
0229.2	1.1	MW	TUFF	AS AT 218.5	
0236.2	7.0	MVVW	TUFF	QTZ RARE SPECK PYRITE	55
0237.1	0.9	MW	TUFF	AS AT 218.5	
0242.7	5.6	MVVW	TUFF	AS AT 236.2	
0248.4	5.7	MW	TUFF	BLACK GRAPHITIC 20-25% PYRITE ALL PYRITE HAS A FINE QTZ RIM PYRITE IS IN BANDS AND IN FRAMBOIDS. PYRITE HAS DULL BRASS COLOR	
0255.2	6.8	MVVW	SEDS	ARGILLITE GRAPHITIC RARE SPECKS PY	
0256.0	0.8	MS	SULP	PYRITE FEW THREADS GRAPHITE	
0257.5	1.5	MW	SEDS	ARGILLITE BLACK GRAPHITIC 15% PY	60
0266.8	9.3	MW	SEDS	ARGILLITE BLACK 5% PYRITE	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0267.3	0.5	MW	SEDS	AS AT 257.5	
0270.1	2.8	MVW	SEDS	AS AT 266.8	
0273.0	2.9	MW	SEDS	20% PYRITE GRAPHITIC	
0281.1	8.1	MVW	SEDS	AS AT 266.8	
0286.7	5.6	MW	SEDS	20% PYRITE GRAPHITIC	
0289.7	3.0	MVW	SEDS	ARGILLITE GRAPHITIC 4-5% PYRITE	65
0294.6	4.9	MW	SEDS	20% PYRITE GRAPHITIC	
0304.6	10.0	HVW	TUFF	QTZ WITH 3-4% PYRITE DISSEMINATED	
0310.6	6.0	MVW	TUFF	AS PREV ENTRY	
0314.4	3.8	MW	TUFF	BLACK GRAPHITIC 15% PYRITE	
0317.8	3.4	MVW	TUFF	AS AT 310.6	
0318.7	0.9	MW	TUFF	AS AT 314.4	
0321.0	2.3	MVW	TUFF	BLACK GRAPHITIC 8% PYRITE DISS AND OCCASIONAL BAND	65
0325.9	4.9	MW	TUFF	BLACK GRAPHITIC 20% PYRITE	
0330.9	5.0	MVVW	TUFF	QTZ GREY FG OCCASIONAL X-CUTTING QTZ-CARB STREAK	65
0348.9	18.0		TUFF	AS PREV ENTRY- RHYOLITIC	
0353.9	5.0	MVVW	TUFF	AS PREV ENTRY	
0354.2	0.3	MS	SULP	PYRITE BANDED	60
0367.8	13.6	MVVW	TUFF	AS AT 330.9	
0369.1	1.3	MS	SULP	PYRITE BANDED CONTACTS SHARP AT SLIGHTLY GRAPHITIC FOR LAST INCH OF ENTRY	60
0374.1	5.0	MVVW	TUFF	QTZ RHYOLITIC	60
0402.0	27.9		TUFF	QTZ RHYOLITIC FOOT OF HOLE	60

BOREHOLE RECORD

DATE PROCESSED APR 04, 1975

BOREHOLE# 54416-0 PROPERTY SAKAMI PROJECT NTS# 33F2W SH# ANOM# DEPTH 01499 AZIMUTH 350 00 BEARING 360 00 DIP -45 00 GRID ELEVATION 5003400 LATITUDE W006000 DEPARTURE DATE.....

LOGGED BY...A M GALLOP STARTED...JAN 25, 1975 COMPLETED...FEB 16, 1975

INCLINATION AND TROPICAL TESTS
 DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -39 00 0400 -29 30 0600 -21 30 0800 -16 30
 1000 -15 00 1490 -13 45

COMMENTS

DRLD BRAD BROS WIRELINE AQ CORE ZONE 3 & 4 PER 547 WATER FROM LAKE 2500 FT 36 FT OF NW CSG & SHOE LOST IN HOLE ALL AW CSG RECOVERED

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0				COLLAR	
0056.0	56.0				OD CLAY THEN SAND & BLDRS NW CSG TO 52.0 AW CSG TO 54.0 SOC AT 56.0	
0124.0	68.0		ARG		MG TO CG DK GY TO BLACK SCHTOSE & CM 40 SCALE BANDING MAINLY MG SUGARY QTZ BIOT WITH MINOR AMPB & SCTD UP TO 3 MM PK GARNETS ALTN QTZ RICH & BIOT RICH BANDS FOTN VARIES 40 TO 45 CA RARE DISS PY LESS THAN 1% LOWER CT V ERY GRADATIONAL A META ARG SANDSTONE	
0130.5	6.5		QTE		ARGILLACEOUS CM SCALE BANDING SLLY SCHTY DK GY TO GREENISH MG MAINLY QTZ WITH AMPB MINOR BIOT FSP BANDING DUE TO LT GY QTZ RICH BNDS IN A MTX OF QTZ AMPB MINOR BIOT FSP POSS THES E BNADS & BLBS ARE QTZ PERH (Q) PROB NOT LCLLY QTZ VEINING LESS THAN 20 CPS	38
0131.6	1.1		VEIN		QTZ MASSIVE WHITE UNIFORM BOTH CTS SHARP & CROSS CUTTING	
0133.0	1.4		ARG		AS AT 124.0	30
0133.7	0.7		VEIN		QTZ AS AT 131.6	
0142.0	8.3		DIA		META FG MG DK GRN UNIFORM SCHTOSE MAINLY AMPB WITH FSP & SCTD BIOT THROUGHTOUT LOWER CT SHARP SCHTOSE BIOT ITIC AT 43 CA POSS META GWKE MINDR CHL	45
0169.8	27.8		ARG		AS AT 124.0 LCLLY CUT BY 1 TO 3 INCH MASSIVE WHITE QTZ VEINS FOTN VARIES 40 TO 45 CA LCLLY WITH AUGEN LIKE QTZ BANDS IN A BIOT RICK MTX	
0173.6	3.8		QTE		IMPURE ARGILLACEOUS 5 MM SCALE BANDI NG MAINLY QTZ WITH BIOT FLKS FOTN VARIES 40 TO 50 CA MINOR DISS PY LESS THAN 1% BOTH CTS GRADATIONAL LESS TH AN 20 CPS	45

DEPTH	LEN	SAMPLE#	MIN	ROCK	DESCRIPTION	ANG
0196.1	22.5			ARG	AS AT 124.0 SLIGHT INCREASE IN AMPB CONTENT LOWER CT VERY SHARP 50 CA	45
0208.0	11.9			DIA	DIKE FG MG DK GRN UNIFORM SLLY SCHED SE AMPB FSP ROCK UPPER CT SHARP CLEA N LOWER CT SCHED BIOTITIC WITH QTZ FSP VEINING & ALTN MAKING CT INDISTI NCT MINOR VEINLETS QTZ CARB	45
0211.8	3.8			ARG	META FG MG DK GY GRN SCHED WK CM SCALE BANDING MAINLY QTZ BIOT AMPB WITH SCHED MM SCALE PK GARNETS MINOR FSP LOWER CT SHARP 50 CA	45
0213.0	1.2			DIA	AS AT 208.0 FG DK GRN UNIFORM BOTH CTS SHARP LOWER AT 55 CA	50
0215.1	2.1			ARG	AS AT 124.0	
0216.3	1.2			QTE	ARGILLACEOUS FG MG DK GY 5 MM SCALE BANDING MAINLY SUGARY QTZ WITH MINOR AMPB & BIOT BOTH CTS GRADATIONAL	50
0244.8	28.5			ARG	RARE SCHED & ISOLATED UP TO 3 CM BY 1 CM QTZ PEBS IN AN ARGILLITE MTX OF FG MG DK GY SUGARY QTZ BIOT AMPB WIT H SCHED PK GARNETS MM SCALE SCHED 2 TO 3 INCH MASSIVE WHITE QTZ VEINS SCHED SE WITH CM SCALE BANDING LCLLY ROCK IS UNIFORM DK GY BRN BIOT QTZ AMPB LOWER CT SHARP 50 CA UNIT IS SIMILAR TO AT 124.0 EXCEPT DEFINITE ISOLATED QTZ PEBS 2X LESS THAN 20 CPS	45
0269.0	25.0			ARG	FG MG DK GY GRN UNIFORM SCHED MAIN LY AMPB FSP BIOT MINOR QTZ LCLLY CUT BY 6 TO 8 INCH FG QTZ FSP DIKES POSS A FG META DIA	60
0274.6	4.8			DIA	FG GRN TO DK GRN SLLY SCHED UNIFOR M ESSENTIALLY FIBEROUS AMPB & CHL LOWER CT GRADATIONAL UNIT PROB A FG CHILL ZONE OF NEXT UNIT DOWNHOLE POSS A FG META MAFIC SILTSTONE	
0283.5	8.9			DIA	META MASSIVE UNIFORM MG DK GRN LCLLY DIABASIC TEXT AMPB FSP ROCK LOWER CT SHARP 60 CA SCHED QTZ VEINS	
0288.1	4.6			DIKE	MG TO CG QTZ PLAG MINOR MUSCOVITE BIOT & AMPB MASSIVE LY GY TO WHITE BOTH CTS SHARP ROCK IS SLLY FRCT & SHRD WITH CHL & BIOT ON FRCT PLANES	
0292.1	4.0			ARG	MG DK GY TO GRN SLLY SCHED ROCK IS MAINLY CG FIBEROUS AMPB BIOT FSP & MINOR QTZ WITH CLEARLY DEFINED & ISOL ATED QTZ PEBS FOR 2 FT FROM UPPER CT ONLY 4 OR 5 PEBS UP TO 3 CM BY 1 CM STRETCHED PARALLEL TO FOTN LOWER CT SHARP 55 CA	60
0292.7	0.6			QTE	SERICITIC LT GY TO WHITE SCHED FG MG UNIFORM MAINLY QTZ WITH SERICI YE LOWER CT SHARP 60 CA	55
0294.9	2.2			DIA	MG DK GRN UNIFORM SLLY SCHED MAINL Y AMPB FSP BOTH CTS SHARP BIOTITIC	60

DEPTH	LEN	SAMPLE#	MIN. ROCK	DESCRIPTION	ANG
0305.1	10.2		GWKE	SCTD VEINS QTZ FG MG GY TO DK GY SCHTOSE WK CM SCAL 50. E BANDING MAINLY PLAG WITH NEEDLES AMPB FLKS BIOT & MINOR QTZ CHL	
0308.0	2.9		ARG	LOWER CT SHAR P SCHTOSE 55 CA SCTD VEINLETS QTZ QUARTZOSE DK GY MG PEBBLY WITH SCTD 50 & CLEARLY DISTINCT QTZ PEBBS 5% UP TO 25 MM BY 8 MM IN AN ARGILLITE MTX OF AMPB QTZ BIOT & MINOR FSP CHL MTX HA S GRN TINT PEBBS OVER FIRST FOOT & DI SAPPEAR DOWNHOLE SCHTOSE & PEBBS STRE TCHED PARALLEL TO FOTN 50 CA LESS TH AN 20 CPS LOWER CT SHARP 50 CA	
0309.5	1.5		IF	FG 2 TO 3 MM SCALE BANDING WITH ALTE 55 RNATING LT GY SLCS BANDS & DK GY GRN BLACK MAGNETITE RICH BANDS OF AMPB CHL QTZ LOWER CT GRADATIONAL 10% MT AS ABOVE ONLY BECOMING BIOTITIC WITH 55 ABUNDANT MM SCALE PK GARNETS BANDING LESS CONSPICIOUS LOWER CT GRADATIONA L GARNETS TO 20%	
0311.8	0.8		IF	AS ABOVE GRADUAL APPEARANCE OF UP TO 55 10% DISS & STRS OF PY SLLY COARSER GRAINED WITH AMPB LOWER CT SHARP 55 CA	
0319.1	7.3		QTE	FG MG GY TO DK GY SERICITIC & ARGILL 55 ACEOUS CM SCALE BANDING 50 TO 55 CA MAINLY QTZ AMPB BIOT & SERICITE WITH RARE SCTD UP TO 3 CM BY 5 MM HGLY STRETCHED QTZ PEBBS	
0325.3	6.2		ARG	MG GY TO GRN FIBEROUS TEXT MG TO CG 55 AMPB BIOT WITH 15% MM SCALE PK GARNE TS OVER 2 FT FROM UPPER CT GRADING TO A MG GY GRN MAINLY AMPB WITH CHL. QUARTZ & MINOR FSP THROUGHOUT LOWER CT SHARP 55 CA SCHTOSE THROUGHOUT 1 ISOLATED QTZ PEB 25 MM BY 8 MM	
0332.5	7.2		DIA	MG DK GRN MASSIVE MAINLY STUBBY EUHE DRAL AMPB WITH PLAG ROCK BECOMES GRA DUALLY FINER GRAINED TOWARD UPPER CT 3 INCH DK BRN INCLUSION OF FG ARG AT 326.3 COARSE GRAINED WITH EPIDOTE ALTERNATION AT 50 CA	
0348.3	15.8		QTE	FG MG GY TO DK GY FREQUENT CM SCALE 50 BANDING LCLLY ARGILLACEOUS MAINLY SUGARY QTZ WITH MINOR BIOT AMPB SCTD FRCTS WITH CHL LCLLY LT GY & SERICIT IC & SCHTOSE FOTH VARIES 40 TO 55 CA POSS SCTD VAGUE QTZ PEBBS LOWER CT GRADATIONAL	
0352.8	4.5		QTE	CLEAN LT GY TO WHITE MAINLY FG MG SU 50 GARY QTZ WITH MINOR SERICITE RARE SC TO 4 INCH ZONES WITH MINOR BIOT SCTD FRCTS WITH CHL LOWER CT SHARP 50 CA	

DEPTH	LENGTH	SAMPLE#	MAIN ROCK	DESCRIPTION	ANG
0360.4	7.6		QTE	WK FOTN 50 CA ARGILLACEOUS DK GY MG CM SCALE BANDI NG GREENISH TINT DUE TO AMPB MAINLY QTZ AMPB MINOR BIOT SERICITE BANDING DUE TO LT GY CLEAN QTE BANDS LOWER CT SHARP 55 CA	50
0363.5	3.1		QTE	CLEAN LT GY WHITE AS AT 352.8	
0365.1	1.6		QTE	AS AT 360.4	50
0374.9	9.8		QTE	CLEAN AS AT 352.8 CUT BY SCTD 6 INCH MASSIVE WHITE QTZ VEINS LOWER CT GRA DATIONAL OVER 3 INCHES	
0379.0	4.1		QTE	AS AT 360.4 POSS VAGUE QTZ PEBS LOWE 60 R CT SHARP & INTERBEDDED 60 CA CUT BY 6 INCH MASSIVE WHITE QTZ VEIN AT 375.7	
0384.2	5.2		ARG	DK GY GRN MG TO CG FIBEROUS SHTOSE	50
0395.6	11.4		QTE	TEXT MAINLY AMPB CHL & QTZ MUCH OF QTZ AS MM SCALE GRAINS ROCK IS UNIFO RM LOWER CT GRADATIONAL & BANDED ARGILLACEOUS DK GY GRN MG REGULAR CM 70 SCALE BANDING THROUGHOUT POSS SCTD VAGUE QTZ PEBS MAINLY ALTERNATING QTZ RICH BANDS AND ARGILLACEOUS BAND S OF QTZ AMPB CHL BIOT MINOR FSP CUT BY 6 TO 8 INCH MASSIVE WHITE QTZ VEINS LOWER CT SHARP CROSS CUTTING 65 CA	
0399.8	4.2		DIA	MASSIVE UNIFORM MG DK GRN AMPB FSP ROCK SCTD QTZ CARB VEINLETS BOTH CTS SHARP & CROSSCUTTING LOWER AT 75 CA	
0402.5	2.7		QTE	MG SUGARY LT GY TO WHITE SHTOSE SER 65 ICITIC FRACTURED WITH CHL & BIOT ON FRCT PLANES MAINLY QTZ WITH SERICITE CUT BY 4 INCH MASSIVE WHITE QTZ VEIN LOWER CT SHARP 65 CA QTE BECOMES DK GY SLLY ARGILLACEOUS OVER LAST 4 INC HES	
0417.2	14.7		ARG	MG DK GY BRN SHTOSE MAINLY QTZ AMPB 55 BIOT FSP LCLLY GRN WITH AMPB FSP MM SCALE BANDING FOTN VARIES 50 TO 65 CA LOWER CT GRADATIONAL	
0438.9	21.7		ARG	AS ABOVE MORE BIOTITIC WELL DEVELOPE 55 D CM SCALE BANDING 55 TO 60 CA WITH LT GY QTE BANDS RARE ISOLATED QTZ PE BS 3 TO 2 CM BY 6 TO 8 MM LCLLY SERI CITIC & CHLC MINOR CM SCALE QTZ VEINING LOWER CT GRADATIONAL	
0452.3	13.4		ARG	QUARTZOSE AS AT 417.2 LOWER CT SHARP 55 55 CA	
0466.7	14.4		DIA	MG DK GRN UNIFORM MASSIVE SLLY FINER GRAINED TOWARD BOTH CTS STUBBY GRN AMPB WITH FSP TRACE BIOT FLKS LCLLY DIABASIC TEXT SCTD STRS & VEINS QTZ CARB LOWER CT SHARP 60 CA	
0477.2	10.5		QTE	ARGILLACEOUS GY TO DK GY LCLLY CM SC 55	

DEPTH	Dist.	SAMPLE#	MIN.	ROCK	DESCRIPTION	ANG
					ALE BANDS LT GY SERICITIC QTE AT 55 TO 60 CA MINOR QTZ VEINING MAINLY QTZ BIOT TRACE AMPB FSP LOWER CT SHARP & CROSS CUT BY DIKE AT 20 TO 30 CA LESS THAN 20 CPS	
0480.4	3.2			DIA	FG MG DK GRN UNIFORM SLLY SCHTY MAIN LY AMPB PLAG MINOR BIOT BOTH CTS SHARP & FINE GRAIN LOWER CT AT 65 CA ROCK IS BIOTITIC & CHLC ON LOWER CT SCTD WEINLETS OF QTZ CARB	
0482.8	2.4			ARK	FG MG GY SCHTOSE WITH MM SCALE BANDI NG MAINLY PLAG QTZ BIOT FLKS & MINOR AMPB UNIFORM SUGARY TEXT LOWER CT SHARP 60 CA	
0496.3	13.5			DIA	META MASSIVE FG MG DK GRN UNIFORM MAINLY AMPB PLAG SCTD FRCTS WITH QTZ CARB MINOR DISS PY IN FRCTS LESS THAN 1/4 BOTH CTS SHARP CROSS CUTTING FG TOWARD UPPER CT BECOMES BROWNISH BIOTITIC WITH SCTD MM SCALE AMPBS OVER 1.5 FT TOWARD LOWER CT AT 45 CA	
0549.5	53.2			QTE	FG MG GY TO DK GY SCHTOSE & BANDED 45 TO 55 CA MAINLY QTZ BIOT AMPB LCL LY CM SCALE LT GY SERICITIC BANDS RARE SCTD ISOLATED 2 MM SCALE PEBS & FRAGS OF LT GY QTZ & PLAG UNIFORM LOWER CT SHARP 55 CA LCLLY FSPIC	50
0550.8	1.3			VEIN	MASSIVE LT GY WHITE QTZ FSP MINOR AMPB ROCK IS CG PEGMATITIC BOTH CTS SHARP	
0616.0	65.2			QTE	AS AT 549.5 ONLY GRADUALLY BECOMING CLEARER MORE PRONOUNCED BANDING MORE SERICITE LESS BIOT A MICAEOUS QTZ SANDSTONE LOWER CT VERY GRADATIO	55
0631.4	15.4			QTE	NAL SERICITIC SCH FG MG LT GY WITH YELLO W TINT GRADATIONAL FROM ABOVE VERY SERICITIC SCTC MASSIVE 3 INCH WHITE QTZ VEINS LOWER CT SHARP 60 CA	50
0651.8	20.4			DIA	MG TO CG DK GRN UNIFORM MASSIVE BECO MES FINER GRAINED TOWARD BOTH SHARP CTS CHILLED LOWER CT SHARP IRREGULAR CROSS CUTTING AT 65 CA MAINLY AMPB FSP ROCK WITH SCTD VEINS QTZ CARB 4 INCH MASSIVE WHITE QTZ VEIN AT 651.6	
0654.6	2.8			QTE	FG MG GY TO LT GY FSPIC MM SCALE BANDING MAINLY SUGARY QTZ FSP MINOR BIOT AMPB MINOR FRCTS WITH CHL ON FRCT PLANES LOWER CT SHARP 25 CA & MARKED BY 4 INCH MASSIVE WHITE QTZ VEIN QTE UNIT HAS BEEN ASSIMILATED & ALTD BY QTZ VEIN FOR 8 INCHES IN CT WITH QTZ VEIN	60
0657.6	3.0			DIA	META FG DK GRN CHLC MAINLY AMPB FSP	

DEPTH	LE.	SAMPLE#	MIN.	ROCK	DESCRIPTION	ANG
					WITH BIOT CHL 30% OF THIS INTERVAL CONSISTS OF UP TO 5 INCH MASSIVE WHITE QTZ VEINS WHICH HAS RESULTED IN CHL & BIOT ALYN OF THE DIA	
0666.1	8.5			QTE	LOWER CT SHARP 40 CA GY TO DK GY AS AT 654.6 IPREGULAR CM 45 SCALE BANDING RARE ISOLATED 3 CM BY 1 CM QTZ PEBS LCLLY SERICITIC CUT BY SEVERAL MASSIVE WHITE 8 INCH QTZ VEINS BECOMES ARGILLACEOUS TOWARD SHARP SHTOSE LOWER CT AT 50 CA	
0667.9	1.8			DIA	META & ALTD MG DK GRN SHTOSE BIOTIT 50 IC & CHLC MINOR DISS PY MAINLY AMPB FSP ROCK MINOR QTZ CARB VEINING LOWER CT SHARP SHTOSE 50 CA	
0672.2	4.3			ARG	MG DK BRN META SHTOSE UNIFORM MAINL 55 Y BIOT MINOR AMPB FSP & NUMS MM SCAL E LT GY CARB GRAINS GIVING THE ROCK A FINE SPOTTED APPEARANCE 20% CARBON ATE LOWER CT SHARP 15 TO 20 CA ROCK IS CUT BY 3 INCH DIA DIKE WITH SHARP CTS AT 670.2	
0688.5	16.3			DIA	META MG GRN MASSIVE MAINLY AMPB FSP ROCK LCLLY ALTD WITH EPID BIOT & CHL SCTD IRREGULAR FRCTS WITH QTZ CARB 6 INCH ASSIMILATED INCLS OF QTE AT 679.8 LOWER CT SHARP FG & BIOTITIC AT 52 CA CUT BY MASSIVE WHITE 8 INCH QTZ VEIN AT 688.2	
0692.8	4.3			QTE	MG FG DK GY TO GY ARKOSIC 5 MM SCALE BANDING AT 35 TO 40 CA WITH ALTERNAT ING FSP RICH BANDS & QTZ FSP BIOT BANDS ALMOST AN ARKOSE SCTD 1 TO 2 INCH QTZ VEINS LOWER CT SHARP 45 CA	
0697.6	4.8			DIA	FG MG DK GRN MASSIVE UNIFORM MAINLY AMPB FSP ROCK ROCK BECOMES FG BIOTIT IC TOWARD UPPER CT SCTD BLBS & VEINS OF QTZ CARB	
0700.9	3.3			VEIN	MASSIVE WHITE QTZ BOTH CTS VERY SHAR P IRREGULAR WITH INCLS OF DIA OVER 1 FT ON LOWER CT	
0705.9	5.0			DIA	FG MG DK GRN UNIFORM MASSIVE AMPB FSP ROCK FG BIOTITIC WITH DISS CUBES PY OVER 1 FT ON LOWER CT AT 70 CA SCTD VEINLETS QTZ CARB	
0708.0	2.1			QTE	AS AT 692.8 PEBBLY & CONGLOMERATIC 50 APPEARANCE BUT STAINING SHOWS THIS DUE TO FRCT O LY GY MAINLY QTZ MINOR PLAG LENSES WITH BIOT ON FRCT PLANES LOWER CT SHARP 70 CA	
0751.8	43.8			DIA	MG TO CG MASSIVE UNIFORM DK GRN MAIN LY STUBBY FIBEROUS DK GRN TO BLACK AMPB WITH INTERSTITIAL PLAG RARE 5MM SCALE VEINS OF QTZ CARB GRADUALLY FINER GRAINED OVER 3 FT TO UPPER CT	

DEPTH	LEN	SAMPLE#	MNL	ROCK	DESCRIPTION	ANG
0755.0	1.2			GWKE	SLLY FINER GRAINED TO SHARP LOWER CT AT 55 CA	
					ARKOSIC GY TO DK GY FG MG UNIFORM MAINLY QTZ PLAG BIOT WITH RARE SCTD	
0757.8	4.8			DIA	2 MM SCALE PLAG FRAGS LOWER CT SHARP 55 CA SCTD VEINS QTZ PROB AN INCLS IN DIA	
					AS AT 751.8 GRADUALLY BECOMES SCHTOS E & BIOTITIC AT SHARP LOWER CONTACT AT 40 CA	
0768.4	10.6			QTE	LT GY TO GY MG FG SUGARY SERICITIC LCLLY BIOTITIC & ARGILLACEOUS SCTD	45
					FRCTS WITH CHL ON FRCT PLANES LOWER CT SHARP 55 CA LESS THAN 20 CPS	
0777.6	9.2			DIA	META MG DK GRN SLLY SCHTY UNIFORM IFBEROUS AMPB FSP BIOT SCTD VEINS QTZ	
					2 CARB ROCK IS SCHTOS WITH MM SCALE BANDING UN BOTH CTS LOWER CT SHARP 60 CA	
0791.3	13.7			QTE	LT GY FG MG SUGARY ARGILLACEOUS & SERICITIC MAINLY QTZ WITH GRN AMPB	
					FLKS BIOT SER & MINOR FSP LCLLY REDD ISH BRN WHERE MORE ARGILLACEOUS	
0806.9	15.6			QTE	SERICITIC LT GY WITH GREENISH TINT FG MG MAINLY QTZ SERICITE LCLLY DK	45
					GY ARGILLACEOUS UNULATING & CUNTORT ED SCHTY DUE TO SER 25 TO 45 CA	
					SCTD IRREGULAR FRCTS WITH BIOT & CHL FLKS GIVE THE ROCK A FLAGSTONE APPEARANCE LOWER CT SHARP 65 CA	
0807.8	0.9			DIA	AS AT 777.6 AMPB BIOT FSP UNIFORM SLLY SCHTY BOTH CTS SHARP LOWER AT 70 CA	70
0809.4	1.6			QTE	AS AT 806.9 LOWER CT GRADATIONAL	
0812.5	3.1			ARG	MG DK GY BRN UNULATING & DRAG FOLD APPEARANCE DUE TO SLUMPING & LT GY	
					3 INCH LENSES OF QTE ROCK IS MAINLY AMPB BIOT QTZ MINOR FSP LOWER CT SHARP 55 CA	
0874.0	61.5			QTE	SERICITIC GY TO LT GY FG MG MAINLY QTZ SERICITE SCHTOS WITH FOTN VARIA	
					BLE 15 TO 50 CA AN 8 INCH ARGILLACED VS BIOTITIC DK BRN SCHTOS WITH MM SCALE BANDING AT 65 CA BAND AT 843.0	
					LESS THAN 20 CPS SCTD MM SCALE SPKS OF ORANGE	
					BRN TO RED IRON STAINING OVER FIRST 9 FT LOWER CT SHARP 45 CA NUMS FRCTS WITH BIOT CHL GIVE ROCK A FLAGSTONE APPEARANCE	
0904.5	30.5			DIA	FG MG DK GRN MASSIVE UNIFORM AMPB FSP ROCK SCTD FRCTS & VEINS QTZ CARB	
					ROCK IS FINER GRAINED & SLLY SCHTY TOWARD BOTH SHARP CTS LOWER CT AT 40 CA & MARKED BY 2 INCH MASSIVE	

DEPTH	LGTH	SAMPLE#	MIN. ROCK	DESCRIPTION	ANG
0910.5	6.0		ARK	WHITE QTZ VEINS GY TO DK GY FG MG SUGARY TEXT SCTD DK NEEDLES OF AMPB IN A MTX OF PLAG QTZ SCTD CLOTS AMPB BIOT THROUGHOUT	
0927.3	16.0		QTE	LOCAL ZONES FG ARGILLACEOUS BIOT SCH LESS THAN 20 CPS LOWER CT SHARP 55 CA LT GY TO WHITE FG MG SUGARY SERICITI 70 C SCTD FRCTS WITH CHL BIOT ON FRCT PLANES LOWER CT SHARP 65 CA A 6 INCH BAND OF BIOTITIC ARGILLACEOUS ARKOSE WITH SHARP CTS AT 923.7	
0932.3	5.0		QTE	AS AT 927.3	70
0942.3	10.0		UM	MG GY MASSIVE FIBEROUS TEXT MAINLY TALC WITH CARB & SERP SCTD IRREGULAR FRCTS & VEINS WHITE SERP CARB	
0952.3	10.0		UM	ROCK IS GRN CHLC WITH SUNS OF TREM ON UPPER CT & GRADUALLY CHANGES TO MASSIVE STEDTITE 2% 0.5 MM MT DISS THROUGHOUT	
0964.0	11.7		UM	AS AT 942.3 AS AT 942.3 LOWER CT SHARP 60 CA & MARKED BY APPEARANCE OF SUNS OF TREM OVER 3 INCHES TOWARD THE SHARP LOWER CT AT 60 CA	
0964.5	0.5		SCH	CHL DK GRN FG UNIFORM POSS ALTD CONTACT PHASE OF UM AS UNIT REPEATS AT UPPER CT OF ABOVE UM UNIT LOWER CT SHARP 45 CA	
0965.7	1.2		AMPB	CG DK GRN RADIATING SUNS OF TREM WIT H BIOT FLKS & CHL POSS META ARG (Q) LOWER CT SHARP 60 CA	
0966.2	0.5		GWKE	FG MG GY TO DK GY SLLY SCHTOSE MAINL 60 Y PLAG WITH FG QTZ & NUMS SCTD NEEDL ES OF FG DK GY GRN AMPB SCTD MM SCAL E NARROW CLOTS BIOT LOWER CT SHARP 60 CA	
0966.8	0.6		AMPB	AS AT 965.7 DK GRN BIOTITIC & CHLC LOWER CT SHARP & MARKED BY PARTIALLY GROUND BAND CHL TALC SCH AT 75 CA	
0968.0	1.2		AMPB	MASSIVE LT GRN CG RADIATING SUNS OF TREM GRADUALLY CHANGING TO SCTD SUNS OF TREM IN A FG DK GRN CHL TALC SCH LOWER CT GRADATIONAL	
0979.9	11.9		DIA	MAFIC DIKE MG DK GRN SLLY SCHTOSE MAINLY AMPB FSP MINDR QTZ BIOT ROCK BECOMES FIBEROUS BIOT AMPB CG OVER 2 FT TOWARD BOTH CTS LOWER CT SHARP 1 INCH TO A GRN CHL TREM ROCK	70
0980.6	0.7		SCH	CHL ALTD CT PHASE OF UM FG DK GRN WITH NUMS RADIATING NEEDLES OF TREM LOWER CT SHARP 80 CA	
0985.1	4.5		UM	GRADES FROM MASSIVE LT GRN CN SCALE SUNS OF TREM ON BOTH CTS TO SCTD SUNS OF TREM IN A STEATITE MTX TO	

DEPTH	LENGTH	SAMPLE#	MIN.	ROCK	DESCRIPTION	ANG
					A MASSIVE LT GY FIBEROUS STEATITE IN CENTER PORTION OF UNIT LOWER CT VERY SHARP UNDULATING 20 TO 40 CA	
0985.8	0.7			SCH	CHL FG GRN UNIFORM BOTH CTS SHARP LOWER AT 45 CA	45
0986.8	1.0			GWKE	FG MG GY UNIFORM SLLY SCHTY MAINLY PLAG WITH SCTD NEEDLES AMPB & FLK BIOT WITH MINOR QTZ AS AT 966.2 LOWE R CT SHARP 45 CA SCTD FRCTS WITH CHL RARE PY CUBES	65
0987.6	0.8			UM	META ALTD MAINLY MASSIVE LT GRN RADI ATING SUNS OF TREM BOTH CTS SHARP & MARKED BY 1 INCH BANDS OF CHL SCH WITH BLACK NEEDLES OF AMPB CTS AT 45 CA	45
0988.1	0.5			GWKE	AS AT 986.8 LOWER CT SHARP 50 CA	
0994.9	6.0			DIA	META FG MG DK GY TO DK GRN UNIFORM SLLY SCHTY MAINLY AMPB FSP MINOR BIOT QTZ LOWER CT SHARP IRREGULAR 50 CA	50
0995.5	0.6			SCH	CHL FG DK GRN UNIFORM SOFT LOWER CT SHARP 50 CA	
0997.4	1.9			UM	FG LT GY MASSIVE STEATITE FIBEROUS TEXT MAINLY TALC WITH CARB & SERP LOWER CT BKEN GROUND UPPER CT SHARP WITH NUMS SUNS OF TREM OVER 3 INCH	
0997.8	0.4			SCH	FG LT GRN BKEN & GROUND STEATITIC LOWER CT GROUND	55
0999.5	1.7			DIA	META AS AT 994.9 BKEN & GROUND LOWER CT GROUND	
1001.3	1.8			SCH	FG GRN CHL UNIFORM LOWER CT GRADATIO NAL TO MASSIVE STEATITE	70
1003.0	1.7			UM	STEATITE MASSIVE LOWER CT SHARP 70 CA ROCK HAS A FIBEROUS TEXT MAINLY TALC WITH SERP CARB SUNS OF TREM ON BOTH CTS	
1003.1	0.1			SCH	FG GRN CHL SCH AS AT 1001.3 LOWER CT SHARP 70 CA	70
1006.0	2.9			DIA	MG CG DK GRN SLLY SCHTY MAINLY AMPB FSP MINOR BIOT LOWER CT SHTOSE SHAR P TO CA	70
1007.1	1.1			ARG	MG DK GY BRN MASSIVE FIBEROUS AMPB BIOT SCTD 5 MM SCALE BANDS QTZ FSP ROCK IS CHLC POSS UM INCLS (Q) LOWER CT SHARP 75 CA	70
1008.9	1.8			DIA	AS AT 1001.0 MG AMPB FSP MINOR BIOT QTZ SLLY SCHTY LOWER CT SHARP 60 CA	70
1011.8	2.9			GWKE	FG MG GY TO DK GY UNIFORM SLLY SCHTY MAINLY PLAG WITH FG QTZ & NEEDLES & FLKS OF AMPB & BIOT SCTD 1/2 1 TO 3 MM ROUNDED PEBS & FRAGS OF QTZ AND PLAG LOWER CT SHARP 65 CA	65
1017.5	5.7			DIA	META DK GY GRN MG TO CG UNIFORM SLLY TO SCHTY AMPB FSP MINOR BIOT SLLY FINER GRAINED & SHTOSE ON BOTH CTS CM SCA	

DEPTH	LENGTH	SAMPLE#	MINOR ROCK	DESCRIPTION	ANG
1025.5	8.0			LE INCLS OF GWKE 1 INCH FROM LOWER CT LOWER CT SHARP 58 CA	
1025.9	0.4			GWKE AS AT 1011.8 LOWER CT BKEN & ROUND 70	
				UM META CG GRN MASSIVE RADIATING SUNS OF TREM LOWER CT SHARP 50 CA POSS DI KE	
1032.5	6.6			DIA META MG CG DK GRN LCLLY SHTOSE AMPB 65 FSP MINOR BIOT ROCK RAKE QTZ CARB VEINS SCTD FRCTS WITH CHL	
1032.7	0.2			UM AS AT 1025.9 CG GRN RADIATING TREM BOTH CTS VERY SHARP UPPER 80 CA LOWE R 65 CA POSS DIKE OR INCLS	
1033.9	1.2			DIA AS AT 1032.5 LOWER CT BKEN GROUND PROB SHARP	
1034.9	1.0			UM AS AT 1025.9 FRCT WITH CHL & SERP CARB VEINING LOWER CT SHARP 60 CA	
1043.3	8.4			DIA POSS META ARG MG DK GY GRN SLLY SHT 70 OSE FIBEROUS TEXT CONSISTING OF NEED LES OF AMPB WITH FLKS OF BIOT AND PLAG LCLLY CHLC LOWER CT GRADATIONAL OVER 1 INCH	
1047.2	3.9			UM HGLY ALTD LT GY GRN TO WHITE FG WK 80 MM SCALE BANDING MAINLY CARB SERP ROCK GRADES TO STEATITE WITH SUNS OF TREM & THEN GRN CHLC SCH ON BOTH CTS OVER 6 INCHES	
1060.0	12.8			DIA META ARG AS AT 1043.3 BOTH CTS GRADA 80 TIONAL OVER 1 INCH TO CHLC SCH	
1064.5	4.5			UM 25% SCTD CM SCALE PATCHES LT GRN OLIV ALTD TO SERP IN A FG LT GY TALC MTX UPPER CT ZONE IS 8 INCH WIDE & CONSISTS OF FG DK GRN CHL SCH WITH DISS MT THEN SUNS OF TREM IN A TALC MTX THEN GRADES TO TALC WITH OLIV UPPER CT ZONE BKEN & GROUND LOWER CT SHRD WITH 3 INCH CARB VEIN	
1072.4	7.9			UM AS AT 1064.5 ONLY OLIV SHALLE 3 TO 5 MM DK GRN & LESS ALTD AND MTX IS TALC CARB SCTD MM SCALE FRCTS WITH LT GY WHITE CARB LOWER CT GRADATIONA L & MARKED BY LG LT GRN OLIV IN TALC AS AT 1064.5 OVER 1 INCH	
1073.2	0.8			UM CONTACT ZONE FG LT GY TALC SC' GRADI 65 NG TO DK GRN CHL SCH ON SHARP LOWER CT AT 55 CA	
1077.0	3.8			ARG DK GY TO BK & GRN MG LCLLY SHTOSE 60 FIBEROUS TEXT MAINLY AMPB BIOT CHL LCLLY VERY FRABLE LOWER CT BKEN & GROUND POSS MAFIC DIKE	
1079.3	2.3			SCH CHL FG LT GRN UNIFORM SCTD DISS MM SCALE MT 1 INCH BAND DK GY TALC SCH ON UPPER CT 2 INCH BAND STEATITIC WITH SUNS TREM AT 1079.0 LOWER CT BKEN & GROUND	
1083.0	3.7			GWKE ARGILLACEOUS DK GY FG MG SLLY S HTOS 75	

DEPTH	LI	H	SAMPLE#	MNL.	ROCK	DESCRIPTION	ANG
1085.0		2.0			UM	E MAINLY FSP BIOT MINOR AMPB QTZ LOWER CT BKEN GROUND INDISTINCT CHLC LT GY TO DK GY FG MASSIVE STEATITE WITH RARE ISOLATED SUNS OF CM SCALE	
1085.6		0.6			UM	TREM LOWER CT GRADATIONAL MASSIVE STEAT WITH 15% FREE FLOATING PRISMATIC HUSKY TABLETS 15 MM BY 5 MM OF DK GRN OLIV ALTN TO SERP	
1086.0		0.4			UM	MASSIVE STEATITE FG LT GY WIT' 6T GRN BANDS OR VEINS OF TALC LOWER CT ABRUPT OVER 1 INCH	
1090.0		4.0			UM	30% EQUANT PRISMATIC BLADES & HUSKY TABLETS OF DK GRN OLIV ALTN TO SERP IN A MTX OF FG TALC MINOR SERP CARB OLIV RANGE IN SIZE FROM 2 MM TO 2 CM LOWER CT IS SHRD WITH CARB VEINING	
1105.0		15.0			UM	30% EQUANT 2 TO 15 MM BUT MAI(LY 5 T O 8 MM DK GRN OLIV ALTN TO SERP IN A FG LT GY STEATITE MTX OLIV LCLLY CLOG TOGETHER TO FORM GLOMOPORPHS UP TO 3 CM MTX IS MAINLY TALC MINOR SER P CARB BUT LCLLY WHERE OLIVS ARE LT GRN TO GRN MTX IS SERP CARB RICH WIT H UP TO 10 MM HAIRLINE STRS MT DISS MT THROUGHOUT LCLLY ROCK IS SHRD WIT H CARB SERP VEINING	
1120.0		15.0			UM	AS AT 1105.0	
1135.0		15.0			UM	AS AT 1105.0	
1150.0		15.0			UM	AS AT 1105.0	
1163.0		13.0			UM	AS AT 1105.0 LOWER CT GRADATIONAL	
1166.2		3.2			UM	5% UP TO 5 MM PRISMATIC DK GRN OLIV IN A LT GY MTX OF TALC MINOR SERP CARB BKEN & GROUND ON LOWER CT	
1167.4		1.2			UM	30% 2 TO 1 MM EQUANT DK GRN TO BK OLIV IN A FG LT GY STEATITE MTX BOTH CTS GROUND OLIV EVENLY DISTRIBUTED THROUGHOUT	
1174.7		7.3			UM	20% 2 TO 4 CM GLOMOPORPHS OF OLIV IN A LT GY STEATITE MTX WITH SCTD 2 MM SCALE EQUANT OLIVS UPPER CT GROUND PROB SHARP LOWER CT GRADATIONAL	
1175.4		0.7			UM	5% SCTD CORRODED PRISMATIC UP TO 5 MM OLIV IN A STEATITE MTX OLIV ARE DK GRN ALTN TO SERP POSS PYX & NOT OLIV ALSO NJMS LT GY GRN ROUND EQUANT 1 TO 2 MM SERP CARB POSS AFTER OLIV LOWER CT GRADATIONAL MINOR DISS PY LESS THAN 1%	
1178.0		2.6			UM	STEATITE MASSIVE LT GY FG GRADING TO A 5 INCH BAND MASSIVE GRN RADIATING SUNS OF TREM FOLLOWED BY A 3 INCH BAND CHL SCH ON SHARP 60 CA LOWER CT	
1182.4		4.4			ARG	META DK GY GRN SLLY SCHTY FG MG MAIN 75 LY AMPB FSP BIOT MINOR QTZ ROCK IS BKEN & FRCT WITH CHL ON FRCT PLANES	

DEPTH	LEN	SAMPLE#	MINZN	ROCK	DESCRIPTION	ANG
					MINOR DISS PY LESS THAN 1%	
1208.0	25.6			ARG	AS AT 1182.4 8 INCH BAND OF BANDED FG ARKOSE AT 1192.0 45% GROUND & LC	75
1219.3	11.3			ARG	AS AT 1182.4 FLKY FIBROUS TEXT MORE SCHTY AMPB BIOT FSP POSS MTDIA	
1224.3	5.0			ARG	AS ABOVE ROCK BECOMES CHLC & BIOTITE C. WITH CG AMPB CN SHARP PARTIALLY GROUND LOWER CT	
1227.2	2.9			UM	LT GY FG SCHOSE STEATITE WITH ABUND ANT CARB DEVELOPES CM SCALE SUNS OF TREN OVER 6 INCHES CN SHARP LOWER CT LOWER CT CHLC GROUND	75
1230.0	2.8			GWKE	ARGILLACEOUS GY FG MG MAINLY PLAG QTZ AMPB NEEDLES & FLKS BIOT LOWER CT BKEN & GROUND & CHLC	
1236.2	6.2			DIA	META MG DK GRN SLLY SCHTY MAINLY AMP 70 B FSP MINOR BIOT QTZ PUSS META ARG LOWER CT SHARP CHLC & BIOTITIC 70 CA	
1254.0	17.0			UM	LT GY FG MG MAINLY FIBROUS MASSIVE BUT LCLLY SCHOSE & MM SCALE BANDING MAINLY TALC CARB & SERP WITH DISS MT THROUGHOUT NO ORIGINAL TEXT UPPER CT MARKED BY 6 INCH BAND STEATITE WITH SUNS OF TREN PICK BECOMES SCHOSE WITH MM SCALE BANDING OVER 3 FT TOWARD LOWER CT CHLC ON SHARP LOWER CT AT 75 CA	75
1269.8	15.8			GWKE	ARGILLACEOUS & CONGLOMERATIC 10 TO 20% LT GY FG UP TO 4 CM BY 2 CM LENS ES DR PEBS OF QTZ FSP IN A DK GY MTX OF PLAG QTZ BIOT & AMPB LCLLY MM TO CM SCALE BANDING 85 CA TS C-75-1220 @ 1262' QTZ BIG CARB SCH	85
1279.0	9.2			GWKE	FG MG DK GY GRN UNIFORM MASSIVE FSP QTZ & FIBROUS AMPB POSS META DIA BECOMES SCHOSE OVER 2 FT TOWARD LOWER CT LOWER CT GRADATIONAL OVER 1 INCH	
1286.7	7.7			ARG	META FG MG GY TO DK GY GEN QTZ FSP AMPB BIOT WITH CHL LCLLY FIBROUS TEXT WHERE AMPB & BIOT MORE ABUNDANT BOTH CTS GRN CG BIOT AMPB & CHL	
1287.9	1.2			UM	FG LT GY SCHOSE & MM SCALE BANDING TALC CARB SERP DISS FG MT 1% LOWER CT SHARP UNULATING 45 CA	65
1294.5	6.6			GWKE	ARGILLACEOUS FG MG GY GRN SLLY SCHTY UNIFORM AMPB FSP BIOT MINOR QTZ LOWE B CT GRADATIONAL OVER 1 INCH UPPER CT FRCT WITH MASSIVE WHITE QTZ VEINING	75
1298.2	3.7			ARG	MG CG DK GY GRN GRN FIBROUS TEXT AMPB BIOT CHL WITH MINOR QTZ PLAG LCLLY BANDED	75
1308.2	10.0			UM	LT GY FG SLLY SCHTY UNIFORM TALC	75

DEPTH	LEN	SAMPLE# MN.	ROCK	DESCRIPTION	ANG
				TALC CHL WITH 5 MM BK NEEDLES OF AMP B OVER 3 INCHES FOLLOWED BY A 1 FT BAND FIBEROUS GY 5 MM SCALE SUNS OF TREM IN A STEATITE MTX	
1325.0	16.8		UM	AS AT 1308.2 35% GROUND & LC LOWER CT GROUND	
1335.0	10.0		GWKE	ARGILLACEOUS MG DK GY UNIFORM GRANUL 80 AR TEXT. AMPB FSP QTZ WITH FLKS BIOT & CARB DISTRIBUTED THROUGHOUT SCTD ISOLATED CM SCALE FG DK GY LENSOIDAL FRAGS OF AMPB BIOT POSS FRAGS BASIC VOLC	
1360.6	25.6		GWKE	AS ABOVE 6 INCH BAND CHL BIOT SCH 80 AT 1357.0 LOWER CT SHARP 85 CA 50% GROUND & LC	
1362.7	2.1		UM	CG GRN CM SCALE SUNS MASSIVE TREM 85 IN STEATITE MTX UPPER CT MARKED BY 1 INCH BAND FG TALC CHL SCH AND THEN 1 INCH BAND FLKY CHL BIOT SCH LOWER CT MARKED BY 5 INCH BAND CHL SCH WITH FLKS BIOT AND THEN 1 INCH BAND FLKY BIOT CHL SCH CTS BETWEEN BANDS ARE SHARP 85 CA	
1365.5	2.8		GWKE	FG MG DK GY GRN SLLY SCHTY AMPB FSP BIOT MINOR QTZ LCLLY CHLC LOWER CT GROUND & MARKED BY 4 INCH ZONE OF CHL SCH	
1377.0	11.5		UM	LT GY TO WHITE FG SLLY SCHTY WITH MM 75 SCALE BANDING ORIG TEXT COMPLETELY DESTROYED MAINLY CARB SERP TALC FG DISS MT THROUGHOUT FOTN VARIES 55 TO 75 CA LOWER CT GROUND	
1379.6	2.6		UM	STEATITE FG LT GY AMSSIVE TALC WITH SCTD UP TO 2 CM SUNS & BROOMS OF TREM LOWER CT SHARP 60 CA	
1383.1	3.5		SCH	FG DK GRN CHL SCH SCTD 5 MM SCALE 70 FEATHERY BLACK AMPB SCTD 2 MM DISS MT THROUGHOUT LOWER CT GROUND	
1383.5	0.4		UM	AS AT 1379.6 LOWER CT SHARP 60 CA	
1387.6	4.1		SCH	CHL AS AT 1383.1 LOWER CT GROUND 70	
1389.4	1.8		UM	STEATITE LT GY FG MG FIBEROUS TEXT 70 MAINLY TALC CARB & SERP WK FOTN 70 SCTD SUNS OF TREM ON UPPER CT LOWER CT SHARP BKEN 45 CA DISS MT THROUGH UT	
1390.0	0.6		SCH	CHL FG GRN UNIFORM LOWER CT GROUND 75	
1401.4	11.4		DIA	META SLLY SCHTOSE DK GY GRN FG MG 75 FIBEROUS AMPB WITH PLAG TRACE FLKS OF BIOT ROCK IS BXTD CRUSHED & MYLON IZED WITH RED BRN IRON STAINING OVER FIRST 2 FT FAULT BRECCIA LOWER CT FRCT & GROUND	
1405.6	4.2		PRPH	FSP DIKE ROCK 15% 1 TO 3 MM EDHEDRAL LATHS OF WHITE PLAG IN A FG DK GY MTX PLAG MINOR QTZ FLKS SER MANY OF	

DEPTH	U.H	SAMPLE#	MA. ,	ROCK	DESCRIPTION	ANG
1406.1	0.5			SCH	PHENOS DISPLAY ZONING SCTD FRCTS WIT H CHL LOWER CT BKEN SHARP 45 CA WELL PRESERVED PRPHIC TEXT BIOT MG BRN MAINLY BIOT LOWER CT	70
1412.3	6.2			UM	GROUND STEATITE MG LT GY FIBEROUS TEXT TALC SERP CARB DISS MT 1% WK CONTORTED FUTN 25 TO 70 CA UPPER CT MARKED BY 8 INCH BAND GRN SUNS OF TREM 50% GROUND CORE LOWER CT SHARP 45 CA & MARKED BY SUNS OF TREM	
1413.3	1.0			SCH	CHL FG DK GRN UNIFORM DISS MM SCALE MT 1% LOWER CT GROUND	
1424.7	11.4			UM	STEATITE LT GY FG MG TALC CARB SERP SLLY SCHTY WITH MM SCALE BANDING 65 TO 70 CA AT 1417.5 DISS MT 1% SCTD VEINS OF CARB ORIG TEXT COMPLETELY DESTROYED LOWER CT BKEN GROUND PROB SHARP	65
1427.6	2.9			SCH	CHL FG GY TO GRN CHL WITH 2% DISS MM SCALE MT LOWER CT BKEN GROUND PROB SHARP	70
1435.7	8.1			UM	MAINLY LT GY FG CARB RICH STEATITE ON UPPER CT GRADING TO FG LT GRN TAL C WITH UP TO 2 CM SUNS & BROOMS OF LT GRN TREM DISS MT 1% THROUGHOUT LOWER CT SHARP 40 CA	
1436.6	0.9			SCH	CHL FG DK GRN UNIFORM 1% DISS MM SCA LE MT MINOR NEEDLES BK AMPB LOWER CT GROUND	70
1446.6	10.0			UM	STEATITE LT GY FG MG FIBEROUS TEXT TALC SERP CARB SCTD LT GY GRN TALC & CARB VEINS 1% DISS MT GRADUAL APPE ARANCE OF 2 TO 3 MM GRN EQUANT OLIV ALTN TO SERP IN A STEATITE MIX 20% GROUND CORE	
1449.3	2.7			UM	15% RAGGED UP TO 5 MM EQUANT DK GRN OLIV IN A FG LT GY STEATITE MIX LOWE R CT GRADATIONAL	
1454.3	5.0			UM	30% 5 TO 8 MM DK GRN TO BK PRISMATIC BLADES OF OLIV ALTN TO SERP IN A FG LT GY GRN TALC SERP CARB MIX LCLLY SHRD & CONTORTED WITH CARB VEINING A DK GRN FG BAND OF CHL SCH AT 1452 FT DISS MT THROUGHOUT	
1463.9	9.6			UM	30% 2 CM BY 3 MM DK GRN BLACK PRISMA TIC OLIV ALTN TO SERP CRISS CROSSING IN A FG GY TO GRN MIX OF SERP TALC CARB LCLLY FRCT WITH CARB VEINING	
1464.5	0.6			UM	15% 5 MM SCALE WAXY GRN PRISMATIC SERP AFTER OLIV WITH 15% MM SCALE LT GY WHITE ROUND CARB WHICH GIVES THE ROCK A GRANULATED APPEARANCE IN A GY GRN SERP TALC MIX SHRD (Q)	
1471.2	6.7			UM	AS AT 1463.9 INTERSTICIAL CRN MIX OF	

DEPTH	LEI	SAMPLE#	MNL	ROCK	DESCRIPTION	ANG
1473.0	1.8			UM	SERP CARB AS AT 1464.5 UPPER CT SHARP 75 CA SHARD Q LOWER CT GRADATIONAL OVER 2 INCHES	
1482.9	9.9			UM	AS AT 1463.9	
1489.8	6.9			UM	30% DK GRN EQUANT & PRISMATIC 1 TO 3 MM DK GRN RAGGED OLIV ALTN TO SERP IN A FG MG YELLOW GRN MTX OF SERP CARB & TALC DISS MT 2% LCLLY SHRD WITH CARB VEINS ROCK HAS A GRANULATE D APPEARANCE LOWER CT SHARP 1 INCH AT 45 CA	
1491.5	1.7			UM	STEATITE FG MG LT GY FIBEROUS TEXT MAINLY TALC SERP MINOR CARB LOWER CT SHARP 70 CA	
1497.4	5.9			SCH	CHL FG DK GRN UNIFORM MAINLY CHL MIN 70	
1499.0	1.6			UM	GR TALC LOWER CT BKEN & GROUND 10% UP TO 15MM BY 2 MM BUT MAINLY 8 MM BY 0.5 MM SKEELETAL DK GRN OLIV ALTN TO SERP IN A FG LT GY STEATITE MTX UPPER CT MARKED BY CM SCALE SUNS OF TREM IN TALC MTX FOOT OF HOLE	

BOREHOLE RECORD

DATE PROCESSED JULY 07, 1975

 BOREHOLE# 54417-0 SAKAMI PROJECT NTS# 33E2W SH# ANOM# DEPTH 01495 AZIMUTH 170.00 BEARING 180.00 DIP -45.00 ELEVATION 5001.800 LATITUDE 7001200 DEPARTURE DATE.....
 GRID
 CHK'D.....

 LOGGED BY...A M GALLOP STARTED...FEB 01, 1975 COMPLETED...FEB 16, 1975 ASSAY FOR...CU NI ZN PM

INCLINATION AND TROPARI TESTS

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
0200		-37.00	0400		-28.30	0600		-22.00	0300		-17.45
1000		-14.15	1495		-12.00						

COMMENTS

DELD BRAD BROS AQ CORE ZONE 3 & 4 PERMIT 548 WATER FROM LAKE
 400 FT CSG & SHOE LOST IN HOLE

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0				COLLAR	
0000.0	0.0				OVERBURDEN CLAY & SAND AW CSG START OF CORE	
0024.5	16.5		PRPH	QTZ FSP 35 TO 40% UP TO 5 MM BUT MAJ 45		
					NLY 3 MM PHENOS OF QTZ & PLAG IN A FG TO MG SUGARY EQUIGRANULAR MTX OF QTZ PLAG K SPAR & SCTD BIOT FLKS QTZ PHENOS ARE LT GY ROUND SOME OF WHICH ARE STRETCHED PARALLEL TO FOTN PLAG PHENOS ARE LT GY YELLOWISH & APPEAR AS EUHEDRAL LATHS WHICH HAVE BEEN STRETCHED PARALLEL TO FOTN AND THUS HAVE HAD THEIR OUTLINE DISTORTED FOR THE DISTORTING DUE TO ALTH OF PLAG TO SAUSSURITE MTX BECOMES FINER GRAINED OVER 3 FT TOWARD LOWER CT MAKING TEXTURE MORE APPARENT LOWER CT VERY SHARP & SLLY UNDULATING AT 45 CA A DIKE ROCK	
					TS-C-75-1217 @ 11.0' PRPHC RHYOLITE (XTAL TUFF) TS-C-75-1218 @ 23' RHYOLITE (XTAL TUFF)	
0025.6	1.1		QTE	FG MG GY TO DK GY SCHTOSF & CM SCALE 45		
					BANDING SLLY FSPIC MAINLY SUGARY QTZ SERICITE FSP MINOR BIOT LOWER CT SHA RP 45 CA	
0026.2	0.6		PRPH	AS AT 24.5 FG MTX BOTH CTS VERY SHAR 45		
					P AT 45 CA A HARPEN PRPH DIKE	
0036.3	10.1		GWKE	FG MG DK GY SLLY SCHTOSF LCLLY CM SC 45		
					ALL BANDING MAINLY AMPH QTZ FSP MINOR BIOT LCLLY ARGILLACEOUS BIOTITIC WITH SCTD MM SCALE PK GARNETS AN 8 INCH BAND OF LT GY YELLOWISH SERICIT IC QTZ AT 30.5 ROCK IS ARGILLACEOUS FOR 1 FT ON SHARP BOWFP CT AT 40 CA	
0111.3	75.0		QTE	SERICITIC FG MG LT GY TO WHITE UNIFD 45		
					ON SCHTOSF LIKE 5MM BAND OF BRIGHT	

DEPTH	L	SAMPLE#	MN.	ROCK	DESCRIPTION	ANG
0112.9	1.6			DIA	& SCTD FLKS BIOT SCTD QTZ VEINING LOWER CT ARGILLACEOUS SCHTOSE 55 CA LESS THAN 20 CPS META MG DK GRN SCHTOSE AMPB FSP MINO 45	
0166.4	53.5			QTE	R BIOT ROCK LOWER CT SHARP WAVY 80 CA FG MG DK GY TO LT GY TO WHITE SERICI 50 TIC AS AT 111.3 LCLLY DK GY ARGILLAC EOUS WITH BIOT AMPB SCTD FRCTS WITH CHL BIOT ROCK BECOMES MYLONITIZFD	
0189.8	23.4			DIA	OVER 3 FT TOWARD SHARP LOWER CT AT 53 CA CUT BY 6 INCH FG GRN DIA DIKE AT 163.5 FG MG DK GRN MASSIVE UNIFORM AMPB FSP ROCK SCTD MM SCALE HACKY FRCTS OF QTZ RARE SCTD ISOLATED MM SCALE	
0193.1	3.3			GWKE	PHENOS PLAG LOWER CT SHARP 50 CA FRACTS MORE APPARENT TOWARD UPPER CT DK GY FG MG UNIFORM SLLY SCHTOSE 55 MAINLY PLAG QTZ AMPB BIOT ARKOSIC SCTD 2 MM SCALE FRAGS OF PLAG & QTZ BOTH CTS SHARP POSS AN INCLS IN DIAB	
0234.2	41.1			DIA	ASE LOWER CT SHARP 55 CA AS AT 189.8 BECOMES FINER GRAINED CHLC WITH SCTD PK MM SCALE GARNETS TO SHARP 30 CA CONTACT	
0254.2	20.0			QTE	FG MG LT GY SERICITIC UNIFORM SHTOS 50 E SCTD CM SCALE BIOTITIC BANDS MAINL Y MG SUGARY QTZ WITH SERICITE SCTD FRCTS CHL BIOT 1 INCH BAND LT PK ORA NGE IRON STAINING AT 251.5 ROCK BECO MES ARGILLACEOUS BIOTITIC TOWARD BOT H CTS LOWER CT SHARP 75 CA	
0272.1	17.9			GWKE	MG DK GY GRN SCHTOSE & ARGILLACEOUS 55 MAINLY FSP WITH NEEDLES OF AMPB FLKS OF BIOT & FG QTZ SCTD UP TO 1 MM PK TO RED GARNETS THROUGHOUT ARGILLA CEGUS ZONES ARE BIOT GARNET RICH LOW ER CT SHARP 60 CA	
0292.7	20.6			QTE	LT GY TO GY MG SERICITIC UNIFORM SUGARY TEXT MAINLY QTZ SERICITE SCTD 45 FLKS BIOT CM SCALE BAND OF GRN CHROM ITE MICA AT 291.2 LOWER CT SHARP 55 CA SCTD QTZ VEINS	
0340.6	47.9			DIA	FG MG DK GRN MASSIVE UNIFORM FIBERDU S STUBBY AMPB WITH INTERSTITIAL FSP RARE SCTD MM SCALE PHENOS OF FSP	
0342.4	1.8			VEIN	SCTD STRS QTZ CARB LOWER CT SHARP QTZ MASSIVE WHITE SHARP CTS FRCT WIT H CHL BIOT UN FRCT PLANES CONTAMINAT ED ON LOWER CT DUE TO INCLS OF ARG SEDIMENT	
0372.5	30.1			ARG	DK GY BROWNISH MG FG SCHTOSE & MM SCALE BANDING MAINLY NEEDLES AMPB BIOT FSP MINOR QTZ BIOT APPEARS AS	60

DEPTH	L	TH	SAMPLE#	M	N	ROCK	DESCRIPTION	ANG
							NARROW BLACK CLOTS RARE TRACE DISS PY CUBES LESS THAN 1/8 LCLLY FINER GR AINED MORE FSPIC FOTN GRADUALLY CHAN GES FROM 55 CA TO 70 CA DOWNHOLE LOW ER CT SHARP 70 CA SCTD QTZ CARB VEIN ING	
0390.3		17.8				QTE	SERICITIC LT GY TO WHITE FG MG SHTO 50 SE SUGARY TEXT MAINLY QTZ SERICITIC LCLLY GY BIOTITIC LOWER CT SHARP WAVY 75 CA	
0401.7		11.4				DIA	FG MG DK GRN MASSIVE UNIFORM MAINLY AMPB FSP ROCK SCTD FRCTS OF QTZ CARB ROCK GRADUALLY BECOMES FINER GRAINED TOWARD SHARP UPPER CT & IS SHTOSE & BIOTITIC ON CT SEQUENCE REPEATS FOR LOWER CT AT 57 CA	
0405.3		3.6				QTE	FG MG GY TO DK GY SERICITIC LCLLY 60 ARGILLACEOUS SLLY FRCT WITH CHL RESU LTING IN A PEBBLY APPEARANCE FOR 1 FT ON UPPER CT MAINLY QTZ SERICITE SCTD BIOT LOWER CT SHARP 66 CA ROCK IS SLLY SHTOSE	
0410.5		5.2				ARK	10 TO 15% SUBANGULAR TO ROUNDED FRAG 55 S OF PLAG & MINOR ROUNDED QTZ PEB FROM 1 TO 4 MM IN A DK GY MG SUGARY MTX OF PLAG QTZ BIOT MINOR K SPAR PLAG FRAGS PARTIALLY ALTD TO SAUS BECOMES FINER GRAINED & ARGILLACEOUS & BIOTITIC TOWARD BOTH CTS PERS & FRAGS STRETCHED PARALLEL TO WK FOTN 60 TO 70 CA	
0415.3		4.8				ARG	DK GY GRN MG UNIFORM SLLY SHTOSE 65 & SLLY BANDED MAINLY FIBEROUS DK GRN AMPB & PLAG LCLLY BIOTITIC LCLLY A MOTTLED APPEARANCE WITH PATCHES OF PLAG SCTD VEINLETS QTZ CARB FSPIC WI TH CM SCALE CLOTS BIOT OVER 1 FT TO SHARP LOWER CT AT 70 CA POSS THIS UNIT IS META MAFIC DIKE()	
0418.7		3.4				ARK	GY FG UNIFORM SLLY SHTY VERY FG EQU 70 IGRANULAR SUGARY TEXT QTZ PLAG K SPA R WITH SCTD 1 TO 2 % MM SCALE ROUND QTZ PEBB WK INDISTINCT CM SCALE BAND ING FG UNIFORM TEXT INDICATES RHYOLI TE BY VARIATIONS IN K SPAR CONTENT INDICATE A SEDIMENT LOWER CT SHARP 70 CA	
0437.8		19.1				DIA	META MG DK GRN UNIFORM SLLY SHTY 65 MAINLY AMPB FSP ROCK LCLLY DIABASIC TEXT ROCK BECOMES SHTOSE BIOTITIC OVER 2 FT TO SHARP LOWER CT AT 60 CA SCTD VEINS QTZ CARB	
0439.6		1.8				QTE	MG GY UNIFORM SUGARY & GRANULATED 65 WKLY SHTY MAINLY QTZ MINOR SEPICITE FLKS OF BIOT LOWER CT SHARP 65 CA	

DEPTH	LGTH	SAMPLE#	MINZ	ROCK	DESCRIPTION	ANG
0439.6	1.0			QTE	MG GY UNIFORM SUGARY & GRANULATED WKLY SCHTY MAINLY QTZ MINOR SERICITE FLKS OF BIOT LOWER CT SHARP 65 CA	65
0441.1	1.5			DIA	META AS AT 437.8 LG SCHTLOSE AT SHARP 65 UPPER CT BROKEN & GROUND	
0454.1	13.0			QTE	SERICITIC MG LT GY TO WHITE UNIFORM SUGARY TEXT LOWER CT SHARP 65 CA	
0456.4	2.3			ARG	FG MG DK GY TO BRN SCHTLOSE & DISTING T CM SCALE BANDING WITH ALTERNATING DK BRN BIOT SCH BANDS & GRN GY CALCA REOUS AMPB QTZ BANDS & LT GY SERICIT IC QTL BANDS BOTH CTS SHARP LOWER AT 60 CA CUT BY 7 INCH MASSIVE WHITE QTZ VFIN WITH 2 CM SCALE INCLS OF BIOT CHL ARGILLITE	65
0486.8	30.4			RHYD	QCT 40% UP TO 3 MM BY MAINLY 1 TO 2 MM PHENOS OF QTZ & K SPAR IN A FG LT GY TO BUFF MTX OF QTZ K SPAR & PL AG WITH SCTD FLKS BIOT QTZ PHENOS ARE POUNDED SUBHEDRAL WHILE K SPAR PHENOS ARE STRETCHED & ALTD WITH A FEW WELL PRESERVED EUBEDRAL LATHS ROCK BECOMES FINE GRAINED WITH DISA PEARANCE OF PHENOS OVER 2 FT TOWARD UPPER CT WK FOTN 70 CA ROCK IS LCLLY PXTD & GROUND LOWER CT GROUND	70
0497.4	10.6			GWKE	FG MG DK GY SCTD 2 TO 3 MM LT GY ANGULAR FRAGS OF PLAG IN A HOMOGENOU S UNIFORM FG MG DK GY SLLY SCHTLOSE MTX OF PLAG BIOT & FG QTZ FINE MM SCALE BANDING WITH HOLY STRETCHED BLKS OF FSP CARB POSS TUFFACEOUS ROCK IS MYLONITIZED FOR 2 FT ON UPPE R CT SCTD VEINS QTZ CAPD LOWER CT SHARP 65 CA	65
0521.2	23.8			RHYD	DCT TO RHYOLITE NUMS LT GY TO WHITE 1 TO 3 MM EUBEDRAL TO SUBHEDRAL PHEN OS OF QTZ & K SPAR IN A FG SUGARY LT GY TO BUFF MTX OF PLAG QTZ & K SPAR WITH SCTD FLKS OF SERICITE RECRYSTAL IZATION & ALTN TO SAUS HAS DESTROYED THE XTL OUTLINE OF MANY OF THE FSPS ROCK IS CRUSHED & SHRD TO MYLONITE FOR 6 INCHES AT 514.0 ROCK IS CUT BY SCTD 2 TO 6 INCH FG DK GRN BIOTIT E MAFIC DIKES WITH SHARP CTS WK FOTN LOWER CT SHARP 65 CA	70
0522.2	1.0			ARK	TS C-75-1219 @ 502 OPPHC RHYOLITE (XTAL TUFF) FG GY TO DK GY 5 MM SCALE BANDING SUGARY TEXT MAINLY QTZ PLAG MINOR SERICITE & BIOT LOWER CT SHARP 62CA	70
0528.0	5.8			DIA	MINOR K SPAR 1 TO 2Y MAFIC DIKE FG MG DK GRN UNIFORM SLLY SCHTLOSE BOTH CTS SHARP CROSS CUTTING	70

DEPTH	LENG	SAMPLE#	M. N ROCK	DESCRIPTION	ANG
				OF QTZ PLAG BIOT FLKS & MINOR SER & K SPAR POSS DCT VOLC ROCK HAS BEEN CRUSHED & MYLONIZED FOR 1 FT ON UPPER CT ROCK BECOMES FG WITH DISAPPEAR	
0561.8	12.9		RHYD	OF PEBS OVER 3 FT TO SHARP LOWER CT AT 55 CA THIS FG SECTION IS AS AT 522.2 PEBS ARE UP TO 6 MM BUT MAINLY 2 MM DISTINCT FOTN 65 CA DCT AS AT 521.2 NUMS OF THE PHENOS ARE CLEARLY DEFINED EUMEDRAL QTZ AND K SPAR LOWER CT SHARP 60 CA LITTLE OR NO CHANGE IN GRAIN SIZE & TEXTURE TOWARD BOTH SHARP CTS	70
0565.7	3.9		DIA	MG DK GRN MASSIVE UNIFORM AMPB FSP ROCK SLLY FINER GRAINED TOWARD BOTH CTS LOWER CT SHARP 60 CA	
0573.6	7.9		ARG	MG GY TO DK GY FIBEROUS TEXT UNIFORM MASSIVE FIBEROUS NEEDLES OF AMPB & FLKS OF BIOT WITH PLAG MINOR FG QTZ LOWER CT GRADATIONAL OVER 3 INCHES TO LT GY QTE	
0603.5	29.9		QTE	LT GY TO WHITE FG MG SERICITIC SLLY SCHTOSE & LCLLY WITH CM SCALE DK GY BIOTITIC BANDS 60 CA BANDING GRADUALLY BECOMES MORE FREQUENT TOWARD LOWER CT LOWER CT SHARP 60 CA LESS THAN 20 CPS	60
0610.5	7.0		UM	FG DKGGRN UNIFORM SLLY SCHTY TALC CHL WITH SCTD UP TO 1 CM LONG OF TREM LOWER CT GRADATIONAL SCHTOSE OVER 2 INCHES LESS THAN 10% TREM	65
0611.5	1.0		UM	90% CG DK GRN TO GRN RADIATING TREM WITH MINOR TALC CHL MASSIVE UNIFORM LOWER CT GRADATIONAL OVER 2 INCHES	
0612.6	1.1		UM	STEATITE FG DK GY MASSIVE UNIFORM TALC MINOR CHL & FG DISS MT 1% LOWER CT GRADATIONAL OVER 3 INCHES	
0616.4	3.8		UM	30% CM SCALE DK GRN GLOMOPORPH PATCHES OF MM SCALE EQUANT DK GRN OLIV ALTN TO SERP IN A GY TALC SERP MINOR	60
0627.0	10.6		UM	CARB SHRD & SCHTOSE MTX FG DISS MT 1% SCTD LT GY TALC CARB STRS LOWER CT BKEN GROUND PROB SHARP	55
0627.8	0.8		UM	FG MG GY GRN SCHTOSE WITH A FIBEROUS TEXT TALC MINOR CHL & TREM NEEDLES RAGGED CM SCALE DK GRN PATCHES OR GLOMOPORPHS OF OLIV IN A FG GY SHEARED SCHTOSE MTX TALC CARB MINOR SERP	60
0643.3	15.5		UM	STEATITE GY UNIFORM FG SCHTOSE FIBROUS TEXT DISS MT THROUGHOUT LOWER CT SHARP & MARKED BY APPEARANCE OF OLIV GLOMOPORPHS	
0652.2	8.9		UM	35% UP TO 2 CM HUSKY TABLETS DK GRN OLIV OR PYX ALTN TO SERP IN A LT GY TALC MTX WITH 1% DISS MT NUMS FRCTS	

DEPTH	IN	SAMPLE#	M. N	ROCK	DESCRIPTION	ANG
0661.5	9.3		UM		WITH LT GY CARB ALTHOUGH IN SOME CASES THE CARB MAY BE REPLACING NEEDLES OF AMPB FG GY TO GRN UNIFORM SCHTOSE TALC	65
0670.4	8.9		UM		SERP WITH SCTD DISS MT BECOMES HARD MAINLY SERP IN CENTER OF SECTION BUT SOFT TALC TOWARD BOTH CTS BOTH CTS GRADATIONAL	
0672.8	2.4		UM		AS AT 661.5 5 TO 10% PRISMATIC BLADES & HUSKY	
0674.0	1.2		UM		TABLETS OF DK GRN OLIV POSS PYX ALTN TO SERP IN A FG GY MASSIVE STEAYITE MTX OLIVS ARE UP TO 15 MM BY 5 MM STIFATITE MASSIVE FG GY DISS MT 1/2 LOWER CT ABRUPT OVER 1 INCH	
0682.4	8.4		UM		AS AT 652.2 MANY OF OLIVS SHOW REACT ION RIMS WITH SOME FRESH CORES NUMS LT GY 8 MM SCALE HLDS CARB TRAC E DISS PY	
0691.0	8.6		UM		AS ABOVE OLIVS GRADUALLY SMALLER 2 TO 3 MM EQUANT	
0696.0	5.0		UM		5 TO 10% 2 TO 4 MM DK GRN PRISMATIC & EQUANT OLIV ALTN TO SERP IN A LT GY GRN TINT FG MASSIVE MTX OF CARB TALC SERP SLLY SHRD WITH SCTD VEINS CARB SERP OLIV GRADUALLY DISAPPEAR DOWNHOLE 2% DISS MT	
0702.7	6.7		UM		SCHTOSE & 5 MM SCALE BANDING LT GY	70
0720.8	10.1		DIA		FG TALC CARB SERP WITH 1% DISS FG MT BANDING DUE TO ALTNATING TALC RIC H & CARB RICH BANDS 65 TO 80 CA LOWE R CT SHARP IRREGULAR & CUT BY DIA UM IS ALTD TO DRIGHT GRN CG PADIATIN G AMPB FOR 2 INCHES ON CT	
0726.5	5.7		LC		MG DK GRN MASSIVE UNIFORM AMPB FSP ROCK SCTD FRCTS & VEINS WITH QTZ FSP SLLY FINER GRAINED ON UPPER & LOWER CTS	
0731.1	4.6		DIA		LOST CORE GROUND AS AT 720.8 LOWER CT SHARP 80 CA	
0740.6	9.5		UM		MAINLY FG MASSIVE TALC SERP CARB WITH NUM LT GY TO WHITE MM SCALE EQUANT CARB POSS AFTER OLIV LCLLY VAGUE CORRODED CM SCALE DK GRN OLIV ALTN TO SERP SOME OF WHICH SHOW REACTION RIMS DISS MT THROUGHOUT ROCK IS FG GRN CHLC WITH DISS MT FOR 6 INCHES ON UPPER CT AND THIS FG GRN CHLC PHASE OCCURS IN TWO OTHERS PLACES INDICATING CLOSE PROXIMITY TO A DIKE OLIVS ARE IN THE SHAPE OF HUSKY TABLETS	
0752.7	12.1		UM		30% UP TO 15 MM BY 5 MM PRISMATIC BLADES & HUSKY TABLETS OF DK GRN OLIV ALTN TO SERP MANY OF WHICH SHOW REACTION RIMS IN A FG GY TO DK GY	

DEPTH	LENGTH	SAMPLE#	ROCK	DESCRIPTION	ANG
				MTX OF MASSIVE STEATITE OLIVS BECOME SMALLER 1 TO 3 MM EQUANT TOWARD BOTH CTS OVER 6 INCHES LOWER CT SHARP 65 CA DISS PY LESS THAN 1%	
0755.2	2.5		UM	SCHTSE WITH MM SCALE BANDING TALC CARB SERP. MINOR RADIATING TREM DISS MT THROUGHOUT LT GY GRN FG MG LOWER CT BKEN & GROUND	65
0759.8	4.6		ARG	FG MG DK GY TO GRN BRN AMPB FSP MIND R QTZ ROCK SLLY SCHTSE ROCK BECOMES COARSER GRAINED MORE BIOTIC & AMPB TOWARD SHARP LOWER CT AT 60 CA	65
0760.7	0.9		QTE	ARKOSIC FG MG LT GY PINKISH SUGARY TEXT MAINLY QTZ FSP SOME CARB MINOR DIOP LOWER CT SHARP IRREGULAR WAVY 30 CA	
0768.4	7.7		AMPB	META ALTD UM CONTACT PHASE CG BRIGHT GRN RADIATING TREM UP TO 15 MM MINOR TALC LCLLY SLLY SCHTY 60 TO 70 CA LOWER CT GRADATIONAL AS SUNS TREM GRADUALLY DISAPPEAR & ROCK BECOMES MASSIVE STEATITE TRACE DISS PY LESS THAN 1%	65
0780.1	11.7		UM	50 TO 60% DK GRN EQUANT 5 MM OLIV ALTN TO SERP IN A FIBEROUS FG LT GY SILVERY MTX OF TALC OLIV HAVE A GRANULATED OUTLINE & APPEAR TO BE RELICS OF A CG DUNITE ALTN TO TALC LCLLY OLIV CONCENTRATED TO FORM PATCHES UP TO 5 CM UPPER CT GRADATIONAL & MARKED BY APPEARANCE OF CM SCALE PATCHES OF OLIV IN STEATITE LOWER CT SHARP SHRD 55 CA	
0781.9	1.8		UM	FG UNIFORM GY GRN TALC CHL SCH DISS FG MT 1% BOTH CTS SHARP SHRD LOWER AT 45 CA	
0792.6	10.7		UM	AS AT 780.1 LOWER CT GRADATIONAL OVER 2FT AS ROCK GRADES TO MASSIVE STEATITE FOLLOWER BY A 6 INCH BAND GRN CHL TALC SCH WITH FLKS BIOT & DISS MT 2% LOWER CT BKEN & GROUND	
0804.2	11.6		ARK	MG TO GG GY TO DK GY MASSIVE UNIFORM SCTD 2 MM FRAGS OF PLAG IN A SUGARY MTX OF PLAG QTZ BIOT TRACE K SPAR ALTN OF FSP TO SAUS OBSCURES ORIG TEXT PUSS TUFFACEOUS(Q)SCTD FRCTS OF QTZ CARB LOWER CT BKEN & GROUND 20% GROUND CORE UNIT IS CUT BY 1 FT MAFIC DIKE WITH 40% INCLS UP TO 4 CM OF FG QTZ & PLAG BOTH CTS SHARP	
0822.8	18.6		DIA	META MASSIVE MG DK GRN AMPB FSP MIND R QTZ BIOT ROCK UPPER CT IS FG DK GRN CHL SCH WITH SCTD BOOKS BIOT DIA CONTAINS 10 TO 20% LT GY INCLS OF QTZ AMPB AND PLAG AMPB THE INCLS ARE	

DEPTH	LE.	SAMPLE#	M. N	ROCK	DESCRIPTION	ANG
0843.4	20.6			DIA	IRREGULAR ROUNDED & RANGE FROM 5 MM TO 25 MM AS ABOVE ONLY NO INCLS SLLY SHTOSE UNIFORM BECOMES FINER GRAINED & CHLC	70
0848.2	4.8			UM	ON SHARP LOWER CT AT 70 CA GRADES FROM 2 INCH ZONE OF CG GRN SUNS OF TREM ON UPPER CT TO 1.4 FT ZONE OF MASSIVE STEATITE WITH DISS MT 1% AND THEN GRADUAL APPEARANCE & INCREASE TO 50% 5 MM SCALE DK GRN PRISMATIC & EQUANT OLIV ALTN TO SERP OLIV LCLLY CLOG TOGETHER TO FORM PATCHES UP TO 2 CM OLIVINES ABRUPTLY BECOME SMALLER MM SCALE WITH THEIR DISAPPEARANCE ON A SHARP WAVY 45 CONTACT WITH STEATITE AT 847.2 THE STEATITE IS SHTOSE WITH MM SCALE BANDING & GRADES TO 2 INCH BAND OF CG GRN TREM SUNS FOLLOWED BY 1 INCH BAND OF BIOT CHL SCH ON SHARP LOWER CT AT 55 CA	50
0849.1	0.9			ARK	AS AT 804.2 DK GY FG MG UNIFORM SUGARY TEXT	
0850.3	1.2			UM	DIKE SYMMETRICAL FROM BOTH SHARP CTS ROCK IS DK BRN BIOT CHL SCH FOR 2 INCHES ON BOTH CTS AND THEN A SHARP 50 CT TO CG GRN SUNS OF TREM FOR 2 INCHES & THEN FG GY GRN MASSIVE STEATITE IN CENTER PORTION LOWER CT IS SHARP IRREGULAR CROSS CUTTING	55
0874.5	24.2			RHY	RHYD OCT LT GY NUMS 2 MM EUBEDRAL PHENOS OF QTZ K SPAR & SOME OF PLAG IN A FG MASSIVE UNIFORM LT GY SUGARY MTX OF QTZ K SPAR & PLAG RARE FLKS BIOT & CUBE PY SCTD HAIRLINE FRCTS CHL ALTN OF FSP & RECRYSTALIZATION HAS DESTROYED MUCH OF ORIG TEXT LOWER CT GROUND PROB SHARP	
0878.6	4.1			UM	STEATITE LT GY MG MASSIVE FIBEROUS TEXT MAINLY TALC CARB SERP WITH SCTD 5 MM SCALE RADIATING NEEDLES OF TREM UPPER CT MARKED BY 5 INCH BAND GPN MASSIVE CM SCALE SUNS OF TREM LOWER CT GRADATIONAL OVER 2 INCHES 50% GROUND & LC DISS MT 1%	
0880.2	1.6			UM	25% UP TO 5 MM BY 2 MM PRISMATIC DK GRN CORDED OLIV ALTN TO SERP IN A FG LT GY FIBEROUS TEXT TALC MTX DISS MT THROUGHOUT	
0881.8	1.6			UM	CONTACT ALTN ZONE ROCK CHANGES FROM MASSIVE FIBEROUS STEATITE TO CM SCALE SUNS OF TREM ON SHARP 80 CA CT TO DK GRN CHL SCH WHICH GRADUALLY BECOMES BIOTITIC TO BIOT SCH ON SHARP 85 CA CONTACT AGAINST A CM SCALE BAND	

DEPTH LENGTH SAMPLE# MNZN ROCK

DESCRIPTION

ANG

MASSIVE FIBROUS STEATITE TO CM SCALE
 F SUMS OF TCFM ON SHARP TO CA CT TO
 DK GRN CHL SCH WHICH GRADUALLY BECOM
 ES BIOTITIC TO BIRT SCH ON SHARP 95
 CA CONTACT AGAINST A CM SCALE BAND
 OF LT GY FG SUGARY TEXT PLAG QTZ MIN
 OR AMPB POSS INCLS OF NARROW DIKE
 SEQUENCE REVERSES TOWARD GRADATIONAL
 LOWER CT

0890.6 8.8 UM

25% 5 MM SCALE PRISMATIC & EQUANT
 DK GRN OLIV ALTH TO SERP IN A FG LT
 GY MTX OF TALC CARB SERP DISS MT GRA
 DUALY DOWNHOLE OLIV BECOME LT GRN
 MORE COMPLETELY ALTD & ROCK DEVELOPES
 HAIRLINE CM SCALE FRCTS & STRS OF MT
 WHICH IS A PRODUCT OF ALTN OF OLIV

0901.2 10.6 UM

65 TO 90% CG EQUANT OLIV ALTD TO
 GRN TO LT GRN WAXY SERP IN A MTX OF
 TALC CARB DISS MT ROCK APPEARS SHRD
 WITH NUMS STRS MT ROCK IS STGL MTC
 LCLLY MTX IS CARB RICH

0911.3 10.1 UM

AS AT 901.2

0919.1 7.8 UM

30% 5 TO 10 MM DK GRN EQUANT OLIV IN
 A LT GY FG STEATITE MTX WITH DISS MT
 OLIVS CLOG TOGETHER TO FORM A 4 INCH
 GLOMOPORPH AT 917.5 WITH 5 MM SCALE
 INTERSTITIAL BLS MT PO PN QU OVER
 LAST FT CT GRADATIONAL CT OLIVS BECO
 ME PRISMATIC 15 MM BY 2 MM

0921.8 2.7 UM

TS C-75-1221 @ 917.5' SKPTZD PROT
 MASSIVE FG GY TO DK GY STEATITE DISS
 FG MT 1% SHRD WITH CARB VEINING 45
 CA AT 920.0 LOWER CT GRADATIONAL

0922.3 0.5 UM

30% TO 15 MM BY 4 MM PRISMATIC
 DK GRN OLIV IN A FG LT GY STEATITE
 MTX NUM MM SCALE ROUND LT GY CARB
 BLS POSS AFTER OLIV BOTH CTS GRADAT
 IONAL TO STEATITE

0926.0 3.7 UM

GRADUAL APPEARANCE & INCREASE TO 40%
 1 TO 3 MM EQUANT & PRISMATIC DK GRN
 OLIV ALTN TO SERP IN A FG LT GY GRN
 TALC CARB MTX OLIV LCLLY CLOG TOGETH
 ER TO FORM 2 TO 3 INCH PATCHES MUCH
 OF OLIV IS ALTD TO MM SCALE LT GY TO
 WHITE CARB

0935.7 9.7 UM

30% 3 TO 5 MM EQUANT DK GRN OLIV ALT
 N TO SERP IN A FG LT GY TALC CARB
 MTX DISS IT 1% SCTD CM SCALE CARB
 VEINING

0944.1 8.4 UM

AS AT 935.7 INCREASE IN % OLIV TO
 40% 5 MM EQUANT WITH INTERSTITIAL
 MTX TALC CARB ROCK IS SLLY SHRD OVER
 2 INCHES CM SHARP LOWER CT MINOR SUL
 P PO PY PNOO IN THIS INTERSTITIAL
 MTX OVER LAST 5 INCHES SIMILAR TO

DEPTH	LE	H	SAMPLE#	M	N	ROCK	DESCRIPTION	ANG
0953.5	1.5					UM	& SERP CARB VEINING AT 950.0 5 MM SCALE WHITE EUHEDRAL CARB IN MASSIVE FG STEATITE ON LOWER CT	
0956.2	2.7					UM	30% 2 TO 5 MM EQUANT DK GRN OLIV ALT N TO SERP IN A FG LT GY STEATITE MTX BOTH CTS GRADATIONAL	
0959.9	3.7					UM	30% 5 MM BY 2 MM DK GRN PRISMATIC DK GRN OLIV FORMING RAGGED CM SCALE GLOMOPORPH PATCHES IN A FG TALC MTX ROCK IS SHRD WITH SERP CARB VEINING ON LOWER CT	
0962.5	2.6					UM	40 TO 70% DK GRN 5 TO 10 MM EQUANT OLIV ALTN TO WAXY SERP IN A FG LT GY DK GY TALC CARB MTX OLIV BECOME MORE ABUNDANT DOWNHOLE & AT 959.5 WHERE THEY ARE TIGHTLY PACKED 5 MM SCALE INTERSTITIAL SPACES OF TALC CARB CONTAIN DISS PY PO PN Q LESS THAN 1% AS AT 917.5 LCLLY SHRD	
0972.5	10.0					UM	30% PRISMATIC & EQUANT 5 MM SCALE DK GRN OLIV IN A DK GY GRN SERP TALC CARB MTX ROCK IS SHRD & CONTORTED WITH CARB SERP VEINING LOWER CT SHARP & MARKED BY SERP VEIN 45 CA	
0978.1	5.6					UM	STEATITE MASSIVE DK GY TO GY FG TALC CARB WITH 2 TO 3% VAGUE 3 MM PRISMATIC DK GRN OLIV SCTD THROUGHOUT DISS FG MT 1% SCTD FRCTS WITH CHL & STRS	
0979.8	1.7					UM	OF LT GY CARB ROCK HAS A FIBEROUS TEXT & IS CUT BY A 8 INCH BAND DK GY FG UNIFORM EQUIGRANULAR COMPLETELY ALTD TO TALC DISS PY 1% BOTH CTS SHARP 85 CA AT 967.5 & A 4 INCH BAND ON LOWER CT	
0983.5	3.7					UM	20% 5 TO 8 MM PRISMATIC & EQUANT DK GRN OLIV IN A FG TALC MTX LOWER CT GRADATIONAL OVER 2 INCHES	
0986.4	2.9					UM	MASSIVE STEATITE FG GY SCTD SUNS OF GRN TREM ON SHARP LOWER CT AT 25 CA CM SCALE TREM FG DISS MT	
0988.2	1.8					SCH	CT ZONE DK GY GRN FG UNIFORM CHL MIN 55 OR TALC SCH LOWER CT HKEN & GROUND ROCK IS WKLY OR NON MTC	
0992.4	4.2					BSLT	STEATITE MASSIVE LT GY GRN FG WITH SCTD CM SCALE SUNS OF LT GRN TREM THROUGHOUT ROCK BECOMES MASSIVE GRN TREM OVER 3 INCHES ON BOTH CTS LOWER CT SHARP 45 CA	
							CHL ALTD UM Q FG GRN UNIFORM 5% DISS 50 TRAINS & STRS MT LOWER CT SHARP 50 CA	
							POSS PRDT DK GRN TO BK FG STUBBY AMP B' AFTER PYX MINOR BIOT CHL DISS MT THROUGHOUT 2% LITTLE OR NO FSP ROCK IS FRIABLE BIOT SCH ON UPPER CT	

DEPTH	L	TH	SAMPLE#	WZN	ROCK	DESCRIPTION	ANG
0992.4	4.2				BSLT	TRAINS & STRS MT LOWER CT SHARP 50 CA POSS PROT DK GRN TO BK FG STURBY AMP AFTER PYX MINOR BIOT CHL DISS MT THROUGHOUT 24 LITTLE CR NO FSP ROCK IS FRIABLE BIOT SCH ON UPPER CT 50 CA LOWER CT GRADATIONAL OVER 2 INCHES	
0994.6	2.2				SCH	FG GRN CHLC WITH 5X UP TO 3 MM DISS MT LOWER CT SHARP 70 CA ROCK HAS FACTS WITH MT & IRREGULAR TRAINS OF DISS MT OVER FIRST FT	60
1003.5	8.9				BSLT	META OLIV BSLT DK PROT FG MG DK GRN DK MASSIVE FIBROUS STURBY AMPB IN A MTX OF SERP CHL TRACE BIOT AS AT 992.4 ONLY QUARTZ GAINED ROCK BECC MFS SLLY SCHTY & LT GRN OVER 1 FT TO BKEN & GROUND LOWER CT	
1015.9	12.4				UM	STEATITE MG UNIFORM MASSIVE GY FIBER OUS TEXT MAINLY TALC MINOR CARB SERP ORIG TEXT COMPLETELY DESTROYED ROCK IS LGLLY SHRD WITH CARB VEINING PARE CN SCALE SUNS TREM ON UPPER CT SCTD SUNS OF TREM OVER LAST 6 INCHES TO SHARP LOWER CT MARKED BY 1 INCH BAND OF BIOT SCH AT 50 CA	
1020.5	4.6				PRPH	QTZ FSP 20X 1 TO 2 MM EUBEDRAL TO SUBHEDRAL PHENOS OF LT GY QTZ & LT GY TO WHITE K SPAR IN A FG SUGARY TEXT MTX OF QTZ PLAG WITH TRACE OF BIOT & VERY RARE CUBE BY BOTH CTS SHARP 60 CA A DIKE ROCK	
1022.5	2.0				PRDT	META LARGE UP TO 5 MM POIKILITIC PLATES OF AMPB AFTER PYX ENCLOSING 0.5 MM ROUND SERP IN A MTX OF CHL PLAG SERP & MINOR QTZ ROCK IS UNIFORM MASSIVE DK GY TO DK MINOR CARB THR OUGH MTX TALCUSE WD MTX HAS FIBROUS S SOFT TEXT LOWER CT SHARP 60 CA IS C-75-1222 & 1022 SHARP (Q)	
1023.6	1.1				PRPH	AS AT 1020.5 ONLY K SPAR PHENOS LESS CLEARLY DEFINED LOWER CT SHARP 52 CA	
1024.2	0.6				DIKE	MAFIC AS AT 1022.5 ONLY NOT AS CG ROCK IS MASSIVE UNIFORM BOTH CTS VER Y SHARP WITH NO VISIBLE ALTN OR TEXT CHANGE LOWER CT SHARP 63 CA	
1030.5	14.3				PRPH	30X 1 TO 3 MM EUBEDRAL PHENOS OF QTZ 80 K SPAR & SOME OF PLAG IN A FG SUGARY MTX OF PLAG QTZ TRACE BIOT WK FCTN 80 CA LOWER CT SHARP 65 CA POSS RHYD DGT	
1040.1	1.6				UM	STEATITE LT GY FG MG MASSIVE CUT BY LT GY CARB VEINING UPPER CT MARKED BY 5 INCH GRN BAND CN SCALE SUNS OF TREIN IN A TALC MTX SIMILAR ON LOWER	

DEPTH	LE	SAMPLE#	MIN. ROCK	DESCRIPTION	ANG
1042.7	0.5		SCH	GRAINS WHICH MAY REPRESENT RECRYSTALIZED QTZ PHENOS WK FOTN 80 CA LOWER CT VERY SHARP PARTIALLY GROUND BIOT FG MG UNIFORM DK BRN BLACK MAIN 80	
1047.6	4.9		UM	LY BIOT MINOR CHL LOWER CT VERY SHARP 79 CA TALC CARB FG MG LT GY ROCK IS MAINLY 75 TALC WITH SCTD CM SCALE SUNS OF LT GRN TREM ON BOTH CTS CENTER OF SECTION ON ROCK IS MAINLY CARB MINOR SERP & HAS A MG GRANULAR SLLY SCHOSE TEXT SCTD LT GY TO WHITE CARB VEINS LOWER CT BKEN & GROUND PROB SHARP BIOTITIC DISS MT THROUGHOUT	
1052.3	4.7		DCT	TO RHYD DCT PHENOS OF QTZ PLAG & K SPAR IN A FG SUGARY MTX OF PLAG QTZ & K SPAR MANY OF PHENOS SUBHEDRAL 1 TO 3 MM RECRYSTALIZATION & ALTN OF FSP TO SAUS HAS DESTROYED MUCH OF ORIG TEXT SLIGHT FOTN 75 CA POSS TUFFACEOUS MINOR FLKS BIOT & SER PRPHIC TEXT DISAPPEARS TOWARD UPPER CT LOWER CT SHARP CROSS CUT 70 CA	
1052.9	0.6		DIKE	MG LT GY PLAG WITH FLKS BIOT CUT BY 1 INCH MASSIVE WHITE QTZ VEIN LOWER CT SHARP 75 CA	
1053.7	0.8		DCT	AS AT 1052.3 ROCK BECOMES FG OVER LAST 2 INCHES TO SHARP LOWER CT AT 65 CA	
1054.6	0.9		ARG	MG DK GY BK UNIFORM SCHOSE BOTH CTS SHARP WITH MINOR CARB BANDS MAINLY BIOT AMPB FSP & QTZ LOWER CT SHARP 85 CA	80
1061.0	6.4		RHYD	DCT NUMS 1 TO 2 MM LT GY EUHEDRAL PHENOS OF K SPAR & QTZ IN A FG LT GY TO BUFF MTX OF QTZ PLAG TRACE OF BIOT & SER RECRYSTALIZATION & ALTN OF FSP TO SAUS HAS DESTROYED MUCH OF ORIGINAL TEXT BUT MANY OF FSPS RETAIN THEIR EUHEDRAL LATH OUTLINE LOWER CT VERY SHARP CLEAN SLLY IRREGULAR 55 CA GRADUALLY DOWNHOLE FROM UPPER CT PHENOS BECOME MORE NUMS & MTX A LIGHTER COLOR SCTD CM SCALE CLOTS BK ARG MATERIAL AS AT 1054.6 OVER 2 FT FROM UPPER CT TOPS DOWNHOLE TO SOUTH	
1062.3	1.3		DCT	FG LT GY WK FOTN SUGARY TEXT PLAG QTZ MINOR K SPAR & SCTD FLKS OF SER BOTH CTS SHARP LOWER AT 80 CA	70
1073.4	11.1		RHYD	DCT TUFF NUMS STRETCHED 5 MM SCALE LT GY AUGEN LIKE FRAGS OF PLAG & QTZ IN A FG SUGARY MTX OF QTZ PLAG K SPAR SCTD FLKS BIOT & SER ROCK IS FG DK GY WITH FEW FRAGS OVER FIRST 2 FT THEN GRADUALLY LIGHTER MORE FRAGS &	80

DEPTH	LENG.	SAMPLE#	ROCK	DESCRIPTION	ANG
1114.0	40.6		DIKE	DEVELOPES WK FOTN 80 CA LOWER CT SHA RP 65 CA MAFIC META MG TO CG DK GY TO DK GRN FIBEROUS TEXT UNIFORM VERY WK FOTN	75
1117.9	3.9		DCT	MAINLY FIBEROUS DK GRN AMPB FLKS BIOT & MINOR CHL AMPHIBOLITE 8 INCH INCLS OF FG LT GY MAINLY CARB SERP INCLS OF UM BOTH CTS SHARP LOWER CT OF THIS UNIT SHARP 54 CA SCTD MM SCALE BLBS FSP OVER LAST FT DUE TO ASSIMILATION OF FSPIC MATERIAL BY DIKE	
1145.8	27.9		DCT	LT GY FG MASSIVE UNIFORM PLAG QTZ WITH FG DISS ACCESSORY MT & CUBES PY LOWER CT SHARP 53 CA	75
1150.8	5.0		DCT	TO RHYO DCT TUFF UP TO 5 MM AUGEN LIKE FRAGS OF PLAG & QTZ IN A FG MG SUGARY GY MTX OF QTZ PLAG K SPAR WITH H SCTD FLKS BIOT AMPH FOTN 75 TO 80 CA FSP IS ALTN TO SAUS LCLLY MM SCALE BANDING	75
1154.4	3.6		UM	TUFF AS AT 1145.8 ROCK BECOMES FG OVER LAST 2 FT TO SHARP LOWER CT AT 70 CA	
1155.8	1.4		DIA	STEATITE MASSIVE MG LT GY FIBEROUS TEXT UPPER CT MARKED BY 4 INCH ZONE CM SCALE SUNS OF TREM IN STEATITE LOWER CT SHARP 60 CA	
1167.5	11.7		UM	FG MG DK GY BIOTITIC AMPB FSP ROCK BOTH CTS SHARP CHLC WITH DISS MM SCALE MT LOWER CT SHARP 90 CA	75
1170.0	2.5		DIKE	STEATITE AS AT 1154.4 LT GY TALC SERP CARB LCLLY WK MM SCALE BANDING CA DISS MT THROUGHOUT SCTD LT GY WHITE BLBS CARB ROCK IS CUT BY 3 TWO TO SIX INCH BANDS FG DK GRN CHL SCH WITH SHARP CTS META MAFIC DIKES	
1178.0	8.0		UM	MAFIC MG DK GRN TO BLACK MASSIVE FIBEROUS TEXT UP TO 5 MM RADIATING DK GRN NEEDLES OF AMPB IN A MG FLKY MTX CHL MINOR BIOT FINER GRAINED OVER 2 INCHES TO BOTH SHARP CTS AT 80 CA	75
1182.8	4.8		DCT	AS AT 1167.5 LOWER CT SHARP 75 CA & MARKED BY 2 INCH BAND BIOT CHL SCH AT 75 CA	
1184.4	1.6		UM	TUFF POSS ARK QQQ FG MG GY NUMS VUGS MAINLY PLAG QTZ WITH FLKS BIOT & NEEDLES OF AMPB SCTD 1. MM BY 5 MM CLOTS BIOT CHL ORIENTATED PARALLEL TO WK FOTN 75 CA LOWER CT SHARP & MARKED BY 1 INCH BAND BIOT SCH 65 CA VUGS CONTAIN CARBONATE TRACE DISS PY MT STEATITE LT GY MG MASSIVE FIBEROUS TEXT SCTD SUNS OF TREM IN TALC MTX ON BOTH SHARP CTS LOWER CT BKEN PART IALLY GROUND 85 CA	

DEPTH	LEN	SAMPLE#	ROCK	DESCRIPTION	ANG
1186.1	1.1		DIA	MG DK GY GRN MASSIVE AMPB FSP MINOR BIOT ROCK BECOMES FINER GRAINED BIOT ITIC TOWARD UPPER CT & LOWER CT SHARP AT 70 CA	
1186.7	0.6		PRPH	1 TO 2 MM EUHEDRAL PHENOS OF WHITE PLAG & GY QTZ IN A DK GY MTX OF PLAG QTZ SCTD FLKS BIOT & SER LOWER CT SHARP 75 CA POSS THIS IS INCL IN DIABASE	
1190.4	3.7		DIA	MG DK GY GRN MASSIVE UNIFORM AMPB FSP MINOR BIOT SCTD STRS QTZ CARB ROCK GRADUALLY GOES TO CHL SCH WITH BLACK NEEDLES OF AMPB & MM SCALE DIS S MT OVER 4 INCHES TO SHARP LOWER CT AT 65 CA	
1195.1	4.7		UM	STEATITE FG MG LT GY UNIFORM LCLLY SLLY SCHTY & MM SCALE BANDING MAINLY TALC SERP CARB WITH SCTD CM SCALE SUNS OF TREM TOWARD LOWER CT WHICH IS MARKED BY A 3 INCH BAND MG CG FLK Y CHL BIOT SCH LOWER CT SHARP 72 CA	80
1200.0	4.9		RHYO	DCT FG GY MASSIVE UNIFORM SUGARY TEXT PLAG K SPAR & QTZ ROCK IS MTC DUE TO ACCESSORY MT LOWER CT SHARP 75 CA	
1203.5	3.5		RHYO	DCT AS ABOVE	
1208.0	4.5		RHY	PORPHYRITIC LT GY TO PK BUFF NUMS PHENOS OF K SPAR & QTZ IN A FG SUGARY LT GY MIX OF PLAG QTZ & K SPAR TRACE OF BIOT RECRYSTALLIZATION HAS DESTROYED MUCH OF ORIG TEXT SCTD FRCTS WITH BIOT & CHL LOWER CT SHARP 60 CA	
1233.0	25.0		ARG	MG DK GY BRN SCHTOSE & MM SCALE BANDING 60 TO 70 CA MAINLY AMPB NEEDLES BIOT FLKS CHL & MINOR QTZ FSP SCTD MM SCALE LT GY WHITE BLBS OF QTZ PLAG OVER 4 FT FROM UPPER CT ROCK IS GRN CHLC ON SHARP LOWER CT AT 70 CA A 4 INCH LENSE OF AKK POSS TUFF AT 1232.0	65
1240.0	7.0		DCT	TUFF UP TO 5 MM ROUND LT GY QTZ 3 STRETCHED AUGEN LIKE LT GY TO WHITE PLAG IN A FG MG DK GY SUGARY MIX OF QTZ PLAG MINOR K SPAR & SCTD FLKS BIOT SCTD FRCTS WITH CARB 25% FRAGS OF QTZ & PLAG LOWER CT GRADATIONAL AS FRAGS GRADUALLY DISAPPEAR INDICATING TOPS TO SOUTH	75
1243.8	3.8		DCT	TUFF AS ABOVE FG DK GY FEW SCTD QTZ PLAG STRETCHED FRAGS DISAPPEARING TOWARD SHARP LOWER CT AT 65 CA LOWER CT MARKED BY 1 INCH BAND BIOT SCH	
1252.3	8.5		UM	STEATITE LT GY FG MG FIBROUS TEXT MAINLY TALC SERP CARB LCLLY MM SCALE	

DEPTH	L	H	SAMPLE#	M.	N	ROCK	DESCRIPTION	ANG
							BANDING WHERE ROCK IS CARB RICH UPPER CT MARKED BY 2 INCH BAND OF CHL SCH FOLLOWED BY SCTD SUNS OF TRE M IN TALC MTX OVER 6 INCHES ALSO SUNS OF TREM ON LOWER CT WHICH IS BKEN & GROUND	
1257.5		5.2				ARK	ARGILLACEOUS FG MG DK GY SUGARY MAIN LY PLAG WITH QTZ & NUMS NEEDLES OF DK GRN AMPB & FLKS BIOT ROCK IS FRCT WITH CHL BIOT ON FRCT PLANES BOTH CT S BKEN & GROUND & MARKED BY BANDS OF BIOT SCH	
1258.8		1.3				UM	STEATITE MG MASSIVE FIBEROUS TEXT LT GY MAINLY TALC MINOR SERP CARB SCTD CM SCALE SUNS OF TREM ON BOTH CTS LOWER CT SHARP 75 CA	
1261.2		2.4				SCH	CHL FG GRN WITH SCTD MM SCALE DISS MT BECOMING AMPHIBOLIC TOWARD SHARP LOWER CT MARKED BY 1 INCH BAND BIOT SCH AT 80 CA	
1275.0		13.8				DIA	MG DK GRN MASSIVE AMPB FSP ROCK WITH SCTD HACKY FRCTS OF QTZ ROCK BECOMES FINER GRAINED OVER 3 FT TOWARD BOTH CTS LOWER CT SHARP 45 CA	
1288.8		13.8				DIA	AS ABOVE	
1289.3		0.5				SCH	CHL FG GRN DISS UP TO 2 MM MT 2% LOW 45 ER CT SHARP 45 CA	
1290.2		0.9				UM	STEATITE MASSIVE FG MG GY UPPER CT SHARP & MARKED BY 6 INCH BAND GRN 5 MM SCALE SUNS OF TREM LOWER CT GRADA TIONAL	
1291.2		1.0				UM	10% UP TO 2 CM BY 5 MM PRISMATIC BLA DES & HUSKY TABLETS DK GRN OLIV ALTN TO SERP IN A LT GY TALC CARB MTX LOW ER CT MARKED BY 2 INCH WHITE CARB VEIN	
1292.0		0.8				UM	25% 5 TO 8 MM BLADES & EQUANT OLIV DK GRN ALTN TO SERP IN A GY STEATITE MTX LOWER CT GRADATIONAL	
1298.2		6.2				UM	30% 2 TO 5 MM EQUANT DK GRN OLIV ALT N TO SERP IN A LT GY GRANULAR SERP CARB TALC MTX OLIV LCLLY CLOG TOGETH ER TO FORM GLOMOPORPHS UP TO 15 MM	
1301.7		3.5				UM	20% UP TO 2 CM HUSKY TABLETS & RAGGE D EQUANT PATCHES OF DK GRN TO BK OLI V ALTN TO SERP IN A STEATITE MTX SCTD IRREGULAR FRCTS WITH WHITE CARB	
1303.0		1.3				UM	STEATITE MG GY FIBEROUS TEXT SCTD UP TO 2 CM SCALE SUNS OF TREM LOWER CT SHARP 75 CA	
1303.3		0.3				SCH	CHL FG GRN DISS MT UP TO 2 MM 2% SCT 75 D FLKS BIOT LOWER CT GRADATIONAL	
1304.0		0.7				DIA	META MG DK GY GKN SCLTUSG AMPB FSP 75 BIOT LOWER CT SHARP BIOTITIC 75 CA	
1304.4		0.4				SCH	CHL SCTD FLKS BIOT AS AT 1303.0 BOTH 75	

DEPTH	L	IN	SAMPLE#	M.	N	ROCK	DESCRIPTION	ANG
1305.4	1.0					UM	CTS BIOTITIC LT GRN SERP TREM SCH FG LOWER CT SHA 75 RP 75 CA	
1306.0	0.6					SCH	CHL BIOTITIC AS AT 1303.0 LOWER CT GRADATIONAL	
1311.6	5.6					DIA	META FG MG DK GY GRN SLLY SCHTY UNIF ORM AMPD FSP MINOR BIOT LOWER CT BKE N GRADATIONAL BIOTITIC	
1312.0	1.0					SCH	CHL AS AT 1303.0 BIOTITIC DISS MT 27 LOWER CT SHARP 70 CA	
1313.2	0.6					UM	STEATITE LT GY MG FIBEROUS TEXT 5 MM SCALE SUNS OF TREM ON UPPER CT LOWER CT GRADATIONAL & MARKED BY APPEARANC E OF RAGGED PRISMATIC OLIV	
1318.4	5.2					UM	30% DK GRN UP TO 2 CM BY 5 MM PRISMA TIC DK GRN OLIV ALTN TO SERP IN A GY GRN SERP TALC MTX ROCK IS SHRD & FRC T WITH SERP CARB VEINS	
1327.0	0.6					UM	35% 5 TO 10 MM EQUANT DK GRN DK OLIV ALTN TO SERP IN A LT GY TO WHITE TAL C CARB SERP MTX SCTD FRCTS WITH WHIT E CARB VEINS LOWER CT SHARP & MARKED BY 5 MM CARB VEIN AT 45 CA	
1328.3	1.3					UM	30% 1 TO 3 MM EQUANT OLIV IN A FG LT GY TALC MTX LOWER CT GRADATIONAL OVE R 2 INCHES	
1330.6	2.3					UM	10% PRISMATIC UP TO 2 CM BY 4 MM DK GRN OLIV IN A FG GY TO LT GY TALC MTX OLIVS BECOME SMALLER TOWARD SHAR P 85 CA LOWER CT ROCK IS SLLY SHRD WITH CARB VEINING AT 1328.8	
1333.2	2.6					SCH	CHL FG DK GY GRN TALCOSE UNIFORM BOT 85 HS CTS SHARP LOWER 85 CA WKLY MTC	
1355.4	22.2					UM	20 TO 35% 5 TO 10 MM DK GRN PRISMATI C & EQUANT OLIV ALTN TO SERP IN A LT GY TO GRN TALC SERP CARB MTX ROCK IS LCLLY SHRD WITH SERP CARB VEINING LOWER CT SHARP 85 CA 45% GROUND CORE	
1359.5	4.1					SCH	CHL SERP FG DK GY GRN UNIFORM 1% DIS 65 S FG MT LOWER CT BKEN & GROUND	
1367.5	8.0					UM	AS AT 1355.4 LOWER CT GRADATIONAL	
1380.0	12.5					UM	25 TO 30% 2 TO 5 MM DK GY GRN GRANUL AR EQUANT OLIV IN A LT GY FLKY TALC MTX LCLLY SHRD & CUT BY GY CM SCAL E CARB VEINS ROCK IS ESSENTIALLY UNIFORM 1% DISS MT THROUGHOUT	
1395.0	15.0					UM	AS AT 1380.0	
1410.0	15.0					UM	AS AT 1380.0	
1425.0	15.0					UM	AS AT 1380.0	
1440.0	15.0					UM	AS AT 1380.0	
1450.6	10.6					UM	AS AT 1380.0 OLIV UP TO 15 MM WITH FG GY TALC MTX SLLY SHRD WITH CARB VEINING OVER LAST 3 FT LOWER CT SHAR P & MARKED BY 1 INCH CARB VEIN AT 30 CA	

DEPTH	LE	SAMPLE#	M.	N	ROCK	DESCRIPTION	ANG
1452.2	1.6				SCH	CHL FG DK GRN BOTH CTS SHARP & ROCK IS BIOTITIC IN CENTER OF SECTION DISS MM SCALE MT 1% LOWER CT GROUND	
1465.0	12.8				UM	20% DK GY GPN 10 TO 15 MM EQUANT GRA NULAR OLIV IN A TALC MTX GRADUALLY DOWNHOLE OLIV LODSE THEIR GRANULAR APPEARANCE & BECOME WAXY DK GRN ALTD TO SERP	
1465.5	0.5				UM	15% DK GRN PRISMATIC BLADES OLIV IN A LT GY STEATITE MTX OLIV UP TO 5MM	
1466.0	0.5				UM	UP TO 3 CM DK GRN GLO PURPHS OF 8 MM SCALE EQUANT GRANULAR OLIV IN A FG STEATITE MTX	
1466.8	0.8				UM	STEATITE FG LT GY LOWER CT SHARP & MARKED BY 8 MM SCALE SUNS OF TREM	
1467.1	0.3				SCH	CHL FG DK GRN BIOTITIC ON BOTH CTS	
1468.3	1.2				ARK	LOWER CT SHARP 65 CA FG LT GY MASSIVE UNIFORM FG PLAG QTZ WITH RARE FG NEEDLES OF AMPB & FLKS UF BIOT BOTH CTS VFRY SHARP UPPER 60 CA & LOWER 65 CA BOTH CTS MARKED BY 2 INCH BANDS OF MG BRN BIOT SCH POSS	
1473.4	5.1				UM	INCLS IN UM STEATITE MG LT GY FIBEROUS TEXT TALC SERP CARB BOTH CTS SHARP WITH SCTD	
1474.9	1.5				ARK	CM SCALE SUNS OF TREM LOWER CT 75 CA ARGILLAGEOUS FG MG GY TO DK GY SUGAR Y TEXT MAINLY PLAG QTZ WITH ABUNDANT	80
1479.3	4.4				UM	FLKS BRN BIOT WK FOTN ROCK IS UNIFORM WITH BOTH SHARP CTS MARKED BY 2 INCH BANDS MG BRN BIOT SCH STEATITE MG LT GY FIBEROUS TEXT LCLL	75
1484.3	5.0				QTE	Y SLLY SCHTY MAINLY TALC SERP CARB BOTH CTS SHARP & MARKED WITH 5 MM SUNS OF TREM FOLLOWED BY 1 INCH BAND S DK GRN CHL SCH ON CT LOWER CT SHARP 80 CA	
1495.0	10.7				QTE	FG GY TO DK GY FSPIC WITH PLAG TRACE OF K SPAR OVER FIRST 2 FT SLLY SCHTY WITH MM SCALE BANDING MINOR SER & BIOT FLKS LOWER CT GRADATIONAL LESS THAN 20 CPS	75
						SERICITIC & SHTOSE FG LT GY TO GY LCLLY MM SCALE BANDING WHERE ROCK IS BIOTITIC SCTD FRCTS WITH BIOT & CHL ON FRCT PLANES GIVE THE ROCK A VAGUE PEBBLY APPEARANCE ROCK IS MAINLY QTZ SER MINOR PLAG FSP GRADUALLY LESS DOWNHOLE FOOT OF HOLE	

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE CHK'D.....
 54418-0 SAKAMI PROJECT 33F2W 01250 168 00 18000 -50 00 S000950 W006000 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -43 45 0400 -34 30 0600 -31 15 0800 -27 15
 1000 -25 30 1250 -23 00

COMMENTS

LOGGED BY..A M GALLOP STARTED..FEB 17, 1975 COMPLETED..FEB 27, 1975
 DRLD BRAD BROS AQ CORE ON PER 547 ZONE 3 & 4 WATER FROM CREEK
 700 FT 86 FT OF NW CSG & SHOE LOST IN HOLE

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0088.0	88.0			OVERBURDEN NW CS TO 88 FT AW CS TO 88 FT SAND GVL & BLDGS	
0107.0	19.0	QTE		SERICITIC LT GY TO WHITE WITH YELLOW ORANGE TINT FG UNIFORM RARE SCTD FRC TS OF BIOT LESS THAN 20 CPS WK INDIS TINCT FOTN IMPARTED BY SHEARING SE RICITE 15 TO 25 CA	20
0146.4	39.4	QTE		FG MG SERICITIC & BIOTITIC LT GY TO GY WITH 1 TO 2 FT ZONES WITH YELLOW SH TINT FRCT HACKY APPEARANCE DUE TO FRCTS WITH CHL BIOT & SCTD QTZ VFINS VAGUE PEBBY APPEARANCE FOR 6 INCHES AT 127.0 LESS THAN 20 CPS FOT N VAGUE CONTORTED	40
0156.8	10.4	QTE		SERICITIC FG MG LT GY TO WHITE WITH YELLOW TINT UNIFORM RARE SCTD FLKS OF BIOT RARE SCTD MM SCALE SPKS ORAN GE BRN IRON STAINING	35
0159.2	2.4	QTE		FG MG LT GY TO GY BIOTITIC & SERICIT IC SCTD FRCTS WITH BIOT & CHL & QTZ VEINING GIVE THE ROCK A PSEUDO PEBBL E APPEARANCE FOTN VARIES 30 TO 40 CA	35
0162.0	2.8	QTE		AS AT 156.8 LT GY YELLOW TINT	40
0162.5	0.5	QTE		AS AT 159.2 BIOTITIC WITH CHL BIOT ON FRCTS	40
0170.8	8.3	QTE		AS AT 156.8 CLEAN	40
0174.1	3.3	QTE		AS AT 159.2 BIOTITIC & FRCT CM SCALE BANDING 30 TO 40 CA	40
0184.3	10.2	QTE		AS AT 156.8 CLEAN	40
0185.2	0.9	QTE		AS AT 159.2 BIOTITIC	40
0187.6	2.4	QTE		AS AT 156.8 CLEAN	40
0192.0	4.4	QTE		AS AT 159.2 CM SCALE BANDING WITH BIOT & ARGILLACEOUS BANDS	40
0195.5	3.5	QTE		AS AT 156.8 CLEAN YELLOWISH ORANGE TINT	40
0199.7	4.2	QTE		AS AT 159.2 CM SCALE BANDING WITH BIOT & ARGILLACEOUS BANDS LOWER CT	40

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0208.5	8.8	GWKE		SHARP 50 CA META POSS MTDB MG DK GY GRN SHTOSE LCLLY WITH MM SCALE BANDING MAINLY AMPB FSP MINOR BIOT QTZ ROCK BECOMES CHLC OVER LAST 1.5 FT TO SHARP LOWER CT AT 40 CA 2 INCH WHITE CARB VEIN AT 207.3	45
0218.0	9.5	QTE		SERICITIC & BIOTITIC FG MG DK GY TO GY SHTOSE LCLLY CM SCALE BANDING RARE ISOLATED 2 CM BY 5 MM VAGUE QTZ PEBS WHICH APPEAR AS BNDS PARALLEL TO FOTN ROCK GRADUALLY BECOMES MORE BIOTITIC & ARGILLACEOUS DOWN HOLE SCTD CM SCALE QTZ VEINS A 2 INCH VEIN OF QTZ FSP AT 213.6	45
0223.0	5.0	MVVW	QTE	AS ABOVE MORE DISTINCT 2 CM SCALE BANDING NO PEBS CUT BY QTZ VEINING OVER FIRST 2 FT LOWER CT SHARP 55 CA LESS THAN 20 CPS	45
0229.8	6.8	MVVW	UM	STEATITE GY MASSIVE FIBEROUS TEXT MAINLY FG TALC WITH SCTD 5 TO 10 MM BROOMS & SUNS OF TREM ROCK BECOMES MG GRN MASSIVE TREMOLITE WITH RARE 1 TO 2 INCH INCLS OF QTZ OVER 1.5 FT TO SHARP LOWER CT AT 45 CA SEQUEN CE REPEATS TOWARD UPPER CT WITH MINOR CARB MTX & SOME 5 MM SCALE DIOP XTLS	
0234.8	5.0	MVVW	DIA	MG DK GRN SHTOSE UNIFORM MAINLY STUBBY FIBEROUS DK GRN AMPB WITH PLA G TRACE BIOT FOTN 40 TO 45 CA BECOME S SLLY FINER GRAINED OVER 2 FT TOWAR D BOTH CTS LOWER CT SHARP 55 CA & BIOTITIC	45
0258.7	23.9		DIA	AS ABOVE	
0263.5	4.8	MVVW	QTE	MG GY MASSIVE UNIFORM SUGARY TEXT MAINLY MG SUGARY QTZ WITH SERICITE & BIOT FRACTURING WITH BIOT CHL ON FRCT PLANES GIVE THE ROCK A PSEUDO PEBBLY CM SCALE APPEARANCE LOWER CT SHARP 45 CA PARTIALLY BKEN & GROUND	
0273.8	10.3	MVVW	UM	STEATITE MASSIVE MG FIBEROUS TEXT MAINLY TALC SERP WITH FIBEROUS NEEDL ES OF TREM THROUGHOUT SCTD 3 MM LT GY BLBS CARB TALC FROM 269.0 TO 271. 0 POSS RELIC OLIVS DISS MT THROUGHOU T ROCK IS GRN TREM SUNS ON PARTIALLY GROUND UPPER CT TOWARDS LOWER CT ROCK BECOMES CM SCALE SUNS OF TREM IN A TALC MTX TO MASSIVE MG TREM ON SHARP LOWER CT AT 45 CA UM APPEARS TO BE A DIKE	
0283.8	10.0	MVVW	UM	AS ABOVE	
0288.8	5.0	MVVW	QTE	FG MG LT GY TO WHITE SERICITIC SHTD SE UNIFORM ROCK IS DK GY WITH MINOR	45

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0310.0	21.2		QTE	BIOT OVER 1 FT FROM UPPER CT AS ABOVE FAINT PALE GRN TINT SCTD FINE HAIRLINE FRCTS WITH ORANGE BRN MICA FOTN 50 TO 55 CA	55
0321.7	11.7		QTE	LT GY TO GY SERICITIC LCLLY BANDED WITH DK GY CM SCALE ARGILLACEOUS BAN DS LESS THAN 1% MM SCALE DK GRN TO BLACK MAFIC MINERAL DISS THROUGHOUT AMPB (Q)	60
0329.8	8.1		QTE	SERICITIC LT GY TO WHITE UNIFORM FG TO MG	60
0336.1	6.3		QTE	AS AT 321.7 LCLLY ARGILLACEOUS WITH DISS CUBES PY IN ARGILLACEOUS ZONS & ON SCTD FRCTS WITH BIOT & CHL	55
0343.3	7.2		QTE	SERICITIC LT GY TO WHITE FG MG UNIFO RM WITH LESS THAN 1% DISS FLKS OF RED BRN MICA THROUGHOUT	55
0346.0	2.7	MVVW	QTE	AS ABOVE	55
0348.3	2.3	MVVW	QTE	LT GY TO WHITE SERICITIC WITH 3 TO 4 INCH ZONES DK GY BIOTITIC ROCK IS ALSO BIOTITIC WITH CM SCALE BANDING OVER 1 FT TO SHARP LOWER CT 55 CA	55
0348.7	0.4	MVVW	SCH	CHL DK GRN SOFT 5 MM SCALE BLACK NEE DLES OF AMPB ON UPPER CT LOWER CT VERY SHARP 78 CA SCHIST IS A CT PHAS E OF UM	70
0350.3	1.6	MVVW	UM	2 TO 3 CM DK GY GRN SUNS & BROCMS OF TREM IN A GY TALC MTX LOWER CT BKEN & GROUND PROB SHARP	
0351.2	0.9	MVVW	UM	TALC CHL SCH FG DK GY GRN BKEN & GRO UND LOWER CT GRADATIONAL	
0363.0	11.8	MVVW	UM	STEATITE MG LT GY FIBEROUS TEXT LCLL Y WK MM & CM SCALE BANDING 30 TO 45 CA WITH NUM LT GY WHITE BLBS CARBONA TE ROCK IS MAINLY TALC SERP CARB DISS MT THROUGHOUT DRIG TEXT COMPLET LY DESTROYED	40
0374.5	11.5	MVVW	UM	AS AT 363.0 BECOMES FG TALC SCH FOLL OWED BY 2 INCH BAND OF CHL SCH ON SH APP LOWER CT 40 CA	
0375.2	0.7	MVVW	SCH	BIOT DK BRN MG META ARG	40
0382.7	7.5	MVVW	ARK	MG GY SUGARY TEXT MAINLY PLAG QTZ WITH SCTD FLKS & CLOTS OF BIOT ROCK BECOMES ARGILLACEOUS TOWARD UP PER CT ROCK IS MG TO CG UNIFORM	45
0391.0	8.3	MVVW	ARK	AS AT 382.7 LOWER CT BKEN & GROUND	45
0395.0	4.0	MVVW	UM	MG GRN NUMS CM SCALE SUNS OF TREM IN A SHTOSE TALC MTX ROCK IS FRIABLE BKEN & GROUND TREM SUNS GRADUALLY DISAPPEAR DOWNHOLE	50
0404.0	9.0	MVVW	UM	STEATITE DK GY GRN MG MASSIVE FIBERO US TEXT MAINLY TALC SERP CARB NO ORI G TEXT NUMS STRS & VEINS OF WHITE CARB GIVE THE ROCK A MARBELED APPEAR ANCE FG DISS MT THROUGHOUT 1%	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0412.6	8.6	MVVW	UM	AS ABOVE	
0421.7	9.1	MVVW	UM	AS AT 404.0 LOWER CT GROUND	
0422.2	0.5	MVVW	UM	MG DK GRN NUMS SUNS OF TREM IN A TAL C MTX BECOMEING MASSIVE TREM ON SHAR P LOWER CT AT 55 CA	
0422.5	0.3	MVVW	SCH	CHL FG DK GRN UNIFORM LOWER CT GROUND	55
0423.8	1.3	MVVW	UM	D 75% GRN CM SCALE BROOMS & SUNS OF TREM IN A GY TALC MTX LOWER CT GROUND	
0424.6	0.8	MVVW	SCH	D FG DK GRN CHLC SOFT UNIFORM STEATITI C ON UPPER CT LOWER CT GROUND	
0425.3	0.7	MVVW	UM	80% CM SCALE SUNS GRN TREM IN A GY TALC MTX LOWER CT GRADATIONAL OVER 1 INCH	
0425.9	0.6	MVVW	UM	FG LT GY GRN MASSIVE TALC WITH 10% SCTD 1 TO 3 MM BOOKS & FLKS OF CHL WITH RARE 2 MM NEEDLES BLACK AMPB LOWER CT BIOTITIC BKEN & GROUND	
0428.6	2.7	MVVW	DIA	FG MG DK GRN SHTOSE UNIFORM AMPB FSP MINOR BIOT FLKS ROCK BECOMES CHL C OVER 3 INCHES ON BKEN & GROUND LOW ER CT	75
0439.5	10.9	MVVW	UM	STEATITE FG MG LT GY TO GY LCLLY SLL Y SHTOSE MAINLY TALC SERP CARB WITH 2 TO 3 MM 5 TO 10% DK GRN RAGGED SPK S POSS RELIC EQUANT OLIV ALTD TO SERP LOWER CT SHARP PARTIALLY GROUND 30 CA	75
0440.5	1.0	MVVW	UM	DK GRN MASSIVE FIBEROUS TEXT MAINLY DK GRN CM SCALE SUNS TREM IN A MINOR TALC CHL MTX LOWER CT SHARP UNDULATI NG 30 CA	
0441.5	1.0	MVVW	SCH	CHLC DK GRN FG UNIFORM SOFT WITH SCT D UP TO 3 MM 10% MT LOWER CT GRADATI ONAL OVER 1 INCH	60
0446.5	5.0	MVVW	DIA	FG MG DK GRN SHTOSE MAINLY AMPB FSP MINOR BIOT GRADUALLY CG AWAY FROM UP PER CT SIMILAR TO 428.6	60
0505.3	58.8		DIA	CG GRN MASSIVE UNIFORM UP TO 3 MM 70% STUBBY FIBEROUS DK GRN AMPB WITH INTERSTITIAL FSP TRACE BIOT	
0509.8	4.5	MVVW	DIA	FG MG DK GY GRN SHTOSE & MM SCALE BANDING MAINLY AMPB FSP BIOT CUT BY 2 INCH MILKY WHITE QTZ VEIN AT 531.0 UPPER CT GRADATIONAL POSS META GWKE LOWER CT SHARP SHTOSE WITH BIOT AT 60 CA	60
0510.5	0.7	MVVW	SCH	CHL DK GRN FG UNIFORM SOFT LOWER CT SHARP 55 CA	55
0513.4	2.9	MVVW	UM	70% GRN CM SCALE SUNS TREM IN A FG GY TALC MTX TREM BECOMES 5 MM MORE ABUNDANT TO BOTH CTS LOWER CT GROUND	
0514.0	0.6	MVVW	SCH	CHL DK GRN FG UNIFORM SOFT SCTD 1% 2 MM MT XTLS LOWER CT GRADATIONAL	55

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0516.9	2.9	MVVW	DIA	OVER 1 INCH META FG MG DK GRN UNIFORM MASSIVE AMPB FSP MINOR BIOT LOWER CT BKEN & GROUND	
0530.0	13.1	MVVW	UM	MG MASSIVE GY GRN MAINLY TALC SERP CARB MOTTLED APPEARANCE DUE TO ABUND ANT LT GRN CARB SERP VEINING CRIG TEXT COMPLETELY DESTROYED MUCH OF UNI T IS CARB RICK GRANULAR TEXT STGL MTC WITH FG DISS MT THROUGHOUT RARE SPK OF PD ROCK IS FIBEROUS SHTOSE & PARTIALLY GROUND ON UPPER CT 15%LC	
0540.0	10.0	MVVW	UM	AS AT 530.0	
0550.0	10.0	MVVW	UM	AS AT 530.0 LOWER CT SHARP 75 CA	
0550.7	0.7	MVVW	VEIN	CARBONATE MASSIVE LT GY TO WHITE BOT H CTS SHARP	
0553.5	2.8	MVVW	UM	AS AT 530.0 MORE UNIFORM STEATITE FIBEROUS TEXT	
0556.6	3.1	MVVW	VEIN	TALC LT GRN SOFT SLLY SHTOSE MINOR INCLS OF ABOVE UM	50
0563.2	6.6	MVVW	UM	GY MG UNIFORM MAINLY TALC SERP MINOR CARB ROCK HAS A GRANULAR TEXT WITH VAGUE 1 TO 2 MM ROUND LT GRN SERP PCSS AFTER OLIV META DUNITE ALTN OF OLIV TO SERP TALC HAS RESULTED IN HAIRLINE CM SCALE STRS MT	
0568.7	5.5	MVVW	UM	10 TO 20% UP TO 3 CM BY 5 MM HUSKY TABLETS OLIV ALTD TO GRN SERP IN A GRANULAR TALC SERP MTX SCTD HAIRLINE FRCTS MT DERRIVED FROM ALTN OF OLIV TO SERP TALC LCLLY A CM SCALE MOTTLE D APPEARANCE LOWER CT GRADATIONAL	
0572.2	3.5	MVVW	UM	STEATITE MASSIVE FG GY TALC GRADUALL Y DEVELOPES A FIBEROUS TEXT WITH CM SCALE GY GRN SUNS OF TREM TO MASSIVE TREM ON SHARP LOWER CT AT 55 CA CG TREM SCH OVER 1 INCH ON LOWER CT	
0587.1	14.9	MVVW	DIKE	META MAFIC POSS UM MG GRN DK GRN MAS SIVE UNIFORM MAINLY CHL WITH NEEDLES OF DK GRN AMPB SOFT WITH 2% UP TO 3MM DISS EUHEDRAL MT THROUGHOUT POSS META BSLT LOWER CT SHARP 40 CA & MARKED BY 3 INCH BAND CHL SCH	
0593.9	6.8	MVVW	UM	STEATITE LT GY MASSIVE MAINLY TALC WITH FG DISS MT 1% DEVELOPING A 5 MM SCALE BANDING WITH SUNS OF LT GRN TREM OVER 1FT TO BOTH CTS LOWER CT SHARP UNDULATING 35 CA	
0603.6	9.7	MVVW	DIKE	(QQ) CHLC DK GRN AS AT 587.1 LOWER CT SHARP OVER 1 INCH 45 CA	
0610.3	6.7	MVVW	UM	STEATITE LT GY SHTOSE TALC FRIABLE PARTIALLY GROUND LARGE 1 TO 2 CM LT GY GRN SUNS & BROOMS OF TREM TOWARD BOTH CTS BECOMING MASSIVE TREM ON BO TH CTS LOWER CT GRADATIONAL	50

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0612.9	2.6	MVVW	AMPB	FG LT GRN SLLY SHTOSE UNIFORM MAINL Y FG TREM LOWER CT VERY SHARP 23 CA	
0625.7	12.8	MVVW	DIA	MG CG DK GRN MASSIVE UNIFORM UP TO 2 MM DK GRN STUBBLY FIBEROUS AMPB WITH INTERSTITIAL PLAG & FLKS BIOT ROCK BECOMES CHLC WITH 2 MM DISS MT OVER 2 FT TO BOTH CTS	
0637.3	11.6	MVVW	DIA	AS AT 625.7 LOWER CT GRADATIONAL IND ISTINCT OVER 4 INCHES	
0638.1	0.8	MVVW	AMPB	MASSIVE LT GY RADIATING 5 TO 10 MM TREM LOWER CT SHARP 70 CA POSS INCLS OF UM IN DIA	
0639.0	0.9	MVVW	SCH	DK GRN CHL UNIFORM DISS MM SCALE MT 1% LOWER CT VERY SHARP 32 CA POSS A CHILL DIA AS ABOVE	
0642.2	3.2	MVVW	UM	MASSIVE GRN CM SCALE SUNS OF TREM TREM GRADUALLY DISAPPEARS DOWNHOLE AS ROCK BECOMES STEATITE LOWER CT GRADATIONAL	
0655.0	12.8	MVVW	UM	STEATITE GY FG SLLY SHTOSE UNIFORM TALC WITH 1% DISS FG MT	45
0668.7	13.7	MVVW	UM	AS AT 655.0 TALC ROCK	45
0679.0	10.3	MVVW	UM	FG LT GY GRN TALC LCLLY WITH SERP LOCAL ZONES FRIABLE WITH 1 TO 2 MM PALE GRN BODKS OF SOFT TALC 15% GRO UND CORE	
0683.0	4.0	MVVW	UM	STEATITE AS AT 655.0 TALC ROCK SHTO SE LOWER CT GRADATIONAL	30
0688.3	5.3	MVVW	UM	GRADUAL APPEARANCE OF UP TO 3 CM BY 1 CM HUSKY TABLETS OF DK GRN OLIV ALTN TO SERP IN A FG GY TALC MTX SOME CM SCALE BLADES GRADUALLY DOWNH OLE OLIV BECOME MORE NUMS TO 15% & RAGGED CM SCALE PRISMATIC LOWER CT MARKED BY 2 INCH CARB VEIN	
0691.5	3.2	MVVW	UM	RAGGED 2 CM SCALE HUSKY TABLETS GRAD UALLY GOING TO CM SCALE PRISMATIC & THEN CM SCALE EQUANT DK GRN OLIV ALTN TO SERP IN A GY TALC SERP MTX 30% OLIV ALSO DISS THROUGHOUT IN BOT H MTX & OLIV IS 15% 1 MM SCALE ROUND LT GY WHITE GRAINS CARBONATE THE CAR B GIVES A POIKILITIC APPEARANCE TO THE OLIV CARB AFTER OLIV(Q) LOWER CT GRADATIONAL	
0698.6	7.1	MVVW	UM	30 TO 85% DK GRN 5 TO 8 MM EQUANT OLIV ALTN TO SERP IN A LT GY FIBEROU S & FLKY MTX OF TALC SERP CARB OLIV GRADUALLY BECOME MORE ABUNDANT DOWNHOLE DISS MT 1% & TRACE DISS PY LOWER CT GRADATIONAL OVER 3 INCHES	
0700.0	1.4	MVVW	UM	OLIV GRADUALLY DISAPPEAR 8MM EQUANT BECOMING CM SCALE PRISMATIC BLADES & THEN RAGGED HUSKY TABLETS & PRISMA TIC ON LOWER CT 10% OLIV OVERALL IN	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0704.7	4.7	MVVW	UM	A GY STEATITE MTX STEATITE MASSIVE FG GY TALC WITH SCT D BLBS SERP & DISS MT 1% OVER 1 FT CN LOWER CT BECOMES GRN WITH LT GRN TREM MINOR CARB SHARP LOWER CT 65 CA MARKED BY 1 INCH BAND FG TALC CHL SCH	
0709.7	5.0	MVVW	GWKE	DK GY FG MG MASSIVE FRACTURED & BXTD TOWARD UPPER CT MAINLY AMPB PLAG SCT D 1 TO 2 MM QTZ PEBB MINOR BIOT LOCA L ZONES ARKOSIC WITH FRAGS PLAG & MINOR K SPAR IN MTX	
0745.0	35.3		GWKE	AS ABOVE	
0748.9	3.9		ARK	MG DK GY BRN ARGILLACEOUS SCTD UP TO 3 MM PK TO BRN FRAGS CF PLAG & ROUND PEBB QTZ IN A FG MG MTX OF PLAG AMPB QTZ MINOR BIOT BOTH CTS GRADATIONAL	
0753.6	4.7	MVVW	GWKE	AS AT 709.7 SCTD HACKY FRCTS QTZ FSP LOWER CT SHARP TO CA	
0759.5	5.9	MVVW	UM	STEATITE FG LT GY TO WHITE SLLY SCHT OSE MAINLY TALC WITH FG DISS MT OVER 1 FT TOWARD UPPER CT ROCK DEVELOPES CM SCALE SUNS OF TREM TO MASSIVE LT GRN TREM FOLLOWED BY A 2 INCH BAND OF CHL SCH & THEN A 1 INCH BAND OF BIOT SCH ON SHARP UPPER CT 20% GROUND D CORE LOWER CT GRADATIONAL OVER 2 INCHES	
0761.6	2.1	MVVW	UM	40% UP TO 2 CM BY 5 MM HUSKY TABLETS OF DK GRN OLIV ALTN TO SERP IN A MG GY GRN MTX OF SERP CARB & TALC ROCK HAS A GRANULATED APPEARANCE DUE TO FRACTURING AND SCTD MM SCALE WHITE ROUND GRAINS OF CARB POSS AFTER OLIV THE CARB ALSO OCCURS WITHIN THE HUSK Y TABLETS GIVING IT A POIKILITIC APPEARANCE POSS HUSKY TABLETS ARE NOT OLIV BY PYX PLATES WITH OLIV INC LS WHICH HAVE NOW ALTD TO CARB TRACE DISS PY LOWER CT SHARP (Q) 45 CA	
0767.3	5.7	MVVW	UM	30% 2 TO 4 CM DK GRN GLOMOPORPH PATC HES OF OLIV ALTN TO SERP WITH GY TO WHITE FG MG INTERSTITIAL MTX OF TALC CARB SERP ROCK IS FRCT & SHRD 20 CA AT 763.5 LOWER CT GRADATIONAL OVER 2 INCHES AS GLOMOPORPHS BREAK UP TO 2 TO 4 MM EQUANT OLIVS	
0772.6	5.3	MVVW	UM	30% DK GRN 2 TO 4 MM EQUANT OLIV ALT N TO SERP IN A GY TO LT GY MTX OF TA LC CARB SERP CUT BY SCTD CARB VEINS OLIV GRADUALLY DECREASE IN SIZE DOWN HOLE TO 1 TO 2 MM LOWER CT GRADATION AL	
0776.0	3.4	MVVW	UM	OLIV GRADUALLY CLOG TOGETHER TO FORM 1 TO 2 CM GLOMOPORPH PATCHES 25% IN	

DEPTH	LENGTH	MVZN	ROCK	DESCRIPTION	ANG
0777.8	1.8	MVVW	UM	A GY FG TALC SERP MTX LOWER CT GRADATIONAL 60% DK GRN OLIV IN THE FORM OF PRISMATIC BLADES & HUSKY TABLETS 1 TO 2 CM BY 5 TO 8 MM IN A DK GY FG STEATITE MTX THE TIGHT PACKING OF OLIV GIVES THE ROCK A GLOMOPORPH APPEARANCE SCTD 2 TO 3 MM WHITE CARB LOWER CT ABRUPT TO STEATITE	
0783.0	5.2	MVVW	UM	STEATITE MASSIVE FG MG MAINLY TALC SERP WITH FG DISS MT ROCK IS SCLTOSHPRD FOR 1.5 FT AT 779.6 ROCK CONTAINS 25% CM SCALE ROUND & ANGULAR LT GY BLBS OF CARB WITH SHARP OUTLINES CARB GRADUALLY DECREASE IN SIZE & % DOWNHOLE 5% 5 MM	
0786.0	3.0	MVVW	UM	AS AT 783.0 GRADUAL APPEARANCE OF 1 CM BY 2 MM HUSKY SKELETAL TABLETS OF OLIV ALTN TO SERP OLIV INCREASE TO 25 MM BY 5 MM & THEN DECREASE IN SIZE TOWARD LOWER CT CENTER PORTION OF UNIT HAS 1 MM ROUND WHITE CARB TH ROUGHOUT WHICH GIVES THE OLIV A POLYLITIC APPEARANCE LOWER CT GRADATIONAL	
0786.7	0.7	MVVW	UM	AS AT 783.0 5% 5MM SCALE LT GY ROUND CARB IN A GY GRN MTX SERP TALC LOWER CT GRADATIONAL	
0794.8	8.1	MVVW	UM	STEATITE LT GY GRN FG MG MASSIVE SERP TALC WITH 5 TO 10% LCLLY VAGUE & LCLLY DISTINCT 5 TO 8 MM BY 1 TO 2 MM SKELETAL LT GY TO DK GRN OLIV ALTN TO SERP ROCK IS CUT BY 5 MM SCALE LT GY CARB VEINS AT 792.0 ROCK GOES TO FG GY TALC FOLLOWER BY 6 INCH BAND CM SCALE SUNS OF MASSIVE TREM LOWER CT SHARP 50 CA	
0799.6	4.8	MVVW	DIA	GRN MG MASSIVE UNIFORM AMPB FSP ROCK WITH RARE SCTD VAGUE 2 TO 3 MM PLAG PHENOS ROCK BECOMES SLLY BIOTITIC & THEN CHLC WITH 1 MM DISS 1% MT OVER 6 INCHES TO BOTH SHARP CTS LOWER CT SHARP 50 CA	
0808.5	8.9	MVVW	UM	STEATITE LT GY PALE GRN MAINLY TALC SERP WITH FG DISS MT SCTD MM SCALE DK GRN OLIV ALTD TO SERP OVER 6 INCHES AT 801.7 OLIV ARE 5% 1 TO 2 MM EQUANT & PRISMATIC GRADUAL APPEARANCE OF TREM SUNS CM SCALE LT GRN TO MASSIVE TREM OVER 8 INCHES TO SHARP UPPER CT	
0812.6	4.1	MVVW	UM	AS AT 808.5 LOWER CT GRADATIONAL	
0825.8	13.2	MVVW	UM	AS AT 808.5 GRADUAL APPEARANCE OF LT GY TO WHITE MM SCALE ROUND CARB GRAINS ALSO APPEARANCE OF 1 MM DK GRN	

DEPTH LENGTH MNZN ROCK DESCRIPTION ANG

OLIV ALTN TO SERP OLIV ARE VAGUE EQUANT ROCK IS CUT BY CARB VEINS TALC VEINS & SERP VEINS LOWER CT GRADATIONAL

0835.8 10.0 MVVW UM STEATITE LT GY FG MASSIVE MAINLY FG GRANULAR SERP TALC WITH 10 TO 20% DK GRN 1 TO 4 MM EQUANT & PRISMATIC OLIV ALTN TO SERP LCLLY CLOGGING TOGETHER TO FORM ISOLATED 1 TO 2 CM GLOMOPORPHS CUT BY SCTD LT GY CARB VEINS OLIVINES ARE MOST ABUNTANT IN CENTER OF SECTION & GRADUALLY DECREA SE TOWARD BOTH CTS

0845.8 10.0 MVVW UM AS AT 835.8

0852.6 6.8 MVVW UM AS AT 835.8

0865.0 12.4 MVVW UM AS AT 835.8

0875.0 10.0 MVVW UM AS AT 835.8

0887.7 12.7 MVVW UM LT GY FG STEATITE GRANULAR TEXT MAIN LT SERP TALC WITH FG DISS MT CUT BY SCTD LT GY TO WHITE CARB VEINS RARE SCTD ISOLATED 1 OR 2 DK GRN PRISMATIC UP TO 2 CM BY 3 MM OLIV ALTD TO SERP

0900.6 12.9 MVVW UM AS AT 887.7 LOWER CT GRADATIONAL OVE R 2 INCHES

0905.7 5.1 MVVW UM GRADUAL APPEARANCE OF 5 MM BY 1 MM PRISMATIC DK GRN OLIV ALTN TO SERP IN A GY FG MASSIVE GRANULAR MTX OF SERP TALC OLIG GRADUALLY INCREASE IN SIZE & % TO 1 CM BY 3 MM 20% APPEARANCE OF 3 MM EQUANT OLIV TOWARD LOWE R GRADATIONAL CT

0911.3 5.6 MVVW UM 35% 2 TO 4 MM DK GRN EQUANT OLIV ALT D TO SERP CLOGGING TOGETHER TO FORM 2 TO 4 CM GLOMOPORPHS WITH AN INTERS TICIAL DK GY GRN SERP TALC MTX ROCK IS CUT BY SCTD LT GY WHITE CARB VEIN S LOWER CT GRADATIONAL AS GLOMOPORPH S BREAK UP

0922.6 11.3 MVVW UM 35% 5 TO 8 MM DK GRN TO GRN EQUANT GRANULAR OLIV ALTN TO SERP IN A GY LT GRN FIBEROUS & FLKY FG TALC SERP MTX WITH DISS FG MT THROUGHOUT ROCK IS CUT BY SCTD 2 TO 4 CM GY CARB VEI NS MTX IS MAINLY FG MASSIVE TALC OVE R LAST 5 FT LOWER CT SHARP & MARKED BY 6 CM GRN GRANULAR WITH HACKY FRCT GLOMOPORPH OF OLIV

0933.8 11.2 MVVW UM AS AT 922.6

0945.0 11.2 MVVW UM AS AT 922.6

0956.2 11.2 MVVW UM AS AT 922.6

0967.2 11.0 MVVW UM AS AT 922.6

0972.2 5.0 MVVW UM STEATITE LT GY FIBEROUS SLLY SHTOSE MAINLY TALC SERP WITH FG DISS MT LCL LY GRN & CHLC PROB DUE TO ALTN BY DI

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				A DIKE TOWARD LOWER CT SCTD LT GY 8 MM PRISMATIC BLADES OF CARB AFTER OLIV LOWER CT IS MARKED BY 4 INCH BAND OF CHL SCH LOWER CT BKEN & GROU ND	
0977.2	5.0	MVVW	DIA	FG DK GRN MASSIVE UNIFORM AMPB FSP ROCK WITH SCTD HAIPLINE HACKY FRCTS OF QTZ FSP	
0984.1	6.9		DIA	AS ABOVE LOWER CT BKEN & GROUND PROB SHARP	
0988.6	4.5	GWKE		ARKOSIC MG GY TO LT GY SERICITIC MAI 60 NLY PLAG QTZ WITH AMPB MINOR BIOT ROCK HAS A SCHTOSE SUGARY TEXT LOWER CT BKEN & GROUND	
1001.0	12.4	GWKE		MG GY SLLY SCHTOSE TO SCHIST MAINLY 60 AMPB FSP MINOR QTZ LCLLY MICAOUS GIV ING ROCK A SUGARY MTX SCTD VEINLETS QTZ LOWER CT SHARP 45 CA	
1004.0	3.0		DIA	FG DK GRN MASSIVE UNIFORM AMPB FSP ROCK UPPER CT SHARP SLLY CHILLED 5 MM LOWER CT GROUND	
1069.0	65.0	GWKE		AS AT 1001.0 FG MG GY SCHTOSE UNIFOR M MAINLY FSP AMP WITH 10% QTZ MICAEO US WITH BIOT GIVING THE ROCK A PRONO UNCED FOTN & SUGARY TEXT SCTD VAGUE 2 TO 3 MM FRAGS OF PLAG LOWER CT VAGUE INDISTINCT AS ROCK BECOMES CHL C OVER 2 INCHES	
1074.0	5.0		SCH	CHL FG GRN POSS META BSLT ALTD TO CH 30 L SCH 8 INCH INCLS OF GWKE AT 1070.9 PROB INTERBEDDED OR ROLLED UP IN THE VOLC LOWER CT GRADATIONAL OVER 1 FT ANDS TO BSLT FG DK GRN AMPB FSP ROCK UNIFORM MASSIVE SCTD HACKY VEINLETS OF QTZ LOWER CT GRADATIONAL OVER 2 INCHES & UNDULATING POSS ROLLED & PILLOWED (QQ) TO CHL SCH	
1091.4	5.5		SCH	CHL AS AT 1074.0	
1099.5	8.1		VOLC	ANDS TO BSLT FG MG GRN TO DK GRN MASSIVE UNIFORM WITH HACKY VEINLETS OF QTZ LOWER CT SHARP 35 CA	
1112.3	12.8		BSLT	FG DK GRN MAINLY ALTD TO CHL SCH BUT 30 IN MANY PLACES THE RELIC CORE OF BSL T IS PRESERVED ONE ZONE OF 6 INCHES AT 1103.0 IS MAINLY RADIATING SUNS OF GRN TREM WITH CHL SCH AND MINOR AMPB GN BOTH SIDES LOWER CT GRADATIO NAL INDISTINCT OVER 1 FT TO MCRE AND ESITIC VOLC	
1125.0	12.7		ANDS	FG MG GY GRN UNIFORM SLLY SCHTOSE 60 MAINLY AMPB FSP MINOR QTZ ROCK ROCK IS SLLY SHRD WITH BIOT FLKS GIVING THE ROCK A SCHTOSE SUGARY APPEARANCE	
1140.0	15.0		ANDS	AS ABOVE LOCALIZED APPEARANCE OF SCT O 1 TO 3 MM CORRODED PLAG PHENOS	

BOREHOLE RECORD

DATE PROCESSED MAR 0, 1976

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE
 54419-0 SAKAMI PROJECT 33F2W 00501 173 00 18000 -45 00 5001300 W002400 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -39 00 0450 -27 30

COMMENTS

LOGGED BY..A M GALLOP STARTED..FEB 17,1975 COMPLETED..FEB 20,1975
 DRLD BRAD BROS AQ CORE ON PER 548 ZONE 3 & 4 ON LAKE 36 FT NW
 CS AND SHOE LOST IN HOLE

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0056.0	56.0			GB SND CLAY & BLDRS NW CS TO 56 FT AW CS TO 56 FT	
0069.4	13.4	MVVW	UM	GY MG SLLY SCHTY FIBEROUS TEXT MAINL 40 Y TALC SERP WITH CARB MINOR NEEDLES TREM DISS MT THROUGHOUT 1% ROCK GRAD UALLY BECOMES GRN MAINLY 5 MM SCALE NEEDLES OF TREM OVER 6 INCHES TO SHA RP LOWER CT AT 50 CA FOLLOWED BY 1 INCH DK BRN BAND OF BIOT SCH	
0074.4	5.0	MVVW	ARG	FG MG DK GY GRN SCHTOSE MAINLY QTZ 50 AMPB BIOT ROCK IS CHLC & BIOTITIC ON UPPER CT SCTD 2 TO 3 CM WHITE BLBS QTZ ROCK GRADUALLY BECOMES MORE QTZ WITH SERICITE DOWNHOLE FOTN VARIES FROM 50 TO 60 CA DCWNHOLE	
0077.2	2.8	QTE		SERICITIC & ARGILLACEOUS SCHTOSE FG 60 MG GY TO DK GY MAINLY QTZ SERICITE MINOR AMPB BIOT LOWER CT GRADATIONAL	
0077.9	0.7	QTE		SERICITIC SCHTOSE FG MG LT GY TO GY 60 MAINLY QTZ SER MINCR BIOT TRACE AMPB RARE VAGUE 2 CM BY 5 MM QTZ PEBS STRETCHED PARALLEL TO FOTN LOWER CT SHARP 60 CA	
0078.7	0.8	QTE		ARGILLACEOUS FG MG DK GY UNIFORM SCH 60 TCSE QTZ AMPB WITH HGLY STRETCHED 2 TO 3 MM SCALE CLOTS BIOT LOWER CT SHARP 60 CA	
0098.0	19.3	QTE		SERICITIC FG TO MG LT GY TO GY UNIFO 60 RM SCHTOSE MAINLY QTZ SERICITE MINOR BIOT RARE SCTD ISOLATED 15 MM BY 5 MM QTZ PEBS STRETCHED PARALLEL TO FOTN	
0099.3	1.3	VEIN		QTZ MASSIVE WHITE SHARP CTS	
0151.1	51.8	QTE		AS AT 98.0 FOTN VARIES 45 TO 55 CA 50	
0182.6	31.5	QTE		SERICITIC FG MG LT GY TO WHITE WITH 65 YELLOW TINT LCLLY 1 FT SCALE DK GY ZONES WITH MINOR BIOT STGL SCHTOSE MAINLY QTZ SERICITE VERY RARE ISOLAT	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				ED QTZ PEBS 1 CM BY 3 MM 15 MM SCALE BAND OF GRN CHROMITE MICA AT 170.6 FOTN VARIES 60 TO 70 CA	
0188.7	6.1	QTE	AS AT 98.0 ROCK BECOMES DK GY BIOTITIC OVER LAST 8 INCHES FOTN VARIES FROM 65 TO 35 AT SHARP CROSS CUTTING LOWER CT AT 45 CA	65	
0189.9	1.2	VEIN	QTZ MASSIVE WHITE SHARP CTS LOWER AT 70 CA CONTAINS CM SCALE PLAG ON BOTH CTS OVER 1 INCH		
0232.4	42.5	DIA	META MG GRN SCHOSE MAINLY FIBEROUS AMPB WITH FSP MINOR BIOT TRACE QTZ SCTD VEINS OF QTZ LCLLY DIABASIC TEX T LOWER CT SCHOSE 45 CA	50	
0236.1	3.7	ARG	META MG DK GRN GY SCHOSE MAINLY AMP B FSP BIOT WITH MINOR QTZ SCTD 3 CM SCALE QTZ FSP LENSES LOWER CT SCHOSE	45	
0249.0	12.9	DIA	E INDISTINCT RARE MM SCALE PK GARNET AS AT 232.4 GRADUALLY FG OVER LAST 2 FT WITH 4 INCH INCLS OF ARG QTE 1 FT ZONE OF FG DK GRN DIA WITH SHAR P CTS AT 243.5 INCLS OR DIKE UPPER CT 45 LOWER 65 SCTD VEINLETS QTZ		
0253.0	4.0	MVVW QTE	ARGILLACEOUS CM SCALE BANDING FG MG DK GY GRN AMPB QTZ MINOR BIOT & SER BANDS OF GY SER QTE POSS VAGUE PEBSQ LOWER CT SHARP 60 CA	55	
0257.6	4.6	MVVW UM	TREMOLITE MAINLY 5 TO 10 MM GRN SUNS OF TREM NON MTC MINOR TALC SERP MTX CM SCALE DIOP XTLS ON SHARP UPPER CT LOWER CT GRADATIONAL OVER 3 INCHES		
0267.3	9.7	MVVW UM	STEATITE MASSIVE FG DK GY FIBEROUS TEXT SCTD CM SCALE FEATHERS OF TREM SCTD MM SCALE ROUND LT GY BLBS CARB POSS AFTER OLIV IN CENTER OF SECTION DISS MT THROUGHOUT		
0276.9	9.6	MVVW UM	AS AT 267.3 LOWER CT GRADATIONAL OVE R 2 INCHES		
0278.9	2.0	MVVW UM	AS AT 257.6 LOWER CT SHARP 70 CA		
0279.8	0.9	MVVW SCH	CHL GRN FG MG 20 TO 40 CA LOWER CT GRADATIONAL TO DIA BIOTITIC OVER 1 INCH ON UPPER CT	30	
0281.0	1.2	MVVW DIA	MG META DK GRN MAINLY AMPB FSP MINOR BIOT SCHOSE SCTD STRS CARB CM SCALE INCLS OF QUARTZOSE FSPIC MATERIAL LOWER CT SHARP 60 CA	60	
0283.4	2.4	MVVW ARK	LT GY FG MASSIVE SUGARY TEXT FG PLAG & QTZ WITH FINE FLKS OF DK GRN AMPB & BIOT SCTD HAIRLINE FRCTS WITH CHL BOTH CTS SHARP ANGULAR & APPEAR TO BE CROSS CUT LOWER CT SHARP 20 CA		
0285.8	2.4	DIA	AS AT 281.0 LOWER CT GRADATIONAL & INDISTINCT		
0304.0	18.2	DIA	POSS ANDS TO BSLT VOLC FG GRN MASSIV E AMPB FSP WITH NUMS CM SCALE IRREGU		

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				LAR ANGULAR BLBS WHITE CALCITE WHICH APPEAR AS INTERSTITIAL FILLING BETWEEN PILLOWS POSS FRCT FILLING CALCITE BLBS BECOME MORE ABUNDANT & STRETCHED TOWARD UPPER CT LOWER CT SHARP 30 CA ROCK BECOMES FG CHLC OVER 1 FT TO LOWER CT	
0307.2	3.2	MVVW	AMPH	FG GRN SCHTOSE WITH WK CM SCALE BANDING LCLLY CG NEEDLES OF GRN AMPB LOWER CT SHARP 35 CA MAINLY AMPB SER P Q SCH ALTD CT ZONE TO UM	40
0315.8	8.6	MVVW	UM	STEATITE FG GY GRN TALC WITH ABUNDANT NEEDLES & SUNS CM SCALE TREM SCTD THROUGHOUT WKLY MTC	
0316.2	0.4	MVVW	SCH	CHL SOME TALC FG DK GY GRN UNIFORM BOTH CTS SHARP UPPER 80 CA LOWER 35 CA	
0320.0	3.8	MVVW	QTE	ARGILLACEOUS & SERICITIC FG MG DK GY TO GY MAINLY QTZ AMPB MINOR SER & FLKS BIOT WK MM SCALE BANDING POSS VAGUE 1 CM BY 3 MM QTZ PEBS OR QTE LENSES	60
0325.8	5.8	QTE		SERICITIC LT GY TO WHITE WITH YELLOW TINT WELL DEVELOPED SCHTY CM SCALE BANDING POSS VAGUE QTZ PEBS UP TO 25 MM BY 10 MM ORIG TEXT DESTROYED BY SHRINKING WITH SERICITE ON SHR PLANES LESS THAN 20CPS LOWER CT SHARP 55 CA	60
0344.6	18.8	DIA		MG DK GRN UNIFORM MASSIVE AMPB FSP ROCK DIABASIC TEXT SCTD VEINLETS OF CARB QTZ ROCK GRADUALLY BECOMES FG OVER 4 FT TOWARD UPPER CT	
0347.5	2.9	VEIN		QTZ MASSIVE WHITE SHARP CTS CM SCALE BLBS PO PY AT 320.6 LESS THAN 1% OVERALL	
0382.9	35.4	DIA		AS AT 344.6 GRADUALLY FG OVER LAST 3 FT TO SHARP LOWER CT AT 80 CA	
0402.1	19.2	DIA		FG MG DK GRN MASSIVE AMPB FSP WITH SCTD 1 TO 3 MM EUBEDRAL WHITE PLAG PHENOS THROUGHOUT SCTD FRCTS & VEINS QTZ FSP SOME WITH CARB ROCK IS LCLLY WKLY SCHTY LOWER CT GRADATIONAL SCHEDULE & INDISTINCT OVER 3 INCHES	60
0404.5	2.4	ARG		META FG MG GY SCHTOSE AMPB FSP MINOR BIOT & CHL AMPB IS LT GY NEEDLES LCLLY MM SCALE BANDING LOWER CT GRADATIONAL	60
0421.7	17.2	DIA		FG DK GRN UNIFORM MASSIVE AMPB FSP MINOR BIOT SCTD HAIRLINE FRCTS OF QTZ CARB LOWER CT GRADATIONAL SCHEDULE OVER 2 INCHES AT 65 CA	
0427.5	5.8	GWKE		FG MG DK GY BRN SCHTOSE & BIOTITIC MAINLY PLAG WITH FG NEEDLES OF AMPB & FLKS BIOT TRACE QTZ LCLLY MM SCALE BANDING WITH BIOT RICH BANDS LOWER	70

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0434.0	6.5		DIA	CT GRADATIONAL OVER 2 INCHES	
0439.0	5.0	MVVW	DIA	AS AT 402.1 BIOT TOWARD LOWER CT PLAG PHENOS CORODED LOWER CT GRADATIONAL OVER 3 INCHES	
0442.4	3.4	MVVW	SCH	CHL FG MG DK GRN SCTD 2 TO 3 MM BLAC 70 K NEEDLES OF AMPB OVER FIRST FT DISS 1 TO 2 MM MT 1% SCTD UP TO 1 CM PK GARNETS LOWER CT 55 CA POSS THIS UNIT REPRESENTS A CT CHILL OF DIA AGAINST CM	
0457.0	14.6	MVVW	UM	STEATITE MG GY MASSIVE FIBEROUS TEXT MAINLY TALC SERP CARB WITH DISS MT 1% THROUGHOUT SCTD CM SCALE SUNS & BROOMS OF GY GRN TREM OVER FIRST 2 FT FROM UPPER CT	
0471.8	14.8	MVVW	UM	AS AT 457.0 ONLY NO SUNS ON SHARP LOWER CT AT 40 CA	
0476.8	5.0	MVVW	DIO	DIKE MG GY MASSIVE UNIFORM PLAG WITH AMPB MINOR BIOT & QTZ	
0481.8	5.0		DIO	AS AT 476.8 LOWER CT SHARP 70 CA	
0501.0	19.2		ARG	FG MG GY SLLY SCHTY WITH WK CM SCALE 70 BANDING 65 TO 70 CA MAINLY AMPB FSP QTZ WITH MINOR BIOT BANDING DUE TO LT GY QUARTZOSE & DK GY BRN BIOTITIC BANDS POSS RARE VAGUE 15 MM BY 4 MM QTZ PEBS UNIT IS CUT BY MASSIVE WHITE QTZ VEINING FROM 472.0 TO 474. 4 LESS THAN 20 CPS FOOT OF HOLE	

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

CHK'D.....

BOREHOLE# 54420-0 PROPERTY SAKAMI PROJECT NTS# 33F2W SH# ANOM# DEPTH 00527 AZIMUTH 172 00 GRID B. 18000 DIP -45 00 ELEV 5000550 LATITUDE W004400 DEPARTURE DATE.....

INCLINATION AND TROPARI TESTS
DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
0200 -42 15 0400 -23 00 0515 -16 30

LOGGED BY..A M GALLOP COMMENTS
STARTED..FEB 20, 1975 COMPLETED..FEB 24, 1975
DRLD BRAD BKOS AQ CORE ON PER 548 ZONE 3 & 4 WATER FROM LAKE
800 FT ALL CSG PULLED

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			CELLAR	
0030.0	30.0			CB CLAY & GVL NW CS TO 30 FT AW CS TO 30 FT	
0051.0	21.0	GWKE		META DK GY GRN MG SHTOSE POSS MTDB 45 DR META VOLC AMPB FSP ROCK MINOR QTZ BIOT LCLLY BICTIITIC & CHLC LOWER CT SHARP 60 CA	
0052.5	1.5	DIA		FG DK GY GRN WITH SCTD LT GY WHITE EUHEDRAL PHENOS OF PLAG & QTZ IN A FG MTX OF AMPB FSP MINOR QTZ LOWER CT SHARP 45 CA BKEN & PARTIALLY GROU ND ROCK IS MASSIVE UNIFORM 1 TO 2 MM PHENOS POSS DIO DIKE	
0060.0	7.5	GWKE		AS AT 51.0 LOWER CT SHTOSE BKEN & 45 GROUND	
0103.8	43.8	DIA		MASSIVE MG DK GY GRN WITH SCTD COROD ED 1 TO 3 MM EUHEDRAL WHITE PHENOS OF PLAG IN A UNIFORM MG MTX OF AMPB FSP MINOR QTZ BIOT FLKS GRADUALLY OVER 4 FT TOWARD UPPER CT ROCK IS FG BKEN FRCT & GROUND LOWER CT SHARP 45 CA	
0107.7	3.9	PRPH		FSP 10 TO 20% 1 TO 2 MM WHITE EUHEDR AL TO SUBHEDRAL PHENOS OF PLAG IN A FG DK GY BRN MTX OF PLAG QTZ AMPB SCTD CLOTS BIOT LOWER CT BKEN GROUND PROB SHARP A DIKE ROCK	
0157.7	50.0	DIA		AS AT 103.8 MASSIVE MG UNIFORM SCTD ISOLATE CORODED PHENO & CLUSTERS OF PHENOS 1 TO 3 MM OF PLAG CUT BY QTZ FSP VEIN FROM 140 TO 141.5 SCTD HACK Y QTZ CARB STRS LOWER CT SHARP 49 CA	
0173.0	15.3	DIA		FG MG MASSIVE UNIFORM DK GRN MAINLY AMPB FSP ROCK WITH SCTD HACKY QTZ CARB STRS ROCK GRADUALLY BECOMES FG TO BOTH SHARP CTS LOWER AT 46 CA	
0199.6	26.6	DIA		AS AT 157.7 LOWER CT SHARP SHTOSE 40 CA	
0205.0	5.4	GWKE		AS AT 51.0 DK GY GRN BRN SHTOSE MG 40	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				AMPB FSP MINOR QTZ BIOT SCTD BLBS QTZ	
0221.5	16.5	LC		GROUND FRAGS GWKE & FG ARK	
0231.7	10.2	ARK		FG LT GY BUFF WKLY SCHTOSE 55 CA	55
				MAINLY PLAG WITH FG QTZ & NEEDLES OF AMPB RARE MM SCALE ROUND QTZ PEBB LOWER CT SHARP 55 CA SCTD FLKS BIOT	
0242.8	11.1	DIA		FG MG DK GRN SLLY SCHTY UNIFORM MAIN LY AMPB FSP MINOR BIOT LOWER CT SHAR P SCHTOSE & BIOTITIC SCTD STRS QTZ CARB	55
0246.8	4.0	ARG		CALCAREOUS MG GY GRN SCHTOSE & MM SC ALE BANDING MAINLY AMPB FSP CARB MINOR CHL SCTD MM GY BANDS CARB LOWE R CT GRADUAL OVER 3 INCHES 30 CA	45
0251.6	4.8	ARK		AS AT 231.7 DISTINCT CM SCALE BANDIN G GRADUALLY DOWNHOLE ROCK BECOMES QUARTZOSE & SERICITIC LOWER CT SHARP 15 TO 20 CA TO A CG PEBBLY QTE LOAD CASTS INDICATE TOPS TO SOUTH	35
0262.6	11.0	QTE		MG DK GY IMPURE BIOTITIC SCHTOSE & CM SCALE BANDING POSS VAGUE 3 CM BY 8 MM QTZ PEBB IN A MG CG DK GY SUGAR Y QTZ BIOT MTX LESS THAN 20 CPS SCTD FRCTS WITH BIOT	40
0263.5	0.9	MVVW	CONG	QTZ PEB 30% HGLY STRETCHED 3 CM BY 8 MM QTZ PEB IN A MG CG QTZ BIOT MTX SCTD FRCTS WITH BIOT DISS PO PY LESS THAN 1% IN MTX 20 TO 30 CPS	40
0266.2	2.7	MVVW	QTE	MG CG DK GY BIOTITIC PEBBLY WITH POS S 10% VAGUE HGLY STRETCHED & SHRD QTZ PEBB 2 TO 3 CM BY 5 TO 10 MM IN A QTZ BIOT MTX MINOR AMPB CHL RARE SPK PY LESS THAN 20 CPS SCTD FRCTS WITH BIOT	40
0269.0	2.8	MVVW	QTE	AS AT 266.2	40
0269.7	0.7	MVVW	CONG	25% 1 TO 2 CM BY 5 MM QTZ PEBB IN A MG DK GY QTZ BIOT MINOR AMPB CHL MTX PEBB STRETCHED PARALLEL TO FGTN 40 CA 20 TO 60 CPS WITH MOST HIGH READI NGS CONCENTRATED IN A NARROW 5 MM DK GY FG BAND	40
0275.0	5.3	MVVW	QTE	AS AT 266.2 PEBBLY & CONG QQ SCTD CM SCALE QTZ VEINS	40
0280.0	5.0	MVVW	QTE	MG DK GY RARE PEBB OF QTZ 2 CM BY 5 MM IN A SUGARY SCHTOSE & CM SCALE BANDING MTX OF QTZ BIOT MINOR AMPB CHL	40
0280.8	0.8	MVVW	CONG	QTZ PEB 20% 1 TO 2 CM BY 5 MM QTZ PEBB IN A MG DK GY SUGARY QTZ BIOT MINOR AMPB CHL MTX SCHTOSE 20 TO 30 CPS	40
0284.5	3.7	MVVW	QTE	MG SUGARY SCHTOSE BIOTITIC & SERICIT IC CUT BY 3 INCH QTZ VEIN AT 283.0	40
0287.0	2.5	MVVW	CONG	20% 2 CM BY 5 MM QTZ PEBB SOME VAGUE	40

DEPTH	LENGTH	MNZN ROCK	DESCRIPTION	ANG
			& SOME CLEARLY DISTINCT IN A MG DK GY SHTOSE SUGARY MTX OF QTZ BIOT MI NOR AMPB CHL & RARE SPK PY	
0287.5	0.5	MVVW QTE	FG MG LT GY RADIOACTIVITY IS CONCENTRATED IN A NARROW 2 CM SCALE DK GY BAND WITH HGLY STRETCHED 1 CM BY 3 MM QTZ PEBS IN A QTZ BIOT MTX WITH DISS TRAINS OF PY CUBES PARALLEL TO FOTN	40
0288.9	1.4	MVVW QTE	FG LT GY UNIFORM SERICITIC SHTOSE LOWER CT SHARP 40 CA LESS THAN 20 CPS	40
0291.2	2.3	MVVW QTE	MG DK GY TO GY SERICITIC & BIOTITIC WITH SCTD 2 CM BY 5 MM QTZ PEBS 5% IN A MTX OF QTZ BIOT SERICITE TRACE PY AMPB & CHL	40
0292.5	1.3	MVVW CONG	20% 2 CM BY 5 MM STRETCHED QTZ PEBS IN A DK GY GRN MTX OF QTZ BIOT AMPB MINOR CHL & DISS CUBES PY READINGS ARE HIGHEST WHERE PEBS MOST DISTINCT & TIGHTLY PACKED & DISS PY CUBES IN MTX 20 TO 35 CPS	40
0295.1	2.6	MVVW QTE	QTE DK GY SERICITIC & BIOTITIC SCTD SE & CM SCALE BANDING SCTD SPKS PY MAINLY QTZ WITH BIOT & SER TRACE AMP B	40
0296.0	0.9	MVVW CONG	45% HGLY STRETCHED QTZ PEBS UP TO 3 CM BY 5 MM IN A DK GY FG MG MTX OF QTZ BIOT & SERICITE TRACE CHL AMPB 2% TRAINS OF MM SCALE PY LOWER CT GRADATIONAL 40 TO 90 CPS	40
0299.3	3.3	MVVW QTE	DK GY PEBBLY GRADUALLY BECOMING LT GY SERICITIC WITH CM SCALE BANDING DOWNHOLE WK RADIOACTIVITY ON UPPER CT LOWER CT BKEN GROUND	40
0300.0	0.7	MVVW CONG	QTZ PEBBLE AS AT 296.0 2% DISS TRAILS MM SCALE PY MTX IS SERICITIC & BIOTITIC PEBS STRETCHED & SHRD WITH SER DN SHR PLANES LOWER CT GRADUAL 20 TO 35 CPS	40
0303.2	3.2	MVVW QTE	LT GY TO DK GY FG MG SERICITIC & BIOTITIC WITH CM SCALE BANDING SCTD FRCTS WITH BIOT CHL	40
0307.6	4.4	MVVW QTE	PEBBLY & CONGLOMERATIC VAGUL & LCLLY DISTINCT WHERE MOST ABUNDANT 10 TO 20 % UP TO 3CM BY 8 TO 10 MM STRETCHED QTZ PEBS IN A GY TO DK GY FG MG SUGARY MTX OF QTZ BIOT SERICITE WITH MINOR AMPB & TRACE PY ROCK IS CUT BY QTZ VEINING OVER 1 FT ON UPPER CT PEBS STRETCHED PARALLEL TO FOTN	40
0312.0	4.4	MVVW QTE	AS AT 307.6 LCLLY FRCT WITH BIOT CHL ON FRCT PLANES	40
0315.5	3.5	MVVW QTE	AS AT 307.6	40
0316.4	0.9	MVVW CONG	40% CLEARLY DEFINED UP TO 3 CM BY	40

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				1 CM STRETCHED QTZ PEBS IN A MG FG GY TO DK GY MTX OF QTZ BIOT MINOR AMPB CHL & 1% DISS TRAINS OF MM SCAL E PY 20 TO 35 CPS	
0320.0	3.6	MVVW	QTE	PEBBLY & CONGLOMERATIC AS AT 307.6	40
0323.4	3.4	MVVW	QTE	UNIFORM VAGUE PEBBLY 5% 2 CM BY 8 MM IN A DK GY MG FG MTX QTZ BIOT AMPB TRACE CHL	40
0324.0	0.6	MVVW	QTE	AS AT 323.4 20 TO 45 CPS	40
0327.9	3.9	MVVW	QTE	PEBBLY & CONGLOMERATIC IN A BIOT RIC H MTX AS AT 307.6	
0328.7	0.8		QTE	FG GY UNIFORM SERICITIC WITH SCTD FLKS & MM SCALE SPKS OF MAFIC MINERA L AMPB QQ	40
0329.8	1.1		QTE	PEBBLY & CONG AS AT 307.6 SCTD FRCTS WITH BIOT CHL	40
0331.5	1.7		QTE	AS AT 328.7 SERICITIC WITH WELL DEVE LOPED SCHTY LOWER CT SHARP 35 CA	30
0342.6	11.1		QTE	IMPURE GY TO DK GY FG MG ARGILLACEOU S & BIOTITIC & SERICITIC LCLLY WITH CM SCALE BANDING MAINLY QTZ WITH BIO T AMPB SERICITE & MINOR CHL & VAGUE SCTD 2 CM BY 5 MM QTZ PEBS ROCK IS FRCT WITH BIOT CHL ON FRCT PLANES GRADUALLY BECOMES MORE ARGILLACEOUS DOWNHOLE TO SHARP PARTIALLY GROUND LOWER CT AT 40 CA	40
0354.8	12.2		QTE	SERICITIC FG MG LT GY WITH YELLOW TINT SCTD MM SCALE BLACK SPKS OF MAFIC MINER OVER 2FT FROM UPPER CT SCTD FRCTS WITH BIOT CHL FOTN VARIES 30 TO 45 CA LOWER CT BKEN & GROUND	
0356.1	1.3		ARG	FG MG SHTOSE DK GY GRN AMPB FSP QTZ BIOT ROCK POSS DIA DIKE QQ LOWER CT BKEN & GROUND	40
0360.5	4.4		QTE	LT GY SERICITIC UNIFORM FG MG QTZ SER SCH	40
0376.8	16.3		ARG	DK GY GRN FG MG SHTOSE FRIABLE MAIN LY AMPB FSP BIOT QTZ CORE IS BKEN & 80% GROUND CONSISTING OF ROUND FRIA BLE FRAGS	45
0378.6	1.8		QTE	LT GY TO WHITE SERICITIC UNIFORM BKE N & PARTIALLY GROUND	50
0387.2	8.6		LC	BKEN & GROUND ONLY SCTD FRAGS WHITE SER QTE & DK GY GRN FRIABLE ARG	
0388.0	0.8		QTE	SERICITIC LT GY WHITE SUGARY FRCT & PARTIALLY GROUND LOWER CT GROUND	45
0388.4	0.4		ARG	FG MG DK GY GRN SHTOSE AMPB FSP BID T MINOR QTZ SCTD BLBS OR VEINLETS OF WHITE CALCITE LOWER CT VERY SHARP 42 CA	45
0394.9	6.5		QTE	FG MG LT GY WHITE SERICITIC LOCAL BIOT RICH MM SCALE ARGILLACEOUS SEAM S SCTD FRCTS BIOT CHL LOWER CT SHARP 68 CA	55

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0396.2	1.3		GWKE	GY TO DK GY WITH BRN TINT MG UNIFORM SLLY SCHTOSE SUGARY TEXT QTZ FSP AMP B WITH BIOT FLKS & SCTD 1 TO 2 MM PEBS & FRAGS OF QTZ SOME OF PLAG LOWER CT SHARP 45 CA	65
0403.6	7.4		QTE	LT GY TO WHITE FG MG SERICITIC CM SC ALE BANDING WITH SEAMS OF ARGILLACED US BIOT & CHL OVER 5 INCHES AT 397.2 LESS THAN 20 CPS LOWER CT SHARP 58 CA	60
0404.0	0.4		GWKE	ARGILLACEOUS DK GY BRN MG FG AMPB QTZ FSP BIOT WITH SCTD 2 MM PEBS OF QTZ LOWER CT SHARP 50 CA	
0408.5	4.5		QTE	LT GY TO WHITE FG MG SERICITIC LOWER CT BKEN & GROUND	50
0413.4	4.9		DIA	META MG GRN SCHTOSE AMPB FSP MINOR BIOT QTZ SCTD VEINLETS & STRS OF QTZ CARB BOTH CTS SHARP BKEN GROUND BIOTITIC & CHL	45
0418.5	5.1		QTE	LT GY TO WHITE WITH FAINT GRN TINT FG MG SUGARY TEXT SERICITIC UNIFORM RARE SCTD QTZ VEINS	55
0419.1	0.6		ARG	DK GY BRN MG FG SCHTOSE AMPB FSP BIO T QTZ ROCK BOTH CTS SHARP 70 CA	70
0427.9	8.8		QTE	SERICITIC & BIOTITIC LT GY TO GY SCH TOSE WITH WK CM SCALE BANDING ROCK GRADUALLY BECGMES MORE ARGILLAC EGUS DOWNHOLE SCTD FRCT WITH BIOT & CHL LOWER CT SHARP SCHTOSE	70
0428.8	0.9	MVVW	SKRN	DK GY GRN FG MG DISTINCT 3 MM SCALE BANDING MAINLY LT GY CARB BANDS WITH NARROW CHL AMPB BANDS LOWER CT SHARP & MARKED BY QTZ VEIN	60
0431.7	2.9	MVVW	QTE	SERICITIC & BIOTITIC WITH WK CM SCAL E BANDING UNIT IS CUT BY QTZ VEINING FOTH 45 TO 60 CA LOWER CT SHARP 3 MARKED BY QTZ VEIN	60
0433.5	1.8	MVVW	UM	CG GRN FIBEROUS TEXT WK CM SCALE BANDING MAINLY FIBEROUS TREM SOME SUNS OF TREM TALC SERP CARB ROCK IS PARTIALLY BKEN & GROUND CONTACT PHAS E OF UM	65
0436.6	3.1		LC	GROUND CORE	
0450.0	13.4	MVVW	UM	STEATITE MASSIVE MG GY FIBEROUS TEXT SOFT UNIFORM MAINLY TALC SERP CARB DISS MT THROUGHOUT 1% ORIGINAL TEXT COMPLETELY DESTROYED	
0460.0	10.0	MVVW	UM	AS AT 450.0	
0470.0	10.0	MVVW	UM	AS AT 450.0	
0480.0	10.0	MVVW	UM	AS AT 450.0	
0490.6	10.6	MVVW	UM	AS AT 450.0 LOWER CT GRADATIONAL	
0492.6	2.0	MVVW	UM	GRADUAL APPEARANCE & INCREASE TO MASSIVE CM SCALE SUNS OF TREM FOLLOW ED BY A 4 INCH BAND OF CHL SCH ON LOWER CT FOTN 90 CA LOWER CT BKEN &	90

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

BOREHOLE# PROPERTY NTS# SH# ANDM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE CHK'D.....
54421-0 SAKAMI PROJECT 33E2W 00592 173 00 18000 -45 00 N000050 W007600 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
0200 -36 00 0400 -25 00 0590 -16 30

COMMENTS

LOGGED BY..A M GALLOP STARTED..FEB 24, 1975 COMPLETED..FEB 28, 1975
DRLD BRAD BKDS AQ CORE ON PER 547 ZONE 3 & 4 WATER FROM CREEK
600 FT AW CS REAMED TO 8 FT ALL CS RECOVERED

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0006.0	6.0			OB CLAY SAND AW CSG REAMED TO 8 FT START OF CORE	
0011.7	5.7	GWKE		ARGILLACEOUS DK GY BRN FG MG SLLY 35 SCHTOSE AMPB FSP QTZ BIOT ROCK LCLLY VAGUE MM SCALE BANDING LOWER CT GRAD ATIONAL AS ROCK BECOMES MORE QUARTZO SE	
0014.7	3.0	QTE		ARGILLACEOUS DK GY FG MG MAINLY QTZ 35 AMPB BIOT MINOR FSP WITH LOCAL ZONES OF UP TO 10% 10 MM BY 5 MM GY QTZ PE BS STRETCHED PARALLEL TO FOTN AT 35 CA	
0021.5	6.8	QTE		PEBBLY & CONGLOMERATIC 15 TO 20% OVE 30 RALL UP TO 15 MM BY 5 MM LT GY QTZ PEBS STRETCHED PARALLEL TO FOTN 25 TO 35 CA IN A FG MG GY BRN LCLLY GRE ENISH MTX OF QTZ AMPB BIOT MINOR CHL LESS THAN 20 CPS LOWER CT SHARP 70 CA	
0029.0	7.5	ARG		CALCAREOUS MG GRN SLLY SCHTOSE 35 TO 40 45 CA FIBEROUS TEXT MAINLY GRN RADIA TING NEEDLES AMPB WITH MINOR INTERST ICIAL CARB & FSP ROCK IS CHLC LCLLY 1 TO 2 INCH BANDS LT GY CARB LOWER CT GRADATIONAL	
0032.3	3.3	ARG		FG MG GY GRN TO BRN SCHTOSE AMINLY AMPB FSP BIOT WK MM SCALE BANDING LOWER CT SHARP 50 CA	
0035.6	3.3	PRPH		NUMS UP TO 3 MM EUPEDRAL TO SUBHEDRA 50 L LT GY PHENOS QTZ & WHITE PHENOS PL AG IN A FG SUGARY MTX OF K SPAR PLAG & QTZ TRACE BIOT & SERICITE BOTH CTS VERY SHARP LOWER AT 60 CA UPPER AT 50 CA A DIKE ROCK ROCK IS LT GY TO BUFF WITH WK FOTN 50 CA MUCH OF FSP HAS BEEN ALTD TO SAUS & RECRYSTALIZE D	
0061.4	25.8	DIA		FG MG DK GRN MASSIVE UNIFORM MAINLY 40	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				AMPB FSP ROCK WITH SCTD HACKY HAIRLI NE FRCTS OF QTZ FSP ROCK IS SLLY FINER GRAINED OVER 2FT TO UPPER CT ROCK IS SHTOSE 40 CA OVER 2 FT TO SHARP LOWER CT 48 CA	
0069.7	8.3	SKRN		MG LT GY TO GY TO LT GRN MM & CM SC ALE BANDING 40 TO 45 CA FG TO MG LT GY CARB BAND & GY GRN AMPB CHL BANDS WITH SCTD LT GRN UP TO 2 CM DIOP XTL S LOWER CT GRADATIONAL OVER 1 INCH 40 CA	45
0079.7	10.0	GWKE		ARKOSIC FG GY SHTOSE UNIFORM MAINLY FG PLAG QTZ AMPB WITH BIOT FLKS LOWE R CT SHARP 50 CA ROCK IS MICAEOUS WI TH SERICITE & BIOT	50
0082.9	3.2	ARG		MG TO CG GRN SHTOSE MAINLY LG FIBER OUS NEEDLES OF GRN AMPB WITH MINOR QTZ FSP TRACE BIOT CHL LOWER CT GRAD ATIONAL	45
0097.2	14.3	ARG		AS ABOVE ONLY CALCAREOUS & INTERBEDD ED WITH LT GY GRN 1 FT ZONES MAINLY CARBONATE RARE TRACE PY LOCAL ZONES BLACK AMPB IN CHL	50
0112.7	15.5	ARG		CG GRN FIBEROUS TEXT LCLLY SLLY SHT OSE MAINLY FIBEROUS DK GRN TO GRN AMPB WITH MINOR FSP CHL & TRACE OF BIOT FLKS RARE SPK PY LOWER CT GRADA TIONAL OVER 2 INCHES TO QTE	
0114.0	1.3	QTE		GY BRN FG SLLY SHTOSE WITH SCTD 1 TO 3% LT GY 15 MM BY 5 MM QTZ PEBS STRETCHED PARALLEL TO FOTN MTX IS FG WITH BROWN TINT QTZ MINOR AMPB SERIC ITE WITH RARE SPKS PY 1 SPK OF SPHAL FRITE LOWER CT GRADATIONAL OVER 2 INCHES	40
0116.2	2.2	ARG		DK GY GRN MG CG FIBEROUS TEXT LCLLY MOTTLED APPEARANCE QTZ AMPB BIOT CHL MINOR FSP ROCK GRADUALLY MORE QUARTZ OSE DOWNHOLE	
0120.3	4.1	QTE		FG GY BRN UNIFORM WITH FINE MM SCALE BANDING ROCK APPEARS TO HAVE A SLUMP ED APPEARANCE & IS BIOTITITIC WITH DISS PO PY 1% AT 118.5 NO PEBBLES ED(Q) ROCK IS MAINLY FG QTZ WITH MIN OR BIOT SER TRACE FG AMPB	35
0129.4	9.1	ARG		GRN MG CG SHTOSE CM TO MM SCALE BAN DING CONTORTED DRAG FOLDED ROCK IS CG GRN AMPB WITH LENSES & BANDS LT GY QTE ROCK IS LCLLY CHLC & BIOTITIC CALCAREOUS THROUGHOUT LOWER CT SHARP 55 CA	60
0147.7	18.3	ARK		FG DK GY SHTOSE WITH FINE MM SCALE BANDING MAINLY PLAG QTZ SERICITE WIT H NARROW MM SCALE CLOTS BIOT ROCK IS INTERBEDDED WITH CM SCALE LENSES OF	65

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0153.9	6.2		DIA	ARG AT 138.0 LOWER CT SHARP 56 CA META MG DK GRN SCHOSE AMPB FSP MINO R BIOT ROCK RARE SCTD 1 TO 3 MM PHEN OS & CLUSTERS OF PLAG LOWER CT SHARP 50 CA	
0157.0	3.1		QTE	PEBBLY & CONGLOMERATIC 10% VAGUE 2 CM BY 5 MM QTZ PEBS IN A GY FG MG SUGARY CM SCALE BANDED MTX OF QTZ MINOR BIOT CHL TRACE AMPB LOWER CT GRADATIONAL LESS THAN 20 CPS	55
0158.9	1.9		QTE	MG GY SUGARY WK 5 MM SCALE BANDING MAINLY QTZ MINOR BIOT SER TRACE AMPB CUT BY SCTD CM SCALE WHITE QTZ VEINS RARE SCTD ISOLATED VAGUE 2 CM BY 5 MM QTZ PEBS 1 OR 2 PEBS WELL DEFINED LCLLY TO 20 CPS	60
0163.9	5.0	MVVW	QTE	AS AT 158.9	60
0164.8	0.9	MVVW	CONG	35% 2 CM BY 5 MM QTZ PEBS IN A DK GY SUGARY MTX OF QTZ BIOT SER MINOR CHL & AMPB ROCK IS FRCT & BXTD 40 TO 80 CPS	
0169.8	5.0	MVVW	CONG	30% 2 TO 3 CM BY 5 TO 10 MM VAGUE & CLEARLY DEFINED QTZ PEBS IN A GY MG SUGARY MTX OF QTZ MINOR BIOT SER TRACE AMPB & CHL CM SCALE BANDING	50
0178.5	8.7		CONG	40% 2 TO 3 CM BY 1 CM LT GY SHRD & STRETCHED QTZ PEBS IN A MG GY MTX OF QTZ BIOT SERICITE MINOR AMPB CHL ROCK IS FRCT WITH CHL BIOT ON FRCT PLANES LCLLY BXTD AT 175.5	75
0180.2	1.7		QTE	MG GY SUGARY TEXT MASSIVE QTZ MINOR BIOT SERICITE TRACE AMPB SCTD HAIRLI NE FRCTS WITH CHL BIOT GIVE THE ROCK A VAGUE PSEUDO PEBBLE APPEARANCE	
0183.8	3.6		CONG	40% 2 TO 3 CM BY 1 CM VAGUE LT GY STRETCHED & SHRD QTZ PEBS IN A MG GY MTX OF QTZ BIOT TRACE CHL AMPB SC TD FRCTS WITH CHL BIOT OBSCURE MUCH OF THE TEXT	
0202.6	18.8		QTE	PEBBLY SCTD ISOLATED 2 CM BY 1 CM QTZ PEBS LCLLY CONGLOMERATIC IN A GY TO DK GY MTX OF QTZ BIOT MINOR AMPB CHL LCLLY SERICITIC LCLLY UNDULATING BANDED 15 TO 40 CA	
0216.4	13.8		QTE	PEBBLY 10% HGLY STRETCHED 2 CM BY 3 TO 5 MM QTZ PEBS IN A SERICITIC BIOT ITIC MTX OF QTZ WITH TRACE AMPB CHL WITH WELL DEFINED MM TO CM SCALE BAN DING LOWER CT SHARP 45 CA	45
0225.6	9.2		ARK	FG GY TO DK GY MASSIVE UNIFORM MAINL Y PLAG QTZ WITH SCTD FLKS BIOT SERIC ITE RARE DISS MT SCTD FRCTS QTZ FSP LOWER CT SHARP 40 CA	
0227.2	1.6	MVVW	QTE	PEBBLY & CONGLOMERATIC 5 TO 10% HGLY STRETCHED 2 CM BY 5 MM IN A GY SER	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				ICITIC MTX OF QTZ MINOR BIOT TRACE AMPB RARE SCTD SPKS PY FRCTS WITH BIOT CHL OBSCURE TEXT	
0229.0	1.8	MVVW	QTE	SERICITIC LT GY WITH YELLOW TINT	55
				SCHTOSE SCTD FRCTS & SEAMS BIOT CHL GIVE THE ROCK A PEBBLY APPEARANCE	
0229.4	0.4	MVVW	CONG	40% HGLY STRETCHED LT GY UP TO 3 CM BY 5 MM QTZ PEBS IN A DK GY SERICITI C & BIOTITIC MTX OF QTZ TRACE AMPB WITH 1% DISS MM SCALE CUBES PY IN MTX	
0230.6	1.2	MVVW	QTE	AS AT 229.0	50
0231.0	0.4	MVVW	CONG	AS AT 229.4 1% DISS MM SCALE TRAINS OF PY CUBES IN MTX	50
0234.1	3.1	MVVW	QTE	SERICITIC AS AT 229.0 GRADUALLY BECO MING PEBBLY TO LOWER CT	
0234.6	0.5	MVVW	QTE	PEBBLY & CONGLOMERATIC HGLY STRETCH D QTZ PEBS 15% 1% TRAINS DISS PY AS AT 229.4	50
0236.3	1.7	MVVW	QTE	SERICITIC AS AT 229.0 RARE ISOLATED HGLY STRETCHED SCTD WHITE CARB VEINS	45
0238.9	2.6	MVVW	QTE	PEBBLY UP TO 3 CM BY 1 CM 15% VAGUE LT GY QTZ PEBS IN A GY DK GY QTZ SER BIOT MINOR AMPB CHL 1 TO 2% DISS PY THROUGHOUT MTX PEBS ARE STRETCHED PARALLEL TO UNDULATING FOTN 20 TO 40 CA	
0243.9	5.0	MVVW	QTE	LT GY SUGARY MG MAINLY QTZ WITH SCTD FLKS BIOT THROUGHOUT SCTD FRCTS CHL & BIOT LCLLY DK GY TO GY 1 FT ARGILL ACEOUS ZONES LCLLY CM SCALE BANDING 55 CA RARE ISOLATED 1 OR 2 VAGUE QTZ PEBS	55
0246.4	2.5		QTE	AS ABOVE LOWER CT SHARP	60 CA
0257.5	11.1		ARG	FG MG DK GY GRN MASSIVE FIBEROUS FLK Y TEXT MAINLY QTZ DK GY GRN AMPB BIOT MINOR CHL & 20% 1 TO 5 MM PK GARNETS SCTD THROUGHOUT LOWER CT SHA RP 70 CA	
0261.0	3.5		QTE	LT GY FG MG SUGARY TEXT WK CM SCALE BANDING POSS SCTD VAGUE 2 CM BY 5 MM QTZ PEBS IN A MTX CF QTZ SCTD FLK S BIOT & TRACE AMPB CHL SCTD HACKY FRCTS WITH BIOT CHL	50
0264.1	3.1	MVVW	QTE	MG GY SUGARY BIOTITIC WK CM SCALE BANDING POSS VAGUE STRETCHED 2 CM BY 5 MM QTZ PEBS PROB IS LENSES OF CLEA NER QTE & REFLECTS RELIC BEDDING DIS S SPKS PY LESS THAN 1% WHERE RADIOME TRIC READINGS GO TO 20 CPS LOWER CT SHARP OVER 1 INCH	45 CA
0266.0	1.9	MVVW	CONG	40% 1 TO 2 CM BY 5 TO 8 MM QTZ PEBS STRETCHED PARALLEL TO FOTN IN A GY TO DK GY MG SUGARY MTX OF QTZ BIOT MINOR CHL DISS 1 TO 2 MM SPKS & BLBS	45

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0268.1	2.1	MVVW	CONG	PO PY 1 TO 2% IN MTX 40% 1 TO 3 CM BY 5 TO 10 MM QTZ PEBS IN A MG GY SUGARY MTX OF QTZ BIOT MINOR SERICITE DISS PO PY 4 TO 6% PEBS ARE STRETCHED PARALLEL TO FOTN 20 TO 45 CA MANY PEBS ARE SHRD & BXT D 40 TO 85 CPS	45
0270.4	2.3	MVVW	QTE	AS AT 264.1	45
0271.1	0.7	MVVW	CONG	30% VAGUE 10 TO 15 MM BY 5 MM STRETCH HED QTZ PEBS GIVING THE ROCK A BANDED D APPEARANCE 20 TO 40 CA MTX IS MG SUGARY GY QTZ BIOT WITH 2% DISS PY ROCK IS SLLY SHRD WITH SERICITE 20 TO 40 CPS	40
0274.7	3.6	MVVW	QTE	FG MG LT GY TO GY WITH YELLOW TINT SERICITIC SLLY SCHTOSE WITH WK CM SCALE BANDING 15 TO 40 CA SCTD ISOLATED D VAGUE 2 CM BY 5 MM QTZ PEBS MAINLY QTZ WITH BIOT ROCK SHRD WITH SERICITE E 20 TO 35 CPS	30
0276.6	1.9	MVW	CONG	60 TO 70% HGLY STRETCHED & RODDED 1 CM WIDE BY 3 TO 6 CM LONG IN A DK GY BIOT RICH MTX OF QTZ WITH 5 TO 10% DISS CUBES PY IN MTX 100 TO 200 CPS MTX ALSO CHLC	
0279.1	2.5	MVW	QTE	PEBBLY 20% VAGUE 2 TO 3 CM BY 5 MM QTZ PEBS IN A LT GY TO GY CM SCALE BANDED SERICITIC MTX OF QTZ LCLLY BIOTITIC WITH 1 TO 2% DISS TRAINS OF PY IN MTX	
0280.1	1.0	MVVW	QTE	SERICITIC CM SCALE BANDING LT GY WITH H YELLOW TINT DISS PY LESS THAN 1% SCTD VAGUE CM SCALE QTZ PEBS MAINLY QTZ WITH SERICITE & NARROW SEAMS BIO TITIC GIVING ROCK A BANDED APPEARANCE E 30 TO 50 CPS	35
0283.2	3.1	MVW	CONG	AS AT 276.6 5% DISS PY PEBS STRETCH ED 30 CA GIVING THE ROCK A VERY DIST INCT 5 MM SCALE BANDING 70 TO 130 CPS	30
0286.0	2.8	MVVW	QTE	PEBBLY SERICITIC LT GY WITH YELLOW TINT MAINLY FG MG QTZ WITH SERICITE & MINOR BIOT CHL & DISS PY LESS THAN 1% WITH VAGUE UP TO 2 CM BY 5 MM QTZ PEBS SHRING WITH SERICITE HAS DESTROYED MUCH OF THE PEBBLY APPEARANCE 20 TO 40 CPS	30
0287.8	1.8	MVVW	QTE	SERICITIC LT GY WITH YELLOW TINT FG MG SLLY SCHTOSE AMINLY QTZ SERICITE WITH TRACE OF BIOT BOTH CTS GRADATION NAL TO PEBBLY QTE LESS THAN 20 CPS	45
0290.3	2.5	MVVW	QTE	PEBBLY WITH SCTD VAGUE 15 MM BY 5 MM QTZ PEBS IN A MG GY MTX OF QTZ BIOT MINOR CHL SERICITE RARE SPK OF PY 20 TO 30 CPS WK 5 MM SCALE BANDING	45

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0294.4	4.1	MVW	CONG	30 TO 45 CA GRADUALLY BECOMES CONGLOMERATIC TO LOWER CT AS AT 276.6 HGLY STRETCHED QTZ PEBS 5 MM WIDE BY 3 TO 4 CM GIVE THE ROCK A TIGHT 5 MM SCALE BANDING 35 TO 45 CA MTX IS DK GY BLACK BIOT RICH SOME CHL WITH 2% DISS TPAINS OF PY 50 TO 275 CPS SCTD FRCTS WITH BIOT CHL	40
0299.4	5.0	MVVW	QTE	PEBBLY MG GY MAINLY SUGARY QTZ WITH BIOT MINOR SERICITE WK CM SCALE BANDING DUE TO VAGUE 1 TO 2 CM BY 5 TO 8 MM QTZ PEBS AND NARROW MM SCALE SEAMS OF BIOT RICH QTZ SCTD HACKY HAIRLINE FRCTS WITH BIOT CHL IMPART A VAGUE PSEUDO PEBBLE APPEARANCE 2 INCH WHITE QTZ VEIN AT 299.0 LESS 20 CPS BUT UP TO 30 CPS ON UPPER CT	45
0348.1	48.7		QTE	SERICITIC SCHOSE FG MG LT GY WITH YELLOWISH TINT MAINLY QTZ SERICITE RARE SCTD 2 TO 4 INCH ZONES ARGILLACEOUS WITH BIOT & AMPB WHICH HAVE A VAGUE CM SCALE PEBBLY APPEARANCE POSS DUE TO FRACTURING SCTD FRCTS WITH BIOT CHL LCLLY GIVE THE ROCK A FLAGSTONE APPEARANCE SCTD 1 TO 2 INCH QTZ VEINS VERY RARE SPK PY FOTN GRADUALLY VARIES FROM 55 TO 70 CA DOWNHOLE LOWER CT SHARP IRREGULAR SLUMPED 70 CA LESS THAN 20 MAINLY 10 CPS	65
0348.8	0.7		ARG	FG MG DK GY BRN SCHOSE AMPB FSP MIN OR CARB ROCK LOWER CT SHARP	60
0358.0	9.2		QTE	LT GY TO WHITE SERICITIC WK CM SCALE BANDING AS AT 348.1 LOWER CT SHARP	65
0363.3	5.3		DIA	FG MG DK GRN MASSIVE UNIFORM SLLY SCHOSE ON BOTH CTS MAINLY AMPB FSP ROCK LOWER CT SHARP	65 CA
0394.0	30.7		QTE	SERICITIC AS AT 348.1 6 INCH BANDS OF SCHOSE ARGILLACEOUS AMPB BIOT CHL MINOR QTZ FSP AT 382.0 & 393.5 ARG BANDS HAVE SHARP CTS	60 CA
0396.2	2.2		QTE	CONGLOMERATIC 30% VAGUE 1 TO 2 CM BY 5 TO 8 MM QTZ PEBS IN A FG MG DK GY BIOT RICH MTX OF QTZ MINOR AMPB CHL RARE SPK PY PEBS STRETCHED PARALLEL TO FOTN	50 CA
0401.1	4.9		QTE	FG MG SCHOSE & SERICITIC WKLY BANDING MAINLY QTZ SERICITE MINOR BIOT ROCK IS LT GY WITH YELLOW TINT GRADUALLY BECOMING DK GY ARGILLACEOUS DOWNHOLE LOWER CT SHARP 50 CA 3 INCH BAND ARG AT 399.4	60
0409.7	8.6		ARG	FG MG DK GY BRN SCHOSE MAINLY QTZ BIOT AMPB FSP FINE MM SCALE BANDING RARE TRACE DISS PY 4 INCH BAND LT GY	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0422.2	12.5	QTE		QTE AT 408.4 LOWER CT SHARP TO CA FG LT GY SERICITIC SHTOSE MAINLY QT 60 Z MINOR SER FSP INTERBEDDED WITH 1 TO 1.5 FT BANDS OF FG DK GY BRN QTZ BIOT FSP AMPB SHTOSE ARGILLITE CONT ACTS BETWEEN BANDS ARE SHARP 50 TO 60 CA	
0428.9	6.7	QTE		FG LT GY UNIFORM SHTOSE SLLY CONTOR TED 30 TO 70 CA POSS VAGUE 5 MM SCA LE STRETCHED QTZ PEBS TOWARD LOWER CT ROCK IS FELDSPATHIC MAINLY FG SUG ARY QTZ WITH PLAG MINOR FLKS SER & BIOT LOWER CT SHARP 60 CA	
0443.1	14.2	SKRN		FG MG LT GY TO GRN CONTORTED CM SCAL F BANDING ROCK IS AMINLY LT GY TO GY CARBONATE WITH CHL SEAMS BECOMES AMPHIBOLITIC WITH GRN MM SCALE NEEDL ES OVER 4 FT TO UPPER CT LOWER CT GFOUND MTC DUE TO FG DISS MT ROCK IS CUT BY A 6 IN DIA DIKE AT 43B.7 DIKE IS FG GPN MASSIVE UNIFORM AMPB FSP ROCK WITH SHARP CHLC CTS	
0448.0	4.9	MVVW	GWKE	FG DK GY BRN ARKOSIC UNIFORM SLLY SHTOSE MAINLY FG QTZ PLAG WITH SCTD NEEDLES BLACK AMPB & FLKS OF BIOT DISS FG PY 1% LOWER CT IS SHARP 65 CA & MARKED BY 3 CM BAND BIOT SCH STEATITE FG MG LT GY MASSIVE FIBEROU S TEXT UPPER CT MARKED BY 2 INCH BAN D DK GRN CHL SCH TALCOSE(Q) FOLLOWED BY 4 INCH BAND MASSIVE GRN CM SCALE SUNS TREM THEN TREM GRADUALLY DISAPP EAR DOWN HOLE TO MASSIVE STEATITE	65
0451.1	3.1	MVVW	UM	MASSIVE STEATITE FG MG LT GY TALC SERP MINDR CARB WITH 5% 1 TO 3 MM ROUND TO SUBHEDRAL DK GRN SERP GRAIN S PROB AFTER OLIV GRAINS HAVE MT XTL S AT THEIR CORE	
0460.0	8.9	MVVW	UM	MASSIVE STEATITE FG MG LT GY TALC SERP MINDR CARB WITH 5% 1 TO 3 MM ROUND TO SUBHEDRAL DK GRN SERP GRAIN S PROB AFTER OLIV GRAINS HAVE MT XTL S AT THEIR CORE	
0469.8	9.8	MVVW	UM	MASSIVE STEATITE GY FG MG FIBEROUS TEXT DISS FG MT MAINLY TALC SERP MIN OR CARB CUT BY LT GY CARB SERP VEINI NG AT 467.6 & 469.0	
0482.8	13.0	MVVW	UM	AS AT 460.0 MTX IS LT GY GRN WITH MO RE SERP NUMS LT GY TO WHITE 5 MM BAN DS & VEINS OF CARB SERP	
0488.9	6.1	MVVW	UM	AS ABOVE GRADUAL APPEARANCE OF LT GY TO WHITE 1 TO 2 MM GRAINS OF CARB AFTER OLIV (Q) DK GRN OLIVS ALTN TO SERP APPEAR CORRODED LCLLY SHRD & SCH TOSE	
0498.6	9.7	MVVW	UM	STEATITE MG LT GY GRN ROCK HAS A GRA 60 NULAR APPEARANCE DUE TO LT GY WHITE 1 TO 2 MM ROUND CARB WITH DK GRN 1 TO 3 MM ROUND SERP WITH MT AT CORE IN A MTX OF TALC SERP A META DUNITITE	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0505.0	6.4	MVVW	UM	LOCAL 4 INCH SHRD & SHTOSE ZONES WITH CARB VEINS STEATITE GY TO DK GY FG MG TALC SERP CARB ROCK WITH DISS MT 1 TO 2% BECOMES SLLY SCHTY WITH WK 2 TO 5 MM SCALE BANDING TOWARD LOWER CT LOWER CT GRADATIONAL INDISTINCT	65
0507.0	2.0	MVVW	SKRN	FG LT GY DISTINCT 2 TO 5 MM SCALE BANDING MAINLY CARB WITH HAIRLINE CHLC SEAMS GIVING THE ROCK ITS BANDING APPEARANCE GRADUALLY DEVELOPES GRN AMPB BANDS DOWNHOLE LOWER CT SHARP GRADATIONAL OVER 1 INCH SIMILAR TO 443.1	65
0509.6	2.6	MVVW	QTE	FG LT GY TO GY FSPIC ON UPPER CT & GRADUALLY ARGILLACEOUS DOWNHOLE SCTD CM SCALE QTZ PEBS APPEAR OVER 1 FT TOWARD LOWER CT MTX IS QTZ BIOT MINOR CHL WK FOTN 70 CA LESS THAN 20 CPS	65
0592.0	82.4	GWKE		FG MG DK GY GRN SLLY SHTOSE LCLLY WITH 5 MM SCALE BANDING ROCK IS ARGILLACEUS MAINLY FIBEROUS SECONDARY AP AMPB WITH FG INTERSTITIAL PLAG QTZ MINOR FLKS SERICITE BIOT LOCAL ZONES 1 TO 2 FT FG QTZ PLAG WITH FINE FLKS BIOT SERICITE & 1 TO 2 MM CLOTS OF AMPB BIOT ORIENTATED PARALLEL TO FOTN WHITE QTZ VEIN AT 574.7 FOOT OF HOLE	70

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE CHK'D.....
 54422-0 SAKAMI PROJECT 33F2W 00657 173 00 18000 -45 00 0000 S001250 W001200 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -39 45 0400 -35 00 0550 -28 00

COMMENTS

LOGGED BY..W O MANSON STARTED..MAR 01,1975 COMPLETED..MAR 04,1975
 DRLD AQ BY BRAD BROS ON PER 548 ZONE 3&4

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0052.0	52.0			OVERBURDEN SAND CLAY AND BOULDERS AW CSG TO 52.0 START CF CORE	
0085.2	33.2	QTE		FG LT GY HIGHLY SHEARED WITH ABUNDAN T SERICIE ALONG SHEARING WEAKLY BAND ED ON CM SCALE SOME BANDS ARE BIOT RICH AND ARE DARK GRAY FOLIATION IS WELL DEVELOPED PARALLEL TO SHEARING AND MICA MINERALS ARE DOMINANTLY ORI ENTED ALONG SHEARING RARE SPECK PO AND CP AT 67.9 LESS THAN 20 CPS	40
0087.5	2.3	QTZ		QTZ VEIN WHITE MASSIVE WEAKLY SHRD WITH INCLUSIONS QTE BOTH CTS ARE REL ATIVELY SHARP LESS THAN 20 CPS	
0093.8	6.3	QTE		AS ABOVE AT 85.2 LESS THAN 20 CPS	45
0096.2	2.4	QTE		FG GRANULAR LT GRN-LT GY HLY SHRD AND SERICITIC CHLORITE AND BIOT ARE ALSO FAIRLY ABUNDANT POSS RARE STRE TCHED PEBBLE TO 1CM(QQ) LESS THAN 20 CPS	50
0101.2	5.0	MVVW QTE		AS ABOVE AT 96.2 LESS THAN 20 CPS NMRS STRETCHED AND SHRD QTZ PEBBLES IN LAST 0.4 FT OF ENTRY RARE SPK PY MUCH LESS THAN 1%	45
0101.9	0.7	MVVW CONG		QTZ PEBBLES 5MM BY 20MM TO 30% OF RK PEBBLES ARE STRETCHED PARALLEL TO FOTN IN A VFG DK GRN MTX THAT IS MOS TLY CHL THE CHL IS STRONGLY ORIENTE D BY SHEARING AND PRODUCES A PRONOUN CE SCHISTOSITY LOCALLY THE CHL IS DRAPED AROUND THE PEBBLES RARE SPKS PY-CP(Q) ALONG PARTINGS LESS THAN 1% 20-25 CPS	45
0103.5	1.6	MVVW ARG		VFG DK GRN HLY SHRD CHL RICH VERY SCHISTOSE WISPS OF DIRTY QTE TO 3MM WKLY MTC DUE TO RARE DISS GRAINS OF MTE RARE STK JASPER (Q) TO IMM DISS SPKS PO-PU-GALENA(Q) TO 1% LESS THAN 20 CPS	50
0104.8	1.3	MVVW ARG		AS ABOVE AT 103.5 MINOR AMPB NO VIS	45

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0105.9	1.1	MVVW	ARG	SULP WKLY MTC 20-40 CPS POOR FOTN AS ABOVE AT 103.5 NO VIS SULP WKLY MTC LESS THAN 20 CPS	45
0106.9	1.0	MVVW	CONG	AS ABOVE AT 101.9 SLLY MTC 20-25CPS	50
0109.4	2.5	MVVW	CONG	AS ABOVE AT 101.9 PEBBLES TO 10% OF FK WKLY FRACTURED SPKS DISS GRPT RARE SPK PY LESS THAN 1% 20-40 CPS	50
0110.4	1.0	MVVW	CONG	AS ABOVE AT 101.9 LESS THAN 20CPS	50
0111.2	0.8	MVVW	CONG	AS ABOVE AT 101.9 30-45 CPS	45
0112.0	0.8	MVW	CONG	AS ABOVE AT 101.9 ABNT BIOT IN MTX WKLY MTC PY-PO 5% QTZ PEBBLES TO 30% OF RK SULP IN MTX 50-85 CPS	45
0112.3	0.3	MVW	CONG	QTZ PEBBLE TO 10% QTZ PEBBLES PEBB LES ARE VAGUE AND HLY SHRD DARK GY FG BIOT RICH MTX WITH UP TO 40% OF MTX BEING FG GRANULAR QTZ PY-PO IN MTX TO 5% SERICITE IN QTZ RICH PORT IONS IS ABUNDANT ALONG SHRG 20-40 CPS	40
0113.5	1.2	MVW	CONG	AS ABOVE AT 112.3 QTZ PEBBLES VAGUE PY-PO AND RARE SPK GALENA 7-10% 40- 50 CPS	40
0114.2	0.7	MVW	CONG	AS ABOVE AT 112.3 PY-PO 5-7% 20-35 CPS	40
0114.7	0.5	MVW	CONG	AS ABOVE AT 112.3 VAGUE PEBBLES TO 10% OF RK PY 7-10% 40-50 CPS	40
0115.2	0.5	MVW	CONG	AS ABOVE AT 112.3 PY 5% LESS THAN 20 CPS	40
0116.9	1.7	MW	CONG	AS ABOVE AT 112.3 QTZ PEBBLES 1CM BY 3CM TO 15% OF RK PY IN MTX 10 15% 40-50 CPS MINOR CHL ALONG SHRG	40
0117.7	0.8	MW	CONG	AS ABOVE AT 112.3 VAGUE QTZ PEBBLES TO 10% OF RK PY IN MTX 10% 50-75 CP S	45
0118.4	0.7	MVW	CONG	AS ABOVE AT 112.3 PY IN MTX TO 5% MINOR CHL ALONG SHRG 40-50 CPS	45
0119.4	1.0	MW	CONG	AS ABOVE AT 112.3 PY 10-15% PEBBLES TO 40% OF RK SERICITE ALONG SHRG IN QTZ RICH PORTIONS AND THROUGH PEBBLES BIOT AND MINOR CHL IN MTX 50-95 CPS	35
0119.8	0.4	MW	CONG	AS ABOVE AT 119.4 100-125 CPS	35
0120.6	0.8	MVW	CONG	AS ABOVE AT 112.3 PEBBLES TO 20% PY IN MTX 5% 50-95 CPS	40
0121.5	0.9	MVW	CONG	AS ABOVE AT 112.3 STRETCHED PEBBLES TO 20% PY IN MTX 7-10% 40-55 CPS	40
0122.6	1.1	MVW	CONG	AS ABOVE AT 112.3 PEBBLES TO 10% RARE STR TO 5MM CHL SCH PY 3-5% 30 CPS	45
0123.4	0.8	MVW	CONG	AS ABOVE AT 112.3 STR CHL SCH TO 3M M PEBB TO 10% PY 5% 40-50 CPS	45
0123.8	0.4	MVW	CONG	ASA ABOVE AT 112.3 PEBB 15% PY 3-5% 20-30 CPS	45
0124.5	0.7	MVW	CONG	AS ABOVE AT 112.3 OCC QTZ PEB 5MM BY 15MM TO 5% OF RK PY IN MTX 3-5%	40

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0125.1	0.6	MVW	CONG	40-55 CPS MINOR STK CHL TO IMM AS ABOVE AT 112.3 PEBS TO 5% QTZ RICH MTX PY-1-2% 20-30 CPS	45
0126.5	1.4	MVW	CONG	QTZ PEBBLE QTZ PEBBLE TO 70% OF RK HLY SHRD AND STRETCHED WITH SERICITE ALONG SHRG PEBS FROM 2MM BY 6MM TO 1CM BY 4CM PEBS ARE IN A FG DK GRN CHL AND BIOT RICH MTX WITH UP TO 10% PY IN THE MTX 50-95 CPS PEBS ARE VAGUE TO LOCALLY DISTINCT	50
0126.9	0.4	MVW	CONG	AS ABOVE AT 126.5 PY 2-4% 40-50 CPS	50
0127.4	0.5	MVW	CONG	AS ABOVE AT 126.5 PY 1-2% 30-40 CPS	50
0128.4	1.0	MVW	CONG	AS ABOVE AT 126.5 PY 2-3% 20-30 CPS	45
0129.4	1.0	MVW	CONG	AS ABOVE AT 126.5 PY 2-3% 30-40 CPS	45
0130.1	0.7	MVW	CONG	AS ABOVE AT 126.5 PY 1-2% 40-55 CPS	45
0131.3	1.2	MVW	CONG	AS ABOVE AT 126.5 PY 1-2% 20-30 CPS	45
0133.8	2.5	MVVW	CONG	AS ABOVE AT 126.5 PEBS VAGUE CHL RICH MTX PY LESS THAN 1% LESS THAN 20 CPS	50
0134.9	1.1	MVVW	CONG	AS ABOVE AT 126.5 HLY SHRD PY LESS THAN 1% 20-30 CPS	50
0137.5	2.6	MVVW	CONG	AS ABOVE AT 126.5 PEBS VAGUE STRS CHL SCH TO 4MM RARE SPK PY LESS THAN 20 CPS	50
0137.9	0.4	MVVW	CONG	AS ABOVE AT 137.5 20 CPS	50
0138.7	0.8	MVVW	SCH	FG GRN WELL FOTD 90% CHL OCC STR TO 2MM QTE LESS THAN 20 CPS	55
0142.6	3.9	MVVW	QTE	FG LT GY HLY SHRD WITH ABUNDANT SRCT ALONG SHRG GRANULAR RARE VAGUE TO DOUDTFUL STRETCHED QTZ PEB RARE STR CHL SCH TO 5MM RARE SPK PY LESS THAN 20 CPS	55
0142.9	0.3	MVVW	QTE	AS ABOVE AT 142.6 20 CPS	50
0143.9	1.0	MVVW	QTE	AS ABOVE AT 142.6 LESS THAN 20 CPS	50
0147.1	3.2	MVVW	QTE	AS ABOVE AT 142.6 LESS THAN 20 CPS	45
0148.9	1.8	MVVW	GWKE	FG DK GRN WELL DEVELOPED FOTN VOLC ANOGENIC DERIVED SED OF CHL AMPB ACT AND BIOT IN VFG PLAG FSP MTX NO VIS SULP LESS THAN 20 CPS	50
0150.1	1.2	MVVW	GWKE	AS ABOVE AT 148.9 LESS THAN 20 CPS	50
0152.2	2.1	MVVW	QTE	AS ABOVE AT 142.6 LESS THAN 20 CPS	45
0152.9	0.7	MVVW	QTE	AS ABOVE AT 142.6 20-30 CPS	45
0154.0	1.1	MVVW	CONG	QTZ PBL 1CM BY 2CM TO 70% OF RK WKL Y SHRD FG BIOT RICH MTX WITH SOME STRS QTE NO VIS SULP PBL ARE DIST INCT AND NOT BADLY STRETCHED 40-70 CPS	55
0154.5	0.5	MVVW	QTE	AS ABOVE AT 142.6 LESS THAN 20CPS LC T VERY SHARP POSS FILLED SCOUR SPEC TAKEN FOR TOP DETERMINATION SUGGEST S TOPS ARE DOWNHOLE	60
0159.0	4.5	MVVW	BSLT	FG-VFG DK GRN WELL FOTD UCT IS HLY ALTD IE CHILLED MARGIN ALSO SOME VAGUE TO DOUDTFUL FLOW STRUCTURE OVE R FIRS ONE FOOT COMP IS 60% AMPB 40%	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				FSP SHRGR HAS CAUSED THE DEVELOPMENT OF A POOR FOTN OCC STR FSP-QTZ IMM TO 1CM THAT POSSIBLY ARE ALONG FLOW MARGINS RARE SPK PO ALONG SHRGR LESS THAN 1% LESS THAN 20 CPS	
0189.1	30.1	BSLT		AS ABOVE AT 159.0 LCLY HLY SHRD OVER 10-15 CM RARE SPK PO OCC VAGUE FLOW TEXTURE AND POSS FLOW MARGINS LESS THAN 20 CPS	45 55
0189.8	0.7	BX		BX ZONE MYLONITE MTX WITH FGMS T ZONE IS OBLIQUE TO FOTN SO TRUE WIDTH IS 0.2 FT VFG LT GY SLCS LESS THAN 20 CPS	10 15
0195.9	6.1	BSLT		AS ABOVE AT 159.0 LCT VERY SHARP LES S THAN 20 CPS	45 50
0196.6	0.7	QTE		FG GRANULAR LT GY WKLY FOTD NO STRONG SHPG ONLY WEAK ORIENTATION OF BIOT GRAINS GREATER THAN 95% QTZ ALSO SOME MINOR CHL BOTH CONTACTS VERY SHARP AT 45 LESS THAN 20 CPS	
0198.3	1.7	BSLT		AS ABOVE AT 159.0 SLLY COARSER GRAIN ED AND BETTER DEVELOPED FOTN LESS THAN 20 CPS	45 50
0206.6	8.3	GWKE		FG-VFG DKGY-LT GY SLLY ARGILLACEOUS WKLY BANDED ON 1CM 5CM SCALE LOCAL BANDS TO 10 CM OF DIRTY QTE GENERALLY BIOT RICH WITH CLASTS TO 2MM OF FSP FGMS ORIGINAL SED WAS APPARENTLY THIN BEDDED AS NOT ALL THE BANDING APPEARS TO BE DUE TO META SEGREGATION MICAS ARE WELL ORIENTED TO PRODUCE OBVIOUS FOTN AND WK SCHISTOSITY LESS THAN 20 CPS	45
0207.9	1.3	QTE		AS ABOVE AT 196.6 UCT IS SHARP LCT IS GRADATIONAL LESS THAN 20 CPS	45 50
0212.2	4.3	GWKE		AS ABOVE AT 206.6 LESS THAN 20 CPS POSS TRUNCATED BEDDING AT 210.9 SUGGESTS TOP ARE DOWNHOLE THIS SPECIMAN WAS TAKEN FOR FURTHER STUDY THE LOWER PORTION OF THIS SECTION IS FINER GRAINED THAN THE UPPER PORTION	50
0217.1	4.9	QTE		AS ABOVE AT 196.6 BOTH CTS VERY SHARP BIOT AND CHL TO 15% OF RK VERY WKLY SHRD LESS THAN 20 CPS	45
0228.2	11.1	BSLT		AS ABOVE AT 159.0 LCT IS VFG FOP FT FROM CT UCT IS SHARP AND VFG FOR LAST 3CM BOTH CTS VERY SHARP NO OBSERVED FLOW STRUCTURE FAIR FOTN BY ORIENTATION OF SOME OF THE AMPBS LESS THAN 20 CPS	0.5 45 50
0233.2	5.0	QTE		AS ABOVE AT 196.6 BOTH CTS SHARP CA 40-45 LESS THAN 20CPS	45
0234.3	1.1	GWKE		FG-VFG DK GY WELL FOTD BIOT RICH VERY MINOR CHL ALONG SHRS BIOT TO 25% WKLY SCHISTOSE LESS THAN 20 CPS	45

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0237.3	3.0		QTE	AS ABOVE AT 196.6 CTS SLLY GRDTL LESS THAN 20 CPS	45
0239.8	2.5		GWKE	AS ABOVE AT 234.3 LESS THAN 20 CPS	50
0261.9	22.1		QTE	FG GRANULAR LT GY WKLY SHRD VAGUE BANDING DUE TO SLIGHT VARIATIONS IN BIOT CONTENT BIOT GRAINS ARE ONLY POORLY ORIENTED TO RANDOM AND IN AMO UNTS TO 5-7% OF RK VERY MINOR SERICI TE ALONG WK SHRG	40 50
0279.0	17.1		BSLT	VFG-FG DK GRN SHRD OCC BAND LT GY-GR N FSP RICH AND VARIABLE GRAIN SIZE THAT APPEAR TO BE FLOW MARGINS THE UCT HAS SMALL FRMTS OF QTE INCLUSION S AND IRREGULAR FLOW LINES WHICH SUG GEST THAT IT MAY BE THE BOTTOM OF TH E FLOW THEREFORE TOPS WOULD BE DOWNH OLE OTHER POSS FLOW MARGINS SHOW NO EVIDENCE OF TOPS LESS THAN 20 CPS	40 50
0280.4	1.4		GWKE	FG DK GY-GRN WELL FOTD MELANGE OF BIOT-FSP-AMPB AND MINOR CHL WKLY SC TS DUE TO ORINTATION OF BIOT APPEAR S TO BE DERIVED FROM BASIC VOLCANIC SOURCE WKLY SHRD LESS THAN 20 CPS	50
0285.2	4.8		BSLT	AS ABOVE AT 279.0 LCT SHARP UCT POSS WKLY ERODED WITH FRMTS OF BSLT OCCUPING IN THE FIRST 5CM OF THE QTE BELOW IT THIS SUGGESTS TOPS ARE DOWNHOLE LESS THAN 20 CPS	50
0288.5	3.3		QTE	AS ABOVE AT 261.9 OCC BAND GWKE TO 6CM LESS THAN 20CPS BIOT 1-2% RARE SPK PG LCT POSS ERODED SURF SUGGEST TOPS DOWNHOLE	50
0293.2	4.7		BSLT	AS ABOVE AT 279.0 LESS THAN 20 CPS	50
0299.8	6.6		QTE	FG GRANULAR LT GY WKLY SHRD WITH MINOR SRCT SPKS PO DISS THROUGHOUT TO 5% WKLY MTC DUE TO PO CONTENT GREATER THAN 90% QTZ LESS THAN 20 CPS	50 55
0320.5	20.7		BSLT	AS ABOVE AT 279.0 LESS THAN 20 CPS	45
0324.5	4.0		GWKE	AS ABOVE AT 280.4 LESS THAN 20 CPS	50
0335.4	10.9		BSLT	AS ABOVE AT 279.0 VAGUE TO DOUDTFUL FLOW STRUCTURE LESS THAN 20 CPS	55
0355.4	20.0		QTE	FG GRANULAR LT GY SHRD WITH MINOR SERICITE ALONG SHRG LOCALLY BIOT AND CHL RICH GENERALLY BIOT-CHL IS LESS THAN 10% POSS VAGUE BANDING AT CM SCALE LESS THAN 20 CPS CORE ANGLES ARE VERY VAGUE	55 60
0365.3	9.9		DIA	FG-MG WKLY FOTD TO MASS PLAG FSP AND AMPB WITH MINOR CHL AND BIOT ALONG WK SHRG POSS CLOSER TO GAB IN TEXT CTS SHARP LESS THAN 20 CPS	60
0367.0	1.7		BSLT	AS ABOVE AT 279.0 LESS THAN 20 CPS	50
0367.8	0.8		DIA	AS ABOVE AT 365.3 LESS THAN 20 CPS	55
0369.7	1.9		BSLT	AS ABOVE AT 279.0 LESS THAN 20 CPS	55

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0384.5	14.8		DIA	AS ABOVE AT 365.3 OCC STR TO ICM OVER LAST 1.5 FT OF CARB WKLY SHRD LESS THAN 20 CPS	55 60
0415.6	31.1		QTE	FG LT GY GRANULAR WKLY TO MODERATE Y SHRD SRCT DEVELOPED ALONG SHRG BIO T & MINOR CHL TO 5-11.0% OFTCN RANDO MLY ORIENTED TO VAGUELY ORIENTED PAR ALLEL TO SHRG BECOMES MORE BIOT RIC H OVER LAST 2 FT WITH RARE VAGUE QTZ PEB RARE SPK PY ALONG FOTN LESS THAN 20 CPS	45
0417.0	1.4		QTE	AS ABOVE AT 415.6 20 CPS	50
0418.9	1.9		QTE	AS ABOVE AT 415.6 LESS THAN 20 CPS	45
0423.6	4.7	MVVW	QTE	AS ABOVE AT 415.6 LESS THAN 20 CPS SPKS PY AND ARSENOPYRITE LESS THAN 1% OVER LAST 1 FT	50 55
0423.9	0.3	MVW	QTE	AS ABOVE AT 415.6 ARSENOPYRITE AND PY 5-7% 20-50 CPS	
0424.8	0.9	MW	QTE	FG GRANULAR LT GY HLY SHRD AND FRACT URED OCC VAGUE PEB ABNT SRCT ALONG SHRG STR BIOT TO 5MM ARSENOPYRITE AND RARE SPK CP AS FRACTURE FILLING CORE ANGLES DISRUPTED BY SHRG SHR ANGLE VERY OBLIQUE TO CORE IE 15-20 DEGREES 50-450 CPS	
0425.0	0.2	MVVW	QTE	AS ABOVE AT 415.6 20-50 CPS	
0426.7	1.7	MVVW	QTE	AS ABOVE AT 415.6 LESS THAN 20 CPS	60
0427.0	0.3	MVVW	QTE	AS ABOVE AT 415.6 20 CPS	60
0429.8	2.8	MVVW	QTE	AS ABOVE AT 415.6 RARE SPK PY SLLY CNRD LESS THAN 20 CPS	25 55
0433.8	4.0	MVVW	QTE	AS ABOVE AT 415.6 SLLY CLEANER WITH LCLY ABNT SRCT RARE SPK PY LESS THAN 1% LESS THAN 20 CPS	55 60
0435.5	1.7	MVVW	QTE	AS ABOVE AT 415.6 LESS THAN 20 CPS	60
0435.7	0.2	MVVW	QTE	AS ABOVE AT 415.6 20-25 CPS	60
0437.2	1.5	MVVW	QTE	AS ABOVE AT 415.6 LESS THAN 20 CPS	55
0437.5	0.3	MVW	QTE	FG GY HLY SHRD ABNT BIOT RARE PBL STRETCHED AND SHRD SPKS PY 1-2% 20-40 CPS SRCT ALONG SHRG	55
0437.9	0.4	MVW	CONG	QTZ PBL TO 60% OF RK HLY SHRD AND STRETCHED 3MM BY 6MM TO ICM BY 3CM IN A QTZ BIOT MTX PY 1-3% IN THE MTX SOME SRCT ALONG SHRG 40-55 CPS	50
0439.6	1.7	MVVW	QTE	FG LT GY-GY HLY SHRD WITH ABNT SRCT ALONG SHRG GRANULAR QTZ TO 95% WITH BIOT TO 5% BIOT IS ORIENTED PLL TO SHRG RARE VAGUE QTZ PBL RARE SPK PY LESS THAN 1% 20-40 CPS	50
0440.5	0.9		QTE	AS ABOVE AT 439.6 LESS THAN 20 CPS	
0441.5	1.0	MVVW	QTE	AS ABOVE AT 439.5 20-30 CPS PY 1%	55
0441.9	0.4	MVW	CONG	AS ABOVE AT 437.9 PY 2% 30-45 CPS	55
0442.1	0.2	MVW	BX	BX ZONE FGMS QTE AMPB BIOT BLBS PY 5% IN CLCK GROUNDMASS LESS THAN 20 CPS	
0442.9	0.8	MVW	QTE	AS ABOVE AT 439.6 40-65 CPS PY 2%	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0443.2	0.3	MVW	QTE	AS ABOVE AT 439.6 20-30 CPS STR	55
				CHL SCH TO ICM	50
0446.6	3.4	MVVW	QTE	AS ABOVE AT 439.6 RARE STR CHL SCH	50
				TO ICM RARE SPK PY LESS THAN 1%	
0447.3	0.7	MVVW	QTE	AS ABOVE AT 439.6 20-45 CPS RARE QTZ	50
				PBL	55
0448.1	0.8	MVVW	QTE	AS ABOVE AT 439.6 20-30 CPS	50
0451.2	3.1		QTE	AS ABOVE AT 439.6 LESS THAN 20 CXPS	50
0451.9	0.7		QTE	AS ABOVE AT 439.6 RARE STRETCHED QTZ	50
				PBL BIOT RICH 20-45 CPS	
0453.1	1.2		QTE	AS ABOVE AT 439.6 20-30 CPS	50
0453.4	0.3		QTE	AS ABOVE AT 438.6 PBL TO 20% OF RK	50
				STRETCHED 1*2 30-45 CPS	
0455.2	1.8		QTE	AS ABOVE AT 439.6 LESS THAN 20 CPS	50
0455.4	0.2		QTE	FG GRLR LT GY WKLYSHRD ABNT SRCT ALO	50
				NG SHRG 98% QTZ A VERY CLEAN QTE	
				EXCEPT FOR SHRG RK IS NEARLY MASS	
				20-30 CPS	
0457.5	2.1		QTE	AS ABOVE AT 455.4 LESS THAN 20 CPS	50
0458.2	0.7		QTE	AS ABOVE AT 455.4 20 CPS	55
0462.5	4.3		QTE	AS ABOVE AT 455.4 LESS THAN 20 CPS	50
0463.2	0.7		QTE	AS ABOVE AT 455.4 RARE VAGUE QTZ	50
				PBL MINOR BIOT 20-30 CPS	
0463.8	0.6	MVW	QTE	AS ABOVE AT 455.4 RARE VAGUE TO DOUD	50
				TFUL PBL STKS BIOT ALONG SHRG BLBS	45
				PY-PQ 2-3% 100-240 CPS	
0468.8	5.0		QTE	AS ABOVE AT 455.4 LESS THAN 20 CPS	50
0482.2	13.4		QTE	FG GRLR LT GY TO DK GY BANDED APPEA	55
				RRANC DUE TO VARIABILITY OF BIOT CON	65
				TENT BIOT 5% TO 15% RARE VAGUE TO	
				DOUDFUL PBL SHRG PRONOUNCED WITH	
				SRCT LCLY ABNT ALONG SHRG AND IS	
				VARIABLE WITH INTENSITY OF SHRG LESS	
				THAN 20 CPS TO 20 CPS WITH RARE SPK	
				PY	
0482.9	0.7		QTE	AS ABOVE AT 482.2 20 CPS	55
0486.4	3.5		QTE	AS ABOVE AT 482.2 LESS THAN 20 CPS	50
0488.0	1.6		QTE	AS ABOVE AT 482.2 LESS THAN 20 TO	50
				35 CPS OCC VAGUE PBL 3MM BY 6MM SPKS	55
				PY AND ARSENOPYRITE 1%	
0503.4	15.4		QTE	AS ABOVE AT 482.2 10 CM BAND MASS	55
				WHITE VEIN QTZ 496.9 TO 497.3 RARE	
				TO OCC VAGUE TO DISTINCT QTZ PBL	
				RARE SPK PY LESS THAN 1% LESS THAN	
				20 CPS	
0505.0	1.6		QTE	AS ABOVE AT 482.2 HLY SHRD LESS THAN	55
				20 CPS	
0506.0	1.0		QTE	AS ABOVE AT 482.2 20 CPS	55
0507.0	1.0	MVVW	QTE	AS ABOVE AT 482.2 PATCHES SECONDARY	55
				QTZ SPKS PY 1% LESS THAN 20 CPS	
0507.2	0.2	MVW	CONG	QTZ PBL CONG QTZ PBL 3MM BY 9MM TO	55
				2CM BY 3CM IN A DK GY FG MIX OF MAIN	
				LY BIOT WITH MINOR CHL PBL ARE STR	
				ETCHED AND FLATTENED PLL TO SHRG	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				DIRECTION PBLs 60% MTX 40% PO-PY-CP (Q) IN MTX 1-2% 20 CPS	
0508.4	1.2	MVVW	CONG	AS ABOVE AT 507.2 QTZ PBLs TO 30% MTX HAS 20% GRLR QTZ SPKS PY LESS THAN 1% LESS THAN 20 CPS	55 60
0512.7	4.3	MVW	CONG	AS ABOVE AT 507.2 QTZ PBLs TO 70% PY IN BIOT RICH MTX 3-5% 20-55 CPS	55 60
0513.1	0.4	MVVW	CONG	AS ABOVE AT 507.2 QTZ PBLs TO 50% SPKS PY 1% 20-30 CPS	60
0514.4	1.3	MVW	CONG	AS ABOVE AT 507.2 QTZ PBLs TO 70% PY 5% 30-65 CPS	55
0516.0	1.6	MVW	CONG	AS ABOVE AT 507.2 QTZ PBLs TO 60% SPKS PY 1-2% 20-30 CPS	55
0518.1	2.1	MVW	CONG	AS ABOVE AT 507.2 40% QTZ PBLs IN A QTZ RICH MTX WITH MINOR BIOT SPKS PY IN MTX 1% LESS THAN 20-20 CPS	55
0522.4	4.3	MVVW	CONG	FG GRLR LT GY QTZ PBLs TO 80% IN A GRANULAR QTE MTX WITH ONLY MINOR BIO T WKLY SHRD WITH SRCT ALONG SHRG RARE SPKS PY IN MTX WHEN BIOT IS PRE SENT LESS THAN 20-20 CPS	50
0523.4	1.0	MVW	CONG	AS ABOVE AT 522.4 PY ALONG SHRG 1-3% QTZ PBLs 90% 30-60 CPS	40 50
0524.2	0.8	MVW	CONG	AS ABOVE AT 522.4 QTZ PBLs TO 70% PY 1-2% HLY SHRD LESS THAN 20-30 CPS	45
0525.2	1.0	MVVW	CONG	AS ABOVE AT 522.4 LESS THAN 20-20 CP S RARE SPK PY	45 50
0526.5	1.3	MVW	CONG	AS ABOVE AT 522.4 PY 1-2% 20-30 CPS QTZ PBLs 75% ABNT BIOT IN MTX	55
0527.1	0.6	MVW	CONG	AS ABOVE AT 522.4 PY 3% 30-40 CPS	45
0529.4	2.3	MVW	CONG	FG GRLR GY-LT GY QTZ PBLs WHICH CONT AIN DISS GNS BIOT TO 50% IN A MTX OF GRLR QTZ AND BIOT QTZ PBLs OFTEN VAG UE AND SHRD RARE SPKS PY IN MTX TO 1% LESS THAN 20-20 CPS	50
0529.8	0.4	MVVW	CONG	AS ABOVE AT 529.4 20-30 CPS	45
0530.8	1.0	MVVW	CONG	AS ABOVE AT 529.4 PBLs TO 30% LESS THAN 20-20 CPS	45
0533.0	2.2	MVVW	CONG	AS ABOVE AT 529.4 PBLs TO 65% 20-40 CPS RARE SPK PY	50
0534.4	1.4	MVVW	CONG	AS ABOVE AT 529.4 STRS CHL SCH TO 3C M HLY SHRD PBLs VERY DISTORTED 30-35 CPS RARE SPK PY PO	55 60
0534.7	0.3	MVW	CONG	AS ABOVE AT 529.4 PBLs 70% SPKS PY-C P 1-2% 40-80 CPS	60 65
0535.5	0.8	MVW	CONG	AS ABOVE AT 529.4 BANDS CHL & ACT TO SCH TO ABOUT 50% OF RK SPKS PY 1-2% 80-150 CPS	65
0538.6	3.1	MVVW	CONG	AS ABOVE AT 529.4 STRS CHL&ACT TO 3MM HLY SHRD PBLs TO 75% PBLs VAGUE 20-65 CPS RARE SPKS PY LESS THAN 1%	60
0542.1	3.5	MVVW	CONG	AS ABOVE AT 529.4 CCC STRS CHL&ACT TO 3MM HLY SHRD PBLs TO 50% AND VAG UE RARE SPK PY LESS THAN 20-30 CPS	60 65
0543.6	1.5	MVVW	QTE	FG-GRLR LT GY HLY SHRD STKS CHL&BIOT	65

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				1-2MM TO 5% OF RK ABNT SRCT ALONG SHRG RARE TO OCC VAGUE QTZ PBL 20-30 CPS	
0544.7	1.1	QTE		AS ABOVE AT 543.6 STR CHL TO 35% OF RK LESS THAN 20 CPS	65
0553.4	8.7	QTE		FG-VFG GRLR LT GY TO WKLY GRN VERY CLEAN QTE WITH GREATER THAN 98% QTZ HLY SHRD WITH ABNT SRCT ALONG SHRG OCC STK BIOT RICH AND VERY RARE STK EUCHSITE OCC RED-BROWN STK OF HEM STAINED QTZ VERY RARE SPK PY LESS THAN 20 CPS	55
0560.2	6.8	QTE		FG LTGY-DK GY CONTAINS UP TO 30% BIO T DISS THROUGHOUT QTE GRAINS RARE VAGUE STRETCHED PBL HLY SHRD WITH SOME SRCT WHERE QTZ RICH DISS SPKS PY-CP(Q) 1-2% LOCALLY LESS THAN 20CPS	55 60
0588.5	28.3	QTE		AS ABOVE AT 553.4 LESS THAN 20 CPS	60
0602.3	13.8	DIA		FG-MG DK GRN MASS TO WKLY FOTD AMPB PLAG POSS CLOSER TO A GAB IN TEXTURE UCT IS CHILLED AND BIOT RICH OVER FIRST ONE FOOT LESS THAN 20 CPS	65
0603.6	1.3	BX		FAULT ZONE(Q) MYLONITE MTX WITH INCLUSIONS DIA LCLL CLCRS LESS THAN 20CPS	
0618.5	14.9	DIA		AS ABOVE AT 602.3 LESS THAN 20 CPS LCT SHARP	65
0626.2	7.7	QTE		AS ABOVE AT 553.4 LESS THAN 20 CPS	60
0629.5	3.3	DIA		AS ABOVE AT 602.3 STGL SHPD SOME CHL & ACT DEVELOPMENT UCT AND LCT SHARP HOWEVER BOTH SHOW ALTERATION WITH BIOT DEVELOPMENT FOR 0.5 FT IN FROM EACH CT LESS THAN 20 CPS	60 65
0657.0	27.5	QTE		AS ABOVE AT 553.4 LESS THAN 20 CPS FOOT OF HOLE	65

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE
 54423-0 SAKAMI PROJECT 32F2W 00682 173 00 18000 -45 00 0000 N000050 W010800 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -41 00 0400 -27 15 0600 -16 00

COMMENTS

LOGGED BY..W D MANSON STARTED..MAR 01, 1975 COMPLETED..MAR 05, 1975
 DRILLED AQ CORE BY BRAD BROS ON PER 547 ZONE 3&4 WATER FROM LAK
 E 500 FT SOUTH ALL CASING RECOVERED

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0024.0	24.0			OVERBURDEN CLAY-SAND-BOULDERS AW CSG TO 24 FT START OF CORE	
0050.8	26.8	GWKE		FG DK GRN SHRD LCLY CNRD AMPB-FSP RK WITH MINOR QTZ-BIOT POSS DERIVED FROM BASIC VOLC OCC BND AGLC QTE TO 10 CM THIS QTE IS DK GYQTZ-BIOT RK WITH TO 40% BIOT GWKE LCLY FRML RARE SPK PY ALONG SHRG SOME BIOT AND CHL DEVELOPMENT ALONG SHRG LESS THAN 20 CPS	55 60
0052.2	1.4	QTE		FG GY-DKGY VERY AGLC WITH UP TO 40% BIOT BIOT IS POORLY ORIENTED VAGUE FOTN POSS VAGUE BDN MINOR SRCT ALON WK SHRG OCC STR GWKE TO 1CM UCT & LCT SHARP LESS THAN 20 CPS	60 65
0053.9	1.7	GWKE		AS AT 50.8 LESS THAN 20 CPS	55
0054.5	0.6	QTE		AS AT 52.2 LESS THAN 20 CPS SHARP CT	55
0055.7	1.2	GWKE		AS AT 50.8 LESS THAN 20 CPS	50
0058.1	2.4	QTE		AS AT 52.2 LESS THAN 20 CPS	50
0068.1	10.0	GWKE		AS AT 50.8 LESS THAN 20 CPS WISPS AGLC QTE TO 30% OF THE RK	45 50
0100.9	32.8	SKN		FG-MG VERY PALE GRN-GY CLCR WITH CAR B FILLED FRCS RK MAINLY CALC-SILICAT E WITH SOME MINOR QTZ MAY BE LCLY ACT RICH RARE STRS BIOT TO 3MM OCC BND CLCR ARG TO 5CM RK IS EXTENSIVL Y FRACTURED BUT SHRG IS NOT TO PRON OUNCED META CLCR SED LESS THAN 20 C PS	50
0106.8	5.9	SKN		AS AT 100.9 BANDS ARG ACT TO 20% OF RK SHRG GIVES DISTINCT FOTN IE DIRT IER THAN AT 100.9 LESS THAN 20 CPS	50 55
0116.5	9.7	ARG		META-ARG FG GY-BRN ABNT BIOT SCSS BIOT TO 30% CLCRS STKS PALE GRN ACT ALSO OCC BNDS TO 10 CM ARE CHL-ACT RICH AND ARE GREENISH RARE SPK GRPT LESS THAN 20 CPS	50

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0141.2	24.7		SKN	FG GRN TO PALE GRN WELL FOTD PRIMAR ILY ORIENTED ACT WITH SECONDARY DIOP CARB AND OCC HBL UNDERLYING HRFL TEXT WITH WK SCSS DUE TO SHRG OCC CLOTS OF CARB AND OF HBL SLLY MTC IN MOST PLACES DUE TO DISS PO TO 1% LESS THAN 20 CPS	50 55
0142.5	1.3		SKN	FG LT GY MASS DIOP TREM FLAG WKLY SHRD WITH VERY MINOR SRCT ALONG SHRG	
0153.3	10.8		SKN	AS ABOVE AT 141.2 SLLY AGCL WITH STRS AND BANDS BIOT TO 10% OF RK LESS THAN 20 CPS	50 55
0158.0	4.7		SKN	AS AT 141.2 LESS THAN 20 CPS HLY SHRP SLLY MTC	60
0162.3	4.3		SKN	AS AT 141.2 SLLY AGCL WITH BNDS BIO T TO 20% LESS THAN 20 CPS	55 60
0163.4	1.1		SKN	AS AT 141.2 MASS HFL TEXT WITH SEGR EGATED CLOTS OF HBL TO 30% MTC LESS THAN 20 CPS DIOP IS ABNT	
0167.7	4.3		SKN	AS AT 141.2 DIOP RICH SLLY MTC DISS PO LESS THAN 1% LESS THAN 20 CPS	50
0168.7	1.0		ARG	FG-GY WELL FOTD BIOT RICH CLCR MINOR HBL GRADATIONAL FRM BOTH CTS TO SKN LESS THAN 20 CPS	55
0171.2	2.5		SKN	FG GREEN MASS DIOP-ACT SKN HFL TEXT WITH SEGREGATED CLOTS OF HBL TO 20% OF RK MTC DUE TO UP TO 1% DISS PO LESS THAN 20 CPS	
0173.6	2.4		SKN	DIOP-ACT SKN AS AT 171.2 NO HBL CLOT S MASS HFL TEXT MTC PO 1% LESS THAN 20 CPS	
0176.1	2.5		SKN	AS AT 171.2 LESS THAN 20 CPS	
0192.1	16.0		SKN	AS AT 141.2 WKLY FOTD OCC CLOTS HBL NCN MTC LCLY HFL LESS THAN 20 CPS	55 60
0198.1	6.0		GWKE	FG-GY GREENIS BIOT FSP MINOR QTZ SOME BANDS ACT-DIOP SKN TO 25% LCLY SLLY CLCR RARE SPK PO SLLY MTC LESS THAN 20 CPS HLY SHRD WITH DEFINITE FOTN	40 45
0211.7	13.6		QTE	FG GRLR LT-GY-GY WKLY FOTD BIOT AND CHL LCLY ABNT RARE BAND AND STR IS ACT-DIOP RICH DURING FIRST 6.0 FT VCT IS GRADATIONAL OVE 3CM RARE SPK PO LESS THAN 20 CPS	55
0212.3	0.6		QTE	LT GY FG GRLR MINOR BIOT OTHERWISE A VERY CLEAN QTE SPKS PY 1-2% 20CPS WKLY SHRD WITH ONLY MINOR SRCT ALONG SHRG	55
0212.8	0.5		SKN	DIOP-ACT HFL SHRD WITH ABNT CARB BLEBS PO-PY 3% 20 CPS	55
0216.5	3.7		QTE	FG-GRLR LT GY WELL DEVELOPED FOTN ALONG SHRG WITH SOME SRCT MINOR STK BIOT AND DISS BIOT TO 5% OCC VAGUE TO DOUDTFUL STRETCHES QTZ PBL LESS	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0218.5	2.0	QTE		THAN 20 CPS	
0223.5	5.0	MVW	QTE	AS AT 216.5 SPKS PY-PO 3% 20-25 CPS	55
				AS AT 216.5 SLLY CLEANER OCC PBL TO	55
				LCLY UP TO 30% PBL PBL GENERALLY	
				VAGUE PY-PO 3% LESS THAN 20 CPS	
0224.6	1.1	MVW	CONG	QTZ PBL FG GRLR LT GY WKLY SHRD STRE	55
				ICHED QTZ PBL TQ 60% PBL ARE VAGUE	60
				TO OCC DISTINCT BIOT RICH MTX WITH	
				PY TO 3% IN THE MTX MINOR SRCT ALONG	
				WK SHRG 20-50 CPS	
0229.6	5.0	MVVW	QTE	AS ABOVE AT 216.5 OCC STK & SPK PY	60
				TO 1% LESS THAN 20 CPS	
0230.4	0.8		QTE	AS AT 216.5 LESS THAN 20 CPS	60
0240.0	9.6		GWKE	FG GRLR GY-GRN POOFLY BANDED WITH	55
				BANDS BIOT RICH AND BANDS ACT RICH	65
				IN 1 TO 1 RATIO LCLY SLLY CLCR IE	
				PROB A LIMY SED THAT HAS SEEN THE	
				CARB ALTERED TO CALC SILICATES LESS	
				THAN 20 CPS	
0242.0	2.0		GAB	FG DK GRN-BLK AMPB FSP MASS TEXT	
				ABNT BIOT FROM AMPB SPKS PO TO 3%	
				META GAB LESS THAN 20 CPS	
0242.7	0.7		QTZ	VEIN QTZ WHITE MASS WITH INCLUSIONS	
				OF META GAB LESS THAN 20 CPS	
0246.7	4.0		GAB	AS AT 242.0 LCLY HBL ARRANGED IN	
				SEGREGATED CLOTS UCT & LCT SHARP	
				LESS THAN 20 CPS	
0258.2	11.5		ARG	FG-GY WELL FOTD BIOT RICH QTZ-FSP-	55
				BIOT COMP OCC BND TO 5CM OF ACT RICH	
				RK POSS ALTN OF LIME RICH SED SLLY	
				SCSS DUE TO ABNT BIOT BIOT HAS BEEN	
				ORIENTED BY WK SHRG LESS THAN 20CPS	
0262.3	4.1		SKN	FG-MG WKLY FOTD ACT-DIOP RICH WITH	55
				LCL CLOTS HBL MINOR BIOT & QTZ WKL	
				Y SHRD 4CM BND VEIN QTZ AT 261.8	
				LESS THAN 20 CPS	
0263.8	1.5		ARG	AS AT 258.2 LESS THAN 20 CPS	45
0264.8	1.0		SKN	AS AT 262.3 LESS THAN 20 CPS	55
0266.9	2.1		QTE	FG-GRLR LT GY WKLY SHRD WITH MINOR	55
				SRCT ALONG SHRG OCC DOUDTFUL PBL SOM	
				E MINOR BIOT VERY POOR FOTN CORE ANG	
				LES VAGUE LESS THAN 20 CPS CTS SHARP	
0269.0	2.1		GWKE	FG-GY WELL FOTD THIN BDD(Q)SLLY FRML	55
				FSP-QTZ-BIOT WITH MINOR SPCT ALONG	
				WK SHRG BECOMES CLEANER IE LESS BIOT	
				IN DOWNHOLE DIRECTION LESS THAN 20	
				CPS CTS SHARP	
0272.3	3.3		QTE	AS AT 266.9 LESS THAN 20 CPS CTS SHP	60
0274.3	2.0		GWKE	AS AT 269.0 LESS THAN 20 CPS CTS ARE	65
				SHARP	
0278.1	3.8		QTE	AS AT 266.9 CTS SHARP LESS THAN 20	60
				CPS	65
0283.5	5.4		GWKE	AS AT 269.0 CTS SHARP LESS THAN 20	60
				CPS	
0288.4	4.9		QTE	AS AT 266.9 LESS THAN 20 CPS LCT SLL	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0301.4	13.0	DIA	Y GRNL FG-MG DK GRN SHRD AMPB FSP WITH VERY MINOR BIOT AFTER AMPB AND SRCT AFTER FSP ALONG SHRG FOTN IS FAIR ALONG ORIENTED AMPB LESS THAN 20 CPS LCT AND UCT BOTH HAVE ALTN OVER 5-8 CM TO ACT RICH MG RK ACTUAL CT WITH QTE IS QUITE SHARP	60	
0305.8	4.4	QTE	AS AT 266.9 LESS THAN 20 CPS	60	
0311.5	5.7	GWKE	AS AT 269.0 OCC FRM FSP-QTZ TO 1CM LESS THAN 20 CPS	55	
0314.6	3.1	QTE	AS AT 266.9 OCC BND TO 5CM OF GWKE LESS THAN 20 CPS	60	
0320.4	5.8	GWKE	AS ABOVE AT 269.0 OCC BND TO 10 CM OF ARG LCLY FRML LESS THAN 20 CPS	55	
0338.9	18.5	QTE	AS AT 266.9 OCC BND TO 5CM GWKE AND ARG LESS THAN 20 CPS	65	
0343.9	5.0	GWKE	AS AT 269.0 AGIC SCSS OCC BLB PINK GAR MINOR HBL & ACT LESS THAN 20 CPS	60	
0344.5	0.6	QTE	AS AT 266.9 LESS THAN 20 CPS	65	
0352.0	7.5	GWKE	AS AT 269.0 AGLC SCSS OCC GAR OCC BND QTE TO 5CM LESS THAN 20 CPS	60	
0357.4	5.4	QTE	AS AT 266.9 LESS THAN 20 CPS	65	
0358.7	1.3	GWKE	AS AT 268.0 LESS THAN 20 CPS AGLC SL LY SCSS	60	
0360.0	1.3	QTE	AS AT 266.9 LESS THAN 20 TO 20 CPS	60	
0373.6	13.6	QTE	FG LT GY GRLR WKLY SHRD TO NEARLY MASS VERY CLEAN QTE WITH LESS THAN 1% BIOT MINOR SRCT ALONG WK SHRG LESS THAN 20 CPS	70	
0375.1	1.5	ARG	FG GY SLLY SCSS BIOT RICH OCC FRGM FSP TO 5MM STRS AND BND ACT TO 2CM SO PROB WAS A SLLY CLCR MUD LESS THAN 20 CPS	65	
0380.3	5.2	QTE	AS AT 373.6 STGL SHRD WITH ABNT SRCT ALONG SHRG RARE DOUDTFUL PBL LESS THAN 20 CPS	60	
0388.7	8.4	DIA	FG GRN POOR FOTN AMPB-FSP RK WITH MINOR BIOT AND SPCT ALONG SHRG ORIENTED AMPB LESS THAN 20 CPS	65	
0398.8	10.1	GWKE	FG DK GY-DK GRN ALT BNDS BIOT RICH AND AMPB RICH WITH TO 50-60% FSP POSS BIMODAL SOURCE IE BASIC VOCCS AND CLAYS SHRG PORNOUNCED WITH SOME CHL AND SRCT GIVING GOOD FOTN LESS THAN 20 CPS CTS SHARP	55	
0404.1	5.3	QTE	FG GRLR OCC VAGUE TO DOUDTFUL PBL LCLY HAS TO 25% GRAINS OF EUHEDRAL DIOP-ACT SO MAY HAVE BEEN A SLLY LIM Y SAND WKLY SHRD WITH MINOR SRCT ALONG SHRG LESS THAN 20 CPS	60	
0419.3	15.2	GWKE	AS AT 398.8 SOME SEGREGATED CLOTS OF HBL IN CALC-SILICATE BANDS LESS THAN 20 CPS	65	
0428.2	8.9	QTE	FG GRLR LTGY BIOT IN IREG STRS TO 1-	70	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				2% WKLY SHRD WITH MINOR SRCT ALONG SHRG CTS SHARP RARE VAGUE PBL IN QTZ MTX LESS THAN 20 CPS	
0443.4	15.2	GWKE	AS AT 398.8	LESS THAN 20 CPS	60
0446.7	3.3	QTE	AS AT 428.2	LESS THAN 20 CPS	65
0449.1	2.4	ARG	FG GY WELL FOTD BIOT	QTZ BIOT TO 30% SCSS LCLY CNRD OCC STR VEIN	65
0463.0	13.9	QTE	FG GRLR LT GY FRCD & SHRD WITH ABNT SRCT ALONG SHRG TO 5% BIOT IN IREG STKS TO 1MM THICK OCC HLY STRETCHED AND SHRD QTZ PBL TO 2CM FRACTURING GIVES BLOCKY TEXTURE WITH BIOT ALONG THESE HEALED FRGS THIS APPEARS TO BE A PRE TECTONIC FRACTURE PATTERN RARE STK CHL TO 2MM		60
0473.5	10.5	CONG	QTZ PBL CONG WITH QTZ PBLs ICM BY 3CM TO 3CM BY 8CM THESE PBLs ARE FAIR TO VAGUE AND ARE HLY SHRD PBLs OCCUR IN A QTZ MTX WITH LOCALLY TO 5% BIOT MTX IS VERY CLEAN AND NO SULP WAS OBSERVED SRCT IS ABNT ALONG SHRG		55
0486.6	13.1	GWKE	FG GY-GRN WELL FOTD BIOT AND AMPB RICH BNDs ALTG AMPB POSS ACT AND HBL GRAINS WELL ORIENTED ALONG SHRG FSP & QTZ IN GRND MASS SLLY FRML IN SOME PLACES LESS THAN 20 CPS		60
0504.7	18.1	QTE	AS AT 463.0	LESS THAN 20 CPS QTZ PBL S RARE TO DOUDTFUL WKLY SHRD CORE	55 60
0505.9	1.2	GWKE	AS AT 486.6	DOMINANTLY BIOT RICH VARIETY LESS THAN 20 CPS	60 65
0508.2	2.3	QTE	AS AT 463.0	LESS THAN 20 CPS	65
0529.1	20.9	GWKE	AS AT 486.6	LCLY CNRD WITH OCC STR VEIN QTZ TO 5MM LESS THAN 20 CPS	65 80
0530.8	1.7	QTZ	QTZ VEIN WHITE MASS TO 35% INCLUSION S OF GWKE		
0540.9	10.1	GWKE	AS AT 486.6	OCC BND AND STR VEIN QTZ LCLY CNRD AND QTZ SATD VERY AGLC OCC FRML SPKS PO-PY 2-3% HLY SHRD	55 60
0546.8	5.9	GAB	FG-MG DK GRN GOOD FOTN DUE TO ORINATION OF HBL HBL 60% PLAG FSP 40% DISS PO-PY-AND RARE SPK CP 5-7% CTS ARE SLLY ALTD OVER 5CM LESS THAN 20 CPS		50 55
0574.8	28.0	GWKE	FG-GY-DKGY GEN BIOT RICH WITH ABNT AMPB HBL MINOR DIOP TO LOCALY DIOP RICH RARE SPKS PO LESS THAN 1% LESS THAN 20 CPS CTS SHARP		65
0601.2	26.4	QTE	FG GRLR LT GY POOR TO VAGUE FOTN VERY CLEAN WITH BIOT 1-2% AND OCC BND WITH TO 5% GRN AMPB VAGUE BANDING LESS THAN 20 CPS		65

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0606.0	4.8		GWKE	FG-GY WELL FOTD FSP-QTZ-BIOT	70
				RICH AGLC LESS THAN 20 CPS	75
0610.0	4.0		SKN	FG DK GRN DIOP SKN MINOR CARB APPEAR	75
				S SLLY BXTD LCLY UP TO 20% HBL AS	
				IREG CLOTS AND CLUSTERS RARE SPK PO	
				TO 1% CORE ANGLES VAGUE	
0624.7	14.7		QTE	AS AT 601.2 RARE VAGUE TO DOUDTFUL	70
				PBL VERY CLEAN QTE LESS THAN 20 CPS	75
0629.7	5.0		GWKE	AS AT 606.0 LESS THAN 20 CPS	70
0682.0	52.3		QTE	AS AT 601.2 RARE VAGUE TO DOUDTFUL	
				QTZ PBL VERY CLEAN QTE VERY WKLY	
				SHRD WITH MINOR SRCT LESS THAN 20	
				CPS CORE ANGLE VERY VAGUE	70
				FOOT OF HOLE	75

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE
 54424-0 SAKAMI PROJECT 33F2W 01490 173 00 18000 -45 00 5002500 W014000 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -32 00 0400 -27 15 0600 -22 45 0800 -18 30
 1000 -15 00 1480 -10 15

COMMENTS

LOGGED BY..W O MANSON STARTED..MAR 07,1975 COMPLETED..MAR 22,1975
 DRILLED AQ BY BRAD BROS ON PER 547 ZONE 3&4 WATER FROM LAKE
 2800 FT EAST 120 FT NW CSG AND NW CSG SHOE LEFT IN THE HOLE

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			CELLAR	
0136.0	136.0			OVERBURDEN THROUGH SAND & BOULDERS START OF CORE	
0150.7	14.7	DIA		FG-MG DK GRN MASS WKLY FCTD AMPB FSP LCLY SOME BIOT ALONG SHRG CLOSE TO GAB IN TEXT SHRG AND ALTN OVER LAST 2 FT WITH GRAIN ORIENTATION SOM E ACT AND SRCT LCT IS SHARP LESS THA N 20 CPS	50
0159.8	9.1	QTE		FG-LT GY GRLR HLY SHRD WITH ABNT SRC T ALONG SHRG VERY CLEAN QTE WITH UP TO 1% DISS BIOT LESS THAN 20 CPS	45
0169.7	9.9	GWKE		FG-DKGY-DKGRN WELL FOTD AMPB-FSP-BIO T QTZ ASSEMBLAGE IN VARYING PROPORTI ONS WHICH GIVE A BANDED TEXT STGL SHRD MAFIC META SED LESS THAN 20 CPS	55
0171.3	1.6	QTE		AS AT 159.8 LESS THAN 20CPS	50
0176.5	5.2	UM		FG-LTGY TALC-TREM SCH HLY SHRD MTC MINOR SERP AND CARB LESS THAN 20 CPS	45
0177.2	0.7	UM		FG-DKGRN HLY SHRD SRPT WITH XTLS MTE TO 3MM RARE NEEDLE ACT LESS THAN 20 CPS HLY MTC	45
0177.6	0.4	UM		AS AT 176.5 LESS THAN 20 CPS FELTED	50
0178.3	0.7	UM		AS AT 177.2 LESS THAN 20 CPS	45
0180.2	1.9	UM		AS AT 176.5 LESS THAN 20 CPS MTC	45
0191.1	10.9	UM		FG-LT GY HLY SHRD AND SCSS TREM-TALC WELL FCTD DUE TO SHRG 2-3% FG DISS SPKS MTE HLY MTC LESS THAN 20 CPS	50
0206.1	15.0	ARK		VFG LT GY VERY WELL SORTED GRLR WKLY BNDD VERY WKLY SHRD DISS SPKS PY TO 1% FSP-KFSP QTZ IN NEALY EQUAL PROPO RTIONS LESS THAN 20 CPS	60
0215.5	9.4	QTE		FG GRLR LTGY MINOR BIOT AS DISS GRAI NS AND LCLY ALONG CRIGINAL COMPACTIO N FRACTURES GENERALLY A VERY CLEAN QTE RARE SPK DISS PY LESS THAN 1% VERY WKLY SHRD WITH MINOR SRCT ALONG SHRG LESS THAN 20 CPS	45 50

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0216.3	0.8		QTZ	VEIN QTZ WHITE MASS VITREOUS LESS TH AN 20 CPS	
0221.3	5.0		QTE	AS AT 215.5 LESS THAN 20 CPS	50
0224.2	2.9		ARG	FG DKGW WELL FOTD BIOT RICH MINOR AMPB-FSP-QTZ SCSS BOTH CTS ARE SHARP LESS THAN 20 CPS	45 55
0240.6	16.4		QTE	AS AT 215.5 LCLY HLY SHRD WITH ABNT SRCT ALONG SHRG LESS THAN 20 CPS	55
0241.8	1.2		ARG	AS AT 224.2 LESS THAN 20 CPS SHARP CTS	55
0243.1	1.3		QTE	AS AT 215.5 LESS THAN 20 CPS	55
0244.0	0.9		QTZ	QTZ VEIN WHITE MASS	
0244.6	0.6		QTE	AS AT 215.5 LESS THAN 20 CPS LCT SHP	50
0250.6	6.0		SKN	FG DK GY-DKGRN DIOP-TREM MINOR ACT AND TALC LOCALY BNDS TO 2CM BIOT SCH LCLY SHRD WITH TREM AND ACT NEED LES TO 1CM LONG IN RANDOM ORIENTATIO N TALC IS DEVELOPE LCLY WHERE SHRG IS INTENSE LESS THAN 20 CPS	55
0252.2	1.6		QTE	VFG-FG GRLR LT GY VAGUELY BANDED MINOR FSP AND BIOT QTZ 90-95% WKLY SHRD WITH MINRO SRCT LESS THAN 20 CP S UCT & LCT ARE VERY SHARP	50 55
0264.5	12.3		BSLT	META BSLT HLY SHRP FG-DK GRN AMPB-FS P WITH UP TO 5% BIOT ALONG SHRG AMPB GRAINS COMMONLY ORIENTED PLL TO SHRG NO FLOW STRUCTURE PRESERVED BECOMES VERY BIOT RICH ANG SCSS ALONG BOTH CTS LESS THAN 20 CPS	60
0270.6	6.1		GWKE	FG-MG LT GY-GY NMPS IREG ROCK FRMNS AND RARE ROUNDED QTZ PBL FRMNS FROM 0.5M TO 3MM IN A MTX OF QTZ-FSP-BIOT SHRG IS STG AND POSS PLL TO THIN BDG FRMNS & PBLs ARE STRETCHED 3 TO 1 ALONG SHRG DIRECTION PROPORTIONS OF MTX TO FRMNS AND % OF BIOT IN MTX IS VARIABLE WHICH GIVE AN APPARENT BANDING APPEARANCE ON A CM SCALE LESS THAN 20 CPS	60 65
0271.9	1.3		QTZ	VEIN QTZ WHITE MASS LESS THAN 20 CPS	
0273.0	1.1		GWKE	AS AT 270.6 LESS THAN 20 CPS	65
0273.8	0.8		QTE	AS AT 215.5 ABNT SRCT STK EUCBSITE TO IMM HLY SHRD LESS THAN 20 CPS	60
0299.3	25.5		GWKE	AS AT 270.6 LESS THAN 20 CPS	55
0329.0	29.7		GAB	FG-MG DK GRN AMP PLAG FSP AMPB TO 60 % FG AND WKLY SHRD FOR 2-3 FT FROM CTS WITH MINOR BIOT ALONG SHRG CENTR AL PORTION GENERALLY MG-MASS TO VER Y WKLY SHRD LESS THAN 20 CPS	60
0339.6	10.6		GWKE	AS AT 270.6 LESS THAN 20 CPS	60
0341.5	1.9		QTE	AS AT 215.5 LESS THAN 20 CPS HLY SHR D WITH ABNT SRCT	60
0345.8	4.3		GWKE	AS AT 270.6 LESS THAN 20 CPS	65
0350.5	4.7		GAB	AS AT 329.0 LESS THAN 20 CPS GEN FG WKLY SHRD	60 65

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0412.5	62.0		GWKE	FG DKGY-GY THIN BDD SHRP WELL INDURA TED NMRS FRMNS FESSIC RK AND RARE PBL CF FSF-QTZ BIOT COMP AND IN SOME PLACES QTZ PBL FRMNS ARE HLY STRET HED PLL TO SHRG FRMNS AND PBLs COMP TO 25% OF RK MTX IS FG QTZ-BIOT AND MINOR FSP BANDED APPEARANCE DUE TO VARYING AMOUNTS OF BIOT LESS THAN 20 CPS	60 70
0414.1	1.6		SKN	FG-MG DK GRN ACT-DIOP-MINOR HBL AND BIOT AFTER HBL ALONG WK SHRG LESS TH AN 20 CPS	65
0481.8	67.7		GWKE	AS AT 412.5 LESS THAN 20 CPS OCC BND VEIN QTZ TO 10 CM	
0490.1	8.3		GWKE	FG GY VERY FELSIC MTX WITH VERY MIND R BIOT RARE QTZ PBL TO 1CM VERY FEW ROCK FRMNS 1-2MM INTENSELY SHRD WIT H ABNT SERICITE AS LARGE FLAKES GIVI NG RK STG SCSY LESS THAN 20 CPS	70 75
0499.0	8.9		GWKE	AS AT 412.5 LESS THAN 20 CPS	70
0518.0	19.0		QTE	FG-GY GRLR SHRD BIOTITIC WITH TO 10% BIOT BANDING DUE TO VARIATION IN BIO T CONTENT SOME BANDS TO 10CM HAVE LESS THAN 1% BIOT SOME BANDS TO 2-3 CM TO 20% BIOT SOME SRCT ALONG SHRG LESS THAN 20 CPS	65
0529.8	11.8		GWKE	FG DK GY SHRD WKLY BANDED AMPB-FSP BIOT WITH TO 15% PK GAR TO 2MM WKLY FRML MOST FRMN LESS THAN 2MM LESS THAN 20 CPS MTC INTERSTITIAL MTE	60
0535.7	5.9		QTE	AS AT 518.0 BIOT RICH LCLY AGL LESS THAN 20 CPS	65
0541.9	6.2		GWKE	AS AT 529.8 LESS THAN 20 CPS MTC	65
0546.6	4.7		QTE	AS AT 518.0 LESS THAN 20 CPS	65
0550.3	3.7		SKN	FG-DK GRN ACT-BIOT-DIOP WITH MINOR QTZ AND FSP WKLY SHRD LESS THAN 20 CPS ACT AS ELONGATE NEEDLES TO 2MM LONG ORIENTED PLL TO FOTN	65
0557.5	7.2		QTE	FG-GY GRLR VAGUE BNOG DUE TO SLT VARIATIONS IN BIOT CONTENT SRCT ALON G SHRG RARE VAGUE TO DOUDTFUL PBL LESS THAN 20 CPS	65
0561.2	3.7		GWKE	FG-GY WELL INDURATED VAGUE BNDG FROM COMP VARIATION FRML STGY SHRD MINOR SRCT LESS THAN 20 CPS	65
0562.8	1.6		QTE	AS AT 557.5 LESS THAN 20 CPS	65
0563.3	0.5		SKN	SKN QTE MELANGE FRMNS QTE ARE IN A MASS DIOP HBL BIOT HFLS MAY HAVE BEEN A CLCR ZONE WITHIN THE ORIGINAL SANDSTONE FORMATIONS LESS THAN 20CPS	
0565.1	1.8		QTE	AS AT 557.5 OCC VAGUE STRETCHED PBL IN QTZ MTX LESS THAN 20 CPS	60
0567.1	2.0		CONG	QTZ PBL FG-GY GRLR UP TO 60% STRET HED QTZ PBLs IN A QTZ AND MINOR BIOT	50

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0573.1	6.0	QTE		MTX PBL5 2MMX10MM TO 1CMX4CM NO SULP MINERALIZATION LESS THAN 20 CPS AS AT 557.5 RARE TO DOUDTFUL STRETCH E PBL LESS THAN 20 CPS	55 65
0587.1	14.0	BSLT		FG-VFG DK GRN HLY SHRD WITH BIOT AFT FR AMPB ALONG SHRG AMPB-60% PLAG FS P 40% LESS THAN 20 CPS	50 60
0589.8	2.7	GWKE		FG-DK GRN AMPB FSP QTZ MAFIC SED OF BASIC VOLC DERIVATION STGL SHRD WITH RARE STP QTE TO 2CM LESS THAN 20 CPS	45 50
0593.1	3.3	IF		FG-DKGY THIN BNDD BIOT-QTZ-FSP WITH CLOTS AND STKS PK GAR TO 5% DISS AND STR TO 0.5MM OF MTE POSS HLY MMPD CHEMICAL IF LESS THAN 20 CPS	50
0594.6	1.5	GWKE		FG-GY WELL FOTD VAGUE BNDG ON CM SCA LE DUE TO SLIGHT COMP CHANGES WKLY FRML QTZ-FSP-BIOT COMP LESS THAN 2/ CPS	55
0597.0	2.4	QTE		FG-GY GRLR MINOR BIGT WKLY SHRD OCC VAGUE TO DOUDTFUL PBL LESS THAN 20 CPS	60
0602.0	5.0	GWKE		AS AT 554.6 MINOR ACT AND BIOT RICH FOR LAST 1.0 FT LESS THAN 20 CPS	60 65
0610.6	8.6	IF		AS AT 593.1 HLY MTC LCLY QTZ RICH LESS THAN 20 CPS	65
0614.7	4.1	IF		FG DKGY-LTG THIN BNDS 1-2MM ALT LTGY STRS QTZ RICH AND DKGY-BLK MTE RICH MTE TO 35% OF RK OCC SPK PY LESS THA N 1% RARE BND TO 3CM GAR RICH LESS THAN 20 CPS HLY MTC	55 60
0616.3	1.6	GWKE		AS AT 524.6 LESS THAN 20 CPS 15% GC	
0617.6	1.3	GC		GROUND CORE	
0619.7	2.1	GWKE		AS AT 524.6 RARE GAR RARE SPKS PY- CP LESS THAN 1% OCC STR TO IMM SLLY MTC PROB MTE LESS THAN 20 CPS	
0633.8	14.1	GAB		FG-MG DK GRN MASS TO FG WKLY SHRD NEAR CTS CTS ARE SHARP AMP-FSP AND MINOR ACT OCC BIOT WHERE SHRD RARE SPK PY MUCH LESS THAN 1% LESS THAN 20 CPS	
0648.6	14.8	GWKE		FG-GY WELL BNDD DUE TO COMP VARIATIO NS STGLY FRMN WITH TO 20% FRMNS IN A MTX OF QTZ-BIOT FSP RARE PK GAR HLY SHRD PLL TO BNG FRMNS FROM IMM TO 5M M STRETCHES PLL TO FOTN LCLY SOME BND S HAVE TO 10% ACT SO SED WAS PROBABL Y LCLY CLCR LESS THAN 20 CPS	65 75
0703.3	54.7	GAB		AS AT 633.8 CTS SHP VERY SLLY ALTD LESS THAN 20 CPS	
0732.9	29.6	GWKE		FG-DKGY AGLC FRML WITH FRMNS TO 30% BUT SMALL GEN LESS THAN IMM TO IMM VERY BIOT RICH IN MANY PLACES TO 30% REST OF MTX IS QTZ-FSP RARE PK GAR TO IMM LESS THAN 20 CPS	65 75
0742.7	9.8	PEG		CG MASS LT GY GR DIORITE COMP 10%	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				OF FSP IS K FSP IREG BOOKS MUSC TO 1-2 CM AND TO 5% DISS IREG BIOT WKLY SHRD IN SOME PLACES BOTHS CTS ARE MG OVER 10-15 CM AND ARE SHARP LESS THAN 20 CPS	
0750.7	8.0	GWKE	AS AT 732.9	LESS THAN 20 CPS	70
0765.5	14.8	BSLT	META FG-DK GRN HLY SHRD AMPB FSP		70
			WITH BIOT ALONG SHRG NO FLOW STRUCTU RE REMAINS SOME BND VFG MAY HAVE BEE N FLOW MARGINS(Q)RARE SPK PY PO LESS THAN 1% LESS THAN 20 CPS		65
0767.2	1.7	GC			
0771.3	4.1	BSLT	AS AT 765.5	LESS THAN 20 CPS	65
0789.0	17.7	GWKE	FG DK GY AGLC BIOT-QTZ MINOR CHL		70
			OCC PK GAR OCC LARGE PBL TO 3-4 CM MOST ARE QTZ BUT RARE ONE IS QTZ FSP THESE LARGE PBLs FORM 5-7% OF THE RK AGLC MTX IS WKLY FRML WITH FRMNS TO 2MM COMP 10% OF MTX LESS THAN 20CPS		
0790.3	1.3	ARK	FG-LT GY MOTTLED FSP 40% QTZ 60% MAS S TEXT RARE FLAKES BIOT AND MUSC LESS THAN 20 CPS		
0806.9	16.6	GWKE	AS AT 789.0	PBLs ARE FEWER AND SMALL FR LESS THAN 20 CPS LCL BNDS TO 10 CM ARE ACT RICH TO 20% OF RK	65 70
0809.1	2.2	CONG	QTZ PBL FG GY BLK QTZ PBLs 1CM TO 3CM COMP 75% OF RK PBLs IN BIOT AND MINOR QTZ MTX NO SULP PRESENT LESS THAN 20 CPS PBLs STRETCHED 3 TO 1		70
0812.9	3.8	GWKE	AS AT 789.0	RARE SMALL PBL LESS THAN 70 20 CPS	
0813.5	0.6	ARK	AS AT 790.3	LESS THAN 20 CPS	70
0814.1	0.6	GWKE	FG-GY AGLC FRML RARE QTZ PBL IN BIO T RICH BIOT-QTZ MTX LESS THAN 20CPS		70
0815.4	1.3	ARK	AS AT 790.3	LESS THAN 20 CPS	
0822.9	7.5	GWKE	AS AT 789.0	RARE QTZ PBL BUT OCC COB BLE TO 10 CM OF GY MG GRANITE GEN FG-WKLY FRML AGLC LESS THAN 20 CPS	70
0833.7	10.8	DIA	FG DK GRN WKLY SHRD TO MASS AMP FSP WITH MINOR BIOT AND SRCT ALONG SHRG LESS THAN 20 CPS		65 75
0835.4	1.7	BSLT	VFG-DK GRN WKLY SHRD AMPB-FSP CTS SHARP LESS THAN 20 CPS POSS VAGUE FLOW BNDS AT 50 LCT AT 50		50
0837.1	1.7	DCT	VFG APHANITIC LT GY 10-15% QTZ 3-5% K FSP 80% PLAG FSP VAGUE FLOW BNDG AT 45 DG VFG SPKS BIOT 1% BOTH CTS SHARP UCT AT 50 LCT 30 LESS THAN 20 CPS		50
0837.7	0.6	BSLT	AS AT 835.4	LESS THAN 20 CPS	
0851.5	13.8	DIA	AS AT 833.7	LESS THAN 20 CPS BECOMES FG NEAR CTS	70 75
0864.1	12.6	GWKE	FG DKG Y AGLC FRML WITH FRMN 2-3MM COMP 10-15% OF RK RARE VAGUE TO DOUD TFUL PBL MTX VERY BIOT RICH WITH SOM		70 75

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
1039.1	175.0	DIA		E VFG QTZ AND FSP OCC STR VEIN QTZ LESS THAN 20 CPS FG-MG DK GRN WKLY SHRD TO MASS SLLY FELTED TEXT AMPB-FSP MINOR BIOT WHE RE SHRD VERY WKLY MTC PROB SOME INTE RSTITIAL MTE LES THAN 20 CPS UCT I SHARP OCC CARB FILLED FRACTURE MINO R BIOT WHERE SHRD RARE BND VEIN QTZ 1CM TO 10 CM LAST IFT TO LCT IS HLY SHFD AND BECOMES FG LCT SHARP AND CONFORMABLE WITH NEXT UNIT	
1048.2	9.1	BSLT		VFG DK GRN WKLY SHRD NO FLOW TEXT OBSERVED AMPB FSP BASIC META VOLC LESS THAN 20 CPS	55
1048.6	0.4	VEIN		QTZ VEIN WHITE MASS LESS THAN 20CPS	
1050.7	2.1	BSLT		AS AT 1048.2 LESS THAN 20 CPS	55
1051.8	1.1	BX		BX ZONE FRMN BSLT AND ALTERED BSLT IN HYDROTHERMAL QTZ MTX 1-2% SPKS PD LESS THAN 20 CPS	
1061.2	9.4	BSLT		AS AT 1048.2 LESS THAN 20 CPS SOME BIOT OVER LAST 5CM LCT IREG POSS ERODED SURF ON THE BSLT	60
1068.8	7.6	SKN		FG-GY POORLY FOTD CALC-SILICATE RK MAJOR MIN IS TREM SOME ACT POSS SOME MINOR QTZ AND FSP LIGHT GY-GRN LESS THAN 20 CPS UCT SHARP LCT IS GRADATI ONAL OVER 10 CM	
1080.9	12.1	GWKE		FG-GY WELL FOTD CONG PBL 5MM LONG TO 3CM LONG FORM FROM 5% TO 20% OF TO 3CM LONG FORM FROM 5% TO 20% OF THE RK SOME OF THE PBL ARE QTZ BUT MOST ARE FSP QTZ BIOT AND APPEAR TO BE GR COMP OR POSS A REWORKE META ARK THE MTX IS SKARNY HAVING UP TO 15% TREM ACT WITH THE NORMAL FSP QTZ BIOT TYPE LESS THAN 20 CPS	65 75 75
1090.6	9.7	GWKE		FG DK GRN MAFIC META SED AMPB TO 70% WITH FSP AND MINOR BIOT WKLY SHRD FOTN FAIR RARE GRC PBL LESS THAN 20 CPS	70
1097.5	6.9	BSLT		AS AT 1048.2 BOTH CTS SHARP AND CONF ORMABLE LESS THAN 20 CPS	65 70
1108.8	11.3	GWKE		AS AT 1090.6 LESS THAN 20 CPS	75
1110.5	1.7	ARG		FG-DK GY SCSS BIOT 40% FSP 60% RARE PBL TO 2MM LESS THAN 20 CPS	75
1112.4	1.9	GWKE		FG DK GY WELL FOTD ACT BIOT RICH SLL Y SCSS OCC BNDS ARK TO 5CM LESS THAN 20 CPS	70 75
1113.6	1.2	ARK		FG GRLR LTGY QTZ FSP MINOR BIOT WKLY SHRD WITH MINOR SRCT ALONG SHRG CTS SHARP LESS THAN 20 CPS	70
1124.8	11.2	GWKE		FG DKG Y AGLC & LCLY SKARNY RARE PBL TO 5MM WKLY FRML BIOT FSP MINOR QTZ LCL BNDS TO 10 CM BIOT RICH AND SCSS ALSO LCL BNDS TREM ACT RICH 5-10 CM	65 75

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
1125.3	0.5	VEIN	QTZ VEIN WHITE MASS	LESS THAN 20 CPS CTS ARE GRADATIONAL	
1133.0	7.7	GWKE	AS AT 1124.8	LESS THAN 20 CPS	70
1133.6	0.6	VEIN	QTZ VEIN WHITE MASS	LESS THAN 20 CPS	
1144.6	11.0	GWKE	AS AT 1124.8	LESS THAN 20 CPS	
1145.1	0.5	PEG	CG GY MASS	QTZ FSP	
1146.3	1.2	GWKE	AS AT 1124.8	LCT APPEARS TRUNCATED AND UNCONFORMABLE WITH NEXT UNIT	65
				ANGLE OF UNCONFORMITY VAGUE AT 10-15	
1149.1	2.8	ARK	FG GRLR QTZ FSP	MINOR BIOT HLY SHRD WITH SRCT ALONG SHFG SOME VAGUE TO	75
				DCUDTFUL PBL OF QTZ FSP BIOT COMP	
				LESS THAN 20 CPS	
1153.7	4.6	GWKE	AS AT 1124.8	AGLC NO PBLs LESS THAN 20 CPS	70
1156.8	3.1	GWKE	FG GY DKG Y PBLs TO 25%	HLY SHRD WITH ABNT SRCT PBLs ARE QTZ FSP AND SOME	70
				QTZ PBLs PBLs ARE VERY SHRP AND STR	75
				ETCHED LESS THAN 20 CPS	
1161.5	4.7	ARG	FG DK GY BIOT FSP	QTZ BIOT VERY T SCSS LCLY BNDS LT GY GWKE TO 5CM	75
				LESS THAN 20 CPS	
1162.3	0.8	CONG	QTZ PBLs 5MM TO 1.5 CM	HLY STRETCHED IN AIFG DK GY BIOT RICH MTX PBLs TO	75
				30% LESS THAN 20 CPS	
1164.0	1.7	ARG	AS AT 1161.5	LCLY ARKOSIC RARE QTZ PBL LESS THAN 20 CPS	70
1169.3	5.3	CONG	PBL CONG PBLs ARE 80% OF RK	75% OF THE PBLs ARE GRC 25% ARE POSS QTZ	75
				PBLs MTX IS FSP BIOT QTZ RARE SPKS	
				PY LESS THAN 1% RK IS HLY SHRD WITH	
				SOME SRCT ALONG SHRG CTS ARE GRDL	
				OVER 5CM LESS THAN 20 CPS	
1172.3	3.0	ARG	AS AT 1161.5	LESS THAN 20 CPS	70
1175.7	3.4	CONG	AS AT 1169.3	MTX SLLY MORE BIOT RICH LESS THAN 20 CPS	70
1176.5	0.8	VEIN	QTZ VEIN WHITE MASS	LESS THAN 20 CPS	
1181.0	4.5	CONG	AS AT 1169.3	LESS THAN 20 CPS	70
1181.6	0.6	SCH	VFG DK GY WELL FOTD	AMPB FSP MINOR Q TZ MINOR BIOT AFTER AMPB ALONG SHRG	70
				CTS SHARP MAY BE A META INT VOLC	
				LESS THAN 20 CPS	
1185.0	3.4	CONG	AS AT 1169.3	LESS THAN 20 CPS	70
1185.5	0.5	SCH	AS AT 1181.6	LESS THAN 20 CPS	70
1193.7	8.2	CONG	AS AT 1169.3	RARE SPKS PY MUCH LESS THAN 1% PBLs ARE LESS THAN 5MM AND	75
				UP TO 40% ARE QTZ PBLs LESS THAN 20	
				CPS	
1219.4	25.7	BSLT	VFG DK GY DK GRN MASS	TO WKLY SHRD AMPB FSP SLLY PRPC WITH AMPB PHCR TO	70
				0.5MM RARE SPKS PY NO OBSERVED FLOW	
				STRUCTURE LESS THAN 20 CPS	
1224.1	4.7	GWKE	GY MG FG HLY FRML	WITH FRMS GRC COMP AND AS GRAINS QTZ AND FSP IN A BIOT	70
				POOR TO LCLY BIOT RICH MTX BCTH CTS	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
				SHARP LESS THAN 20 CPS RARE VAGUE TO DCUDTFUL PBL	
1228.7	4.6	BSLT	AS AT 1219.4 LESS THAN 20 CPS BOTH	CTS ARE SHARP	75
1250.1	21.4	GWKE	FG DK GY TO LT GY FRML WITH FRMN TO 1CM IN SOME PLACES GEN IMM OR LESS	MTX IS BIOT FROM BIOT RICH LOCALLY TO GEN 5% HLY SHRP WITH ABNT SRCT TO 1135.4 SCSS WHERE BNDS TO 10CM OF BIOT RICH LESS THAN 20 CPS	65 70
1257.7	7.6	SKN	FG DKGRN POORLY FOTD TREM ACT MINOR	CHL BIOT AND SOME FSP PROB ORGLY A CLCR SED	70
1271.1	13.4	GWKE	AS AT 1250.1 LESS THAN 20 CPS		70
1276.6	5.5	ARG	FG DK GY BIOT AMPB FSP WELL FOTD CLA Y RICH SED OCC FSP QTZ CLAST TO 1MM		70 75
1357.5	80.9	ARK	FG GRLR LT GY WKLY SHRD POOR FOTN FSP QTZ BIOT AND MINOR MUSCOVITE LCL	BNDS TO 10 CM OF ARG TEXTURE APPEAR S PBLY IN SOME PLACES HOWEVER INDIVI DUAL PBLs ARE VAGUE AND COMP APPEARS TO BE QTZ FSP BIOT MUSC AS IS THE MT X IF CONG THEN IS A POLYMICTIC CONG CORE ANGLES ARE VAGUE AND IREG IT IS OFTEN SO DISRUPTED THAT IT IS SUGGESTIVE OF A TURBIDITE TYPE MELAN GE (Q) LESS THAN 20 CPS	70 75
1384.3	26.8	GAB	META GAB FG MASS DK GRN 70% AMPB 27%	FSP 3% QTZ WKLY SHRD AND FG OVER FI RST 2 FT MINOR BIOT LESS THAN 20CPS LAST 1 FT IS FG WKLY SHRD WITH BIOT AFTER AMPB ALONG SHRG BOTH CTS ARE SHARP AT 55	75
1415.5	31.2	ARK	AS AT 1357.5 VAGUE FOTN LESS THAN 20 CPS		
1417.3	1.8	GAB	FG DK GRN HLY SHRD ABNT BIOT ANDACT ALONG SHRG BOTH CTS SHARP AT 65	OCC INCLUSION OF ARK NEAR MARGINES	65 75
1420.1	2.8	ARK	AS AT 1357.5 LESS THAN 20 CPS		
1445.0	24.9	GAB	AS AT 1384.8 UCT IREG INTRUSIVE CON TAIN NMRS INCLUSIONS OF ARK AND IS ACT RICH FOR FIRST 10 CM HLY SHRD WITH ABNT BIOT ALONG SHRG OVER FIRST 2 FT		65
1449.4	4.4	GC G	ROUND CORE		
1490.0	40.6	GAB	AS AT 1384.3 FG DK GRN MASS LCL BNDS TO 10 CM WKLY SHRD CORE ANGLES VAGUE TO MASS FOOT OF HOLE		70 75

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE CHK'D.....
 54425-0 SAKAMI PROJECT 33F2W 00887 173 00 18000 -45.00 0000 S000350 W004800 DATE.....

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0200 -43 45 0400 -36 45 0600 -35 00 0800 -23 15

COMMENTS

LOGGED BY..W O MANSON STARTED..MAR 05, 1975 COMPLETED..MAR 10, 1975
 DRILLED AQ BY BRAD BROS ON PER 548 ZONE 1&2 WATER FROM LAKE
 1500 FT NORTH 64 FT NW CSG AND NW CSG SHOE LOST IN HOLE

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0065.0	65.0			OVERBURDEN SAND AND BOULDERS START OF CORE	
0068.3	3.3	GWKE		FG GY BIOT-QTZ-FSP BIOT TO 20% SCSS WKLY SHRD STRS PO PY TO 10% IN FIRS T 0.5 FT MINOR HBL LAST 10 CM HLY ALTD WITH ABNT CHL ACT AND SOME HBL ALS BECOMES MG HERE ALTN PROB BY CT META LESS THAN 20 CPS	50
0070.8	2.5	SKN		FG PALE GRN CALC-SILICATE RK ACT AN D MINOR DIOP MASS RADIATING AGREGATES OF ACT CONTAINS UP TO 30% QTZ GRA	
0077.3	6.5	QTE		INS OVER LAST 0.5 FT LESS THAN 20CPS FG-LT GY GRLR WKLY SHRD UCT AND LCT GPADATIONAL VERY CLEAN QTE WITH LESS THAN 5% BIOT AND MINOR SRCT ALONG WK SHRG CORE ANGLE ARE VAGUE LESS THAN 20CPS	65
0078.5	1.2	QTE		AS AT 77.3 HLY SHRD AND UP TO 20% SRCT	
0080.6	2.1	UM		FG-MG DK GRN HLY SHRD WITH BIOT AFTE R AMPB ALONG SHRG AT CTS GENERALLY MASS SERP OCC BLOTCH DK GRN RELIC OLIVENE POSS META PERID	
0084.4	3.8	QTE		AS AT 77.3 LESS THAN 20 CPS	
0086.6	2.2	SKN		FG PALE GRN ACT HLY SHRD LCT BECOMES PROGRESIVLY COARSER GRAINED AND TALC OSE MAY IN PART BE CHILLED MARGIN OF UM MTC	
0088.4	1.8	UM		FG GY MASS SERP SLLY TALCOSE ALONG WK SHRG	
0090.5	2.1	UM		FG GY MASS TALC-SERP GROUND MASS WIT H DK GRN EUHEDRAL TO ANHEDRAL CLOTS OF SERP AFTER OLIVENE IE RELIC OL SOME OLIVENE MAY STILL BE PRESERVED IN THE CORES OF THESE CLOTS HLY MTC DUE TO INTSTITIAL MTE	
0091.5	1.0	UM		AS AT 88.4	
0093.3	1.8	UM		MASS HLY SHRD SRPT FG LTGRN WITH	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0103.3	10.0		DIA	SRPN GRNS ORIENTED BY INTENSE SHR MINOR TALC XTLS MTE TO 10% MTC FG-DK GRN CHILLED MARGINS ARE SHRD RESTWKLY SHRD HBL PLAG FSP TEXT IS CLOSER TO GAB THAN TO DIA	
0104.8	1.5		UM	AS AT 93.3 HLY MTC	55
0108.9	4.1		UM	AS AT 88.4 WKLY MTC	55
0116.6	7.7		UM	AS AT 93.3 HLY MTC	50
0123.1	6.5		UM	AS AT 93.3 HLY MTC	45
0126.1	3.0		UM	AS AT 88.4 WKLY MTC	
0132.9	6.8		UM	AS AT 93.3 HLY MTC	65
0135.0	2.1		UM	FG-GY MASS TALC GROUNDMASS WITH INCREASING FROM 0 TO 30% OF CLOTS TO 1CM OF DK GRN SRPN AFTER OLVN VERY SLLY SHRD VAGUE CORE ANGLES	
0142.9	7.9		UM	MASS FG CKTK TEXTURE OF UP TO 60% EUHEDRAL TO IREG CLOTS OF SERP AFTER OLVN POSS SOME OLVN PRESERVED IN COR E OF THESE CLOTS CLOTS OCCUR IN A FG GY MASS GROUNDMASS OF TALC AND TREM HLY MTC DUE TO DISS AND INTERSTI TIAL MTE	
0152.9	10.0		UM	AS AT 142.9 CLOTS OF DK GRN SERP DIMINISH TO LESS THAN 10% OVE LAST 2 FT	
0156.1	3.2		UM	FG-GY TALC SCH WITH UP TO 40% OF RAD ITING SUNS OF TREM TO 1 CM DIAMETER FOTN VERY POOR ALONG WK SHRG WKLY MTC	
0158.5	2.4		UM	AS AT 93.3 NO MTE XTLS	50
0168.4	9.9		GAB	FG-MG DKGRN MASS TO WKLY SHRD AMPB PYX PLAG FSP MINOR SRPN ALONG SHR BECOMES FG AND SHRD WHEN 1FT FROM UCT VERY WKLY MTC	
0175.8	7.4		GAB	AS AT 168.4 BECOMES FG OVER LAST 4 FT	65
0176.3	0.5		UM	SRPT FG-GRN HLY SHRD WITH GRNS MTE TO 10% HLY MTC	
0177.8	1.5		UM	FG MG LT GRN SUNS OF TREM TO 60% IN FG GY TALC GRNDMASS	
0180.5	2.7		UM	AS AT 176.3 HLY MTC	
0183.0	2.5		UM	FG-GY MASS TALC WITH UP TO 30% SUNS OF TREM IN RADIATING CLUSTERS TO 2CM IN DIAMETER	
0185.8	2.8		UM	SRPT AS AT 176.3 IREG OCCURING XTLS MTE UP TO 3MM CAN LCLY FORM 5-10% OF RK RARE SUN OF TREM	65
0195.8	10.0		GAB	AS AT 168.4 FG WKLY SHRD VFG FOR 0.5 FT FROM UCT WKLY MTC DUE TO VFG DISS MTE POSS INTERSTITIAL	65
0203.0	7.2		GAB	AS AT 195.8	65
0208.0	5.0		GAB	AS AT 195.8	65
0212.0	4.0		UM	FG-LT GRN MASS TO WKLY SHRD SRPT MINOR TREM OCC XTL MTE TO IMM SLLY MTC	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0222.0	10.0	UM		FG-GY GRND MASS WITH TO 20% DK GRN FEATHERY TO ERODED SRPD OLVN AND OLVN RANDOMLY ORIENTED RARE XTL TREM HLY MTC DISS VFG XTLS MTE AND INSL MTE	
0225.7	3.7	UM		FG-GY WKLY SHRD-MASS TALC-TREM WITH VFG DISS SPKS MTE	70
0231.4	5.7	UM		AS AT 222.0 SRPD OLVN TO 60% MTC	
0235.1	3.7	UM		AS AT 222.0 LGE OLVN CLOTS TO 2CM MTC	
0241.1	6.0	UM		AS AT 225.7 MTC DISS SPKS MTE 5%	
0251.1	10.0	UM		FG MOTTLED MASS BLEBS AND CLUSTERS DK GRN SRPD OLVN & OLVN TO 70% IN A FG LT GY TALC AND MINOR TREM GROUND MASS RARE CARB FILLED FRACTURE TO 3-4MM	
0257.7	6.6	UM		AS AT 251.1	
0258.8	1.1	UM		FG HLY SHRD SRPT OCC NEEDLES ACT XTL S MTE HLY MTC	65 70
0265.0	6.2	UM		AS AT 251.1	
0272.1	7.1	UM		AS AT 251.1	
0273.1	1.0	BX		BX ZONE FRMS HLY ALTD UM WITH CARB AND QTZ FILLING SPACES BETWEEN FRMS	
0275.0	1.9	UM		AS AT 251.1 SRPD OLVN & OLVN TO 85%	
0285.0	10.0	UM		AS AT 251.1	
0294.6	9.6	UM		AS AT 251.1	
0299.4	4.8	UM		FG-GY MASS TO WKLY FOTD SRPT WITH RA RE ELONGATE RELIC OF SRPD OLVN	70
0300.8	1.4	UM		AS AT 251.1	
0306.1	5.3	UM		AS AT 299.4 HLY SHRD & CNRD NO OLVN XTLS	35 65
0316.1	10.0	UM		AS AT 251.1 CLOTS OLVN & SRPD OLVN TO 85%	
0326.1	10.0	UM		AS AT 251.1	
0336.1	10.0	UM		AS AT 251.1	
0340.3	4.2	UM		AS AT 251.1	
0343.8	3.5	UM		AS AT 299.4	
0345.0	1.2	UM		AS AT 251.1	
0353.8	8.8	UM		FG PALE GRN SHRD TO MASS SRPT NON MTC POOR FOTN ALON SHRG MINOR TALC ALONG SHRG	45 55
0358.5	4.7	UM		FG-LTGY TALC SCH WITH NMRS CLUSTER OF RADITING TREM NEEDLES LOCALLY TO 20% SRPN EXTREMELY SOFT AND FRIABLE	70
0362.1	3.6	GC		GROUND CORE	
0363.4	1.3	UM		AS AT 358.5	60
0369.0	5.6	QTZ		VEIN QTZ WHITE TO GLASSY MASS INCLUS IONS OF UM TALC SCH TO 5%	
0372.5	3.5	UM		AS AT 358.5	70
0375.7	3.2	GC		GROUND CORE	
0378.2	2.5	QTZ		WHITE TO GLASSY MASSIVE VEIN QTZ	
0380.3	2.1	GC		GROUND CORE PROB WAS TALC SCH	
0387.6	7.3	QTZ		AS AT 378.2	
0390.7	3.1	UM		AS AT 358.5	
0401.4	10.7	QTZ		AS AT 378.2	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0403.7	2.3	UM	UM	TALC SCH AS AT 358.5	
0404.5	0.8	QTZ	QTZ	AS AT 378.2	
0408.5	4.0	UM	UM	TALC SCH AS AT 358.5	45
0409.0	0.5	QTZ	QTZ	AS AT 378.2	
0411.5	2.5	UM	UM	AS AT 358.5	65
0414.1	2.6	GC	GC	GROUND CORE	
0438.6	24.5	ARG	ARG	FG DK GRN WELL FOTD MAFIC SED BIOT- ACT MINOR CHL MINOR FG QTZ&FSP GRAIN S LCLY SLLY CLCR RARE CLUSTERS AMPB GRNS AT RANDOM DIRECTIONS TO FOTN SO MUST BE NEW GROWN AFTERSHRG 5% GC	35 45
0445.0	6.4	GC	GC	GROUND CORE	
0451.2	6.2	ARG	ARG	AS AT 438.6	
0459.7	8.5	UM	UM	FG PALE GRN WKLY FOTD TO MASS SRPT UCT AND LCT ALTD OVE 10 CM TO TALC SCH 10% GC	50
0468.8	9.1	SKN	SKN	FG DK GRN CLCR META SED WITH HIGH MAFIC MIN CONTENT ABNT DIOP & ACT LCLY CARB STRS MINOR BIOT AND CHL HLY SHRD GOOD FOTN ALONG SHRG	50
0486.7	17.9	BSLT	BSLT	FG-VFG DK GN WK FOTN VAGUE-DOUDFUL FLOW STRUCTURE IE FLOW BNDG MODE IS HBL-PLAG FSP WITH SOME ALTN OF THESE TO MINOR BIOT AND SRCT ALONG SHRG	60
0512.5	25.8	QTE	QTE	FG GRLR LTGY FRCD MINOR SPKS BIOT AN D CHL OCC BAND TO 5-CM GWKE WKLY SHD LESS THAN 20 CPS OCC BND TO 10 CM OF MASS GLASSY WHITE VEIN QTZ	65
0518.1	5.6	GWKE	GWKE	FG GY WELL FOTD SLLY SCSS BIOT CHL RICH MINOR AMPB FSP AND QTZ HLY SHRD WITH SOME TALC AND SRCT ALONG SHRG LESS THAN 20 CPS	65
0542.3	24.2	BSLT	BSLT	AS AT 486.7 VAGUE FLOW BNDG WKLY SHR D RARE SPK PO-PY LESS THAN 1% FSP-AM PB COMP WITH MINOR BIOT ALONG SHRG LESS THAN 20 CPS VFG AT LCT	65 70
0567.4	25.1	GWKE	GWKE	FG DK GRN POORLY BND AMPB-BIOT-FSP ROCK WITH FAIR FOTN WKLY FRML META SED OF BASIC VOLC DERIVATION LESS THAN 20 CPS WKLY SHRD WK BNDG DUE TO MINOR COMP VARIATION	55 60
0574.8	7.4	QTE	QTE	FG-GRLR LTGY SHRD WITH ABNT SRCT ALONG SHRG LCLY BIOTC	55 60
0582.1	7.3	SKN	SKN	FG-MG MASS BIOT-TREM-TALC-SRCT LCLY MINOR DIOP AND ACT RARE FRMN QTZ THA T MAY BE A PEBBLE CLCR META CLCR SED VERY MIXED POSS CLCR TURBIDITE LESS THAN 20 CPS CORE ANGLES OBSCURE	
0586.3	4.2	QTE	QTE	AS AT 574.8 LESS THAN 20 CPS WKLY SHRD CORE ANGLES VAGUE	60
0606.5	20.2	GWKE	GWKE	FG-GY HLY SHRD SLLY PBLY IN SOME PLA CES MTX IS BIOT RICH LOCALY HAS TRE M ABNT SRCT ALONG SHRG OCC NEEDLE HBL PROB A SLLY CLCR GWKE SED WITH SOME PBL & FRMTS PBL ARE NOT CLEA	60

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0617.2	10.7	GWKE		N QTZ PBLs BUT CONTAIN SOME BIOT & FSP LESS THAN 20 CPS	
				FG-LTG WELL FOTD BND APPEARANG BIOT- FSP-QTZ IN POORLY SGREGATE STRS. AND BNDs 3MM TO 3CM HLY SHRD WITH ABNT SRCT SCSS WHERE BIOT RICH LESS THAN 20 CPS	55 40
0631.9	14.7	GWKE		AS AT 617.2 WITH OCC BND DIOP-ACT(Q) RICH TO 5CM THICK MAY HAVE BEEN SLL Y CLCR ZONES IN ORIG SED LESS THAN 20 CPS FOTN LCLY CNRD	25 60
0638.8	6.9	GWKE		FG GY-GRN WELL FOTD RARE DIRTY PBL OR LGE FRMN TO 1CM FSP RICH MINOR CHL ABNT SRCT ALONG SHRG LESS THAN 20 CPS	45
0642.1	3.3	BSLT		VFG GRN WKLY BNDD POSS FLOW BNDG AMPB-FSP WITH MINOR BIOT ALONG SHRG LESS THAN 20 CPS	50
0654.5	12.4	GWKE		FG LT GY SLLY PBLy HLY SHRD WITH ABN T SRCT ALONG SHRG RARE QTZ PBL TO 2-3MM MINOR BIOT TO 5% LESS THAN 20 CPS	40
0676.2	21.7	GWKE		FG-GY-GRN FSP-AMPB-BIOT HLY SHRD WIT H SRCT AND BIOT ALONG SHRG OCC CLAST S QTZ-FSP MATERIAL TO 3-4MM MAFIC RICH SED LESS THAN 20 CPS	50 65
0700.3	24.1	GWKE		AS AT 654.5 BIOT COMMONLY TO 10% HLY SHRD LCLY NMRS SMALL QTZ PBLs CR FRMNS 2-3MM LOCALY VERY AGLC RARE QTZ PBL TO 1CM HLY STRETCHED LESS THAN 20 CPS	55 65
0705.6	5.3	BSLT		FG-VFG DK GRN AMPB-FSP WKLY SHRD VAG UELY BNDD MINOR BIOT DEVELOPMENT ALONG SHRG LESS THAN 20 CPS	65
0713.4	7.8	GWKE		AS AT 654.5 VAGUE TO DISTINCT PBLs 2-3MM TO 15% LESS THAN 20 CPS	60 65
0735.3	21.9	BSLT		AS AT 705.6 OCC FSP PHCR WITH IREG OUTLINE TO 1CM OVER LAST 4 FT THESE MAY BE RELIC AMYGDULES MINOR BIOT ALONG SHRG LESS THAN 20 CPS	65
0746.8	11.5	GWKE		FG-GY-LTGY SMALL QTZ PBLs TO 3MM AND FSP-QTZ RK FRMNS IN BIOT-QTZ-FSP MTX PBLs & FRMN TO 30% OF RK HLY SHRD AND STRETCHED SRCT ALONG SHRG BIOT IN MTX PARTIALLY ORIENTED WITH SHRG AND PARTIALLY DRAPED ALONG PBL & FRMN BOUNDRIES LESS THAN 20 CPS	60
0758.0	11.2	BSLT		AS AT 735.3 LESS THAN 20 CPS	50
0760.9	2.9	GWKE		FG-VFG BIOT-FSP-AMPB IE MAFIC SED SLLY BANDED DUE TO VARYING BIOT CONTEN T GOOD FOTN ALONG ORIENTED BIOT AND AMPB WKLY SHRD LESS THAN 20 CPS	50 55
0780.8	19.9	BSLT		AS AT 705.6 LESS THAN 20 CPS RARE POSS FLOW MARGINS AND FLOW BANDING	60 65
0849.8	69.0	GWKE		AS AT 746.8 HLY SHRD ABNT SRCT LESS	50

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0852.4	2.6			THAN 20 CPS	65
0853.2	0.8			BSLT AS AT 705.6 LESS THAN 20 CPS	70
0856.5	3.3			GWKE AS AT 746.8 LESS THAN 20 CPS	70
0857.2	0.7			BSLT AS AT 705.6 LESS THAN 20 CPS	65
0858.8	1.6			GWKE AS AT 746.8 LESS THAN 20 CPS	70
0875.3	10.5			BSLT AS AT 705.6 LESS THAN 20 CPS	70
0887.0	11.7			GWKE AS AT 746.8 LESS THAN 20 CPS	65
				QTE VFG LT GY WKLY BND GRLR IMPURE WITH TO 5% VFG DISS BIOT LOCALLY HAS A SLIGHTLY GREENSH COLOR LESS THAN 20 CPS FOOT OF HOLE	65

BOREHOLE RECORD

DATE PROCESSED MAR 05, 1976

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANDM# DEPTH AZIMUTH GRID B. DIP ELEV LATITUDE DEPARTURE
 54426-0 SAKAMI PROJECT 33F2W 00807 173 00 18000 -45 00 S001025 W002400 DATE.....

 INCLINATION AND TRCPARI TESTS
 DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0216 -43 45 0400 -38 15 0600 -33 00 0800 -26 00

COMMENTS

LOGGED BY..W O MANSON STARTED..MAR 11, 1975 COMPLETED..MAR 17, 1975
 DRILLED AQ BY BRAD BROS ON PER 548 ZONE 1&2 WATER FROM CSG AT
 BH 55370 116 FT AW AND 110 FT NW CSG AND NW CSG SHOE ABANDONED
 IN THE HOLE

SAMPLE ENTRIES

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0000.0	0.0			COLLAR	
0216.0	216.0			OVERBURDEN SAND AND BOULDERS START OF CORE	
0223.5	7.5	UM		FG DK GRN-GY MASS SRPT WITH SOME SHR G ALON SERP IREG ARRANGED CLOTS OF FG LT GY TALC TO 15% OF RK OCC GRAIN MTE MTC TALC CLOTS IMM TO 1CM SOME VERY MINOR CARB ALONG FRCS LESS THAN 20 CPS	
0231.0	7.5	UM		AS AT 223.5 LESS THAN 20 CPS	
0240.0	9.0	UM		FG DK GRN VERY MASS SRPT WITH ONLY OCC CLOT TALC VERY EVEN COLOR AND TEXT WKLY MTC GREATER THAN 95% SRPT POSS META DUNITE LESS THAN 20 CPS	
0245.5	5.5	UM		AS AT 240.0 LESS THAN 20 CPS	
0247.7	2.2	UM		FG GRN MASS SRPT WITH UP TO 5% CLOTS TALC TO 3MM COLOR IS A YELLOW GRN LESS THAN 20 CPS	
0253.7	6.0	UM		AS AT 240.0 CLOTS TALC TO 1CM FORM UP TO 20% OF RK LESS THAN 20 CPS	
0259.0	5.3	UM		VFGGY GRN SRPN BXTD WITH OCC ANGULAR FRMN CARB TO 1CM IN VFG SRPN TALC GRNDMASS LESS THAN 20 CPS	
0264.4	5.4	UM		FG GY GRN MOTTLED 50-50 CLOTS SRPN AFTER OLVN AND TALC IREG SHAPES MASS TEXT MINOR CARB ALONG FRACTURES CLOTS ARE CM SCALE	
0266.2	1.8	UM		AS AT 264.4 TALC UP TO 70% OF RK LESS THAN 20 CPS	
0267.8	1.6	UM		AS AT 264.4 FINER GRAINED CLOTS ARE UP TO 3MM DK GRN SRPN AND LTGY TALC LESS THAN 20 CPS	
0274.1	6.3	UM		AS AT 264.4 LESS THAN 20 CPS	
0278.3	4.2	UM		FG LT GY MASS TALC WITH CM SCALE CLOTS OF FG DK GRN SRPN TO 20% LESS THAN 20 CPS	
0283.3	5.0	UM		AS AT 264.4 CLOTS OF SRPN ARE MORE YELLOW GRN LCLY BXTD WITH RARE FRMN	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0288.3	5.0	UM		CARB LESS THAN 20 CPS FG DK GRN SRPN MASSES WITH UP TO 25% TALC AS IREG MASS BETWEEN THE SRPN CLOTS LESS THAN 20 CPS	
0298.0	9.7	UM		AS AT 288.3 LESS THAN 20 CPS	
0299.2	1.2	SKN		FRACTURE ZONE FILLED WITH MASS WHITE CG CARB WITH OCC INCLUSION OF UM WKLY REACTIVE WITH HCL SO PROB HIGH MAGNESIUM CARB LESS THAN 20 CPS	
0307.6	8.4	UM		AS AT 288.3 LESS THAN 20 CPS	
0315.9	8.3	UM		AS AT 288.3 TALC TO ONLY 10% RARE STR CARB AS FRCT FILLING LESS THAN 20 CPS	
0320.3	4.4	UM		AS AT 288.3 TALC TO 30% LESS THAN 20 CPS	
0323.8	3.5	UM		AS AT 288.3 TALC TO 40% CLOTS OF SRP N ARE ELONGATE PLL TO SHRG FRACTURE S CARB FILLED LESS THAN 20 CPS	
0330.9	7.1	SKN		FG LTGY TO PALE GRN HLY SHRD FRMNS CARB DIOP ACT SOME TALC LCLY APPEARS SLLY BXTD POSS A SHRD FAULT ZONE	60 65
0337.4	6.5	UM		FG DKGRN GY MOTTLED INTER MIXED IREG CLOTS TALC AND SRPN SRPN 60% TALC 40 % TEXTURE IS MASS TO LCLY SHRD NO GO OD FOTN LESS THAN 20 CPS	
0342.7	5.3	SKN		MG CG DIOP ACT SKN OCC STR CARB MASS TEXT MINOR STR RELIC SRPN ALSO RARE RADIATING CLUSTER OF TREM LESS THAN 20 CPS	
0366.4	23.7	DIA		FG MG DK GRN MASS WKLY SHRD AND FG FOR 1 FT ACT UCT AND LCT SCME BIOT ALONG SHRG AMPB 60% FSP 40% TEXT POS S GAB INSTEAD DIA LESS THAN 20 CPS	60
0406.8	40.4	QTE		FG GRLR LT GY VAGUE BNDG STRONGLY SHRD WITH ABNT SRCT ALONG SHRG MINOR BIOT COMMONCY PLL TO FOTN VERY RARE VAGUE TO DOUTFUL PBL LCLY SLIGHTLY PALE GRN DUE TO MINOR CHL OVERALL A VERY CLEAN QTE LESS THAN 20 CPS	50 60
0414.0	7.2	BSLT		VFG DK GRN AMPB FSP FLOW RK VAGUE FLOW STRUCTURE MINOR BIOT ALONG WK SHRG LESS THAN 20 CPS BOTH CTS SHARP AT 65 CA	65
0420.0	6.0	QTE		AS AT 406.8 LESS THAN 20 CPS HLY SHR D ABNT SRCT 5% GC	65
0427.8	7.8	GC		GROUND CORE	
0477.0	49.2	QTE		AS AT 406.8 VERY CLEAN QTE LESS THAN 20 CPS	55 70
0492.2	15.2	DIA		FG MG DK GRN SHRD CTS SHARP AMPB FSP WITH BIOT ALONG SHRG QTZ AND CARB FILLED FRACTURES BECOMES FG WITH ABN T BIOT NEAR CTS LESS THAN 20 CPS	60 65
0503.4	11.2	GWKE		FG GY AGLC POORLY FRML LCLY SKARNY WITH SOME DIOP AND ACT POORLY TO VAGUE BNDG ACCORDING TO VARIATIONS	60

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0506.4	3.0	SKN		OF BIOT CONTENT DIOP SKN MASS HFL TEXT MG APPLE GRN TO GRN WKLY SHRD MINOR CARB RARE CLUSTER TREM MINOR BIOT DISS THROUGH HOUT LESS THAN 20 CPS	60
0520.6	14.2	GWKE		FG DK GRN MAFIC SED AMPB FSP BIOT GOOD FOTN ALONG BIOT WKLY SHEARED RARE PK GAR TO 2MM LESS THAN 20 CPS LCLY CNRD FOTN	45 65
0540.6	20.0	GWKE		AS AT 503.4 LESS THAN 20 CPS LCLY TREM RICH	50 55
0544.3	3.7	SKN		FG LTGY GRN HLY SHRD ACT TREM SHRG HAS ORIENTED THE GRNS TO GIVE PRONOU NCED SCSS LCLY CNRD WKLY MTC SOME PLACES MAY BE SRPD LESS THAN 20 CPS	25 65
0546.4	2.1	SCH		VFG GRN ACT CHL SCH WELL FOTD HLY SHRD MTC XTLS MTE TO ONE MM FORM 3%	50 60
0584.0	37.6	DIA		FG DK GRN WKLY FOTD TO MASS AMPB FSP UCT IS VFG AND VAGUE OVER 1 FT VERY WKLY MTC RARE STR QTZ ALONG FRACTURE S LESS THAN 20 CPS	55
0586.0	2.0	UM		FG GRN HLY SHRD SRPN WITH GOOD FOTN ALONG SHRG MTE XTLS EUHEDRAL 1-3MM THAT ARE NOT SHRD IE POST SHRG LESS THAN 20 CPS	50
0587.3	1.3	MVVW	UM	FG LT GY HLY SHRD TALC SCH TALC SRP N WITH RARE TREM STGLY SCSS HLY MTC	45 50
0596.0	8.7	MVVW	UM	FG LTGY DKGRN MOTTLED SRPN TALC DK GRN SRPN AS IREG MASSES TO 80% OF RK SURROUNDED BY IREG MASSE FG LTGY TALC SCME OF THE SRPN MASSES ARE VAG UELY EUHEDRAL TEXTURE IS MASS MODER ATELY MTC LESS THAN 20 CPS	
0603.5	7.5	MVVW	UM	AS AT 596.0 LESS THAN 20 CPS CT TO NEXT ENTRY IS GRADATIONAL OVER 5 CM	
0607.5	4.0	MVVW	UM	TALC TREM SCH AS AT 587.3 LESS THAN 20 CPS	55
0608.8	1.3	ARG		FG GY WELL FOTD BIOT RICH SHRD SLLY SKARNY ALONG UM CT MAINLY BIOT FSP WITH BIOT TO 35% SCSS LESS THAN 20 CPS	60
0616.0	7.2	BSLT		VFG APHANITIC WKLY SHRD DK GRN AMPB FSP VAGUE TO DOUBTFUL FLOW TEXT UCT LCT SHARP LESS THAN 20 CPS	55
0628.0	12.0	GWKE		FG DKGRN DKGY MAFIC SED WKLY FRML WKLY SHRD POOR FOTN HBL ACT FSP AND MINOR QTZ APPEARS DERIVED FROM BASI C VOLCANICS LESS THAN 20 CPS MINOR BIOT ALONG WK SHRG	45 55
0631.8	3.8	SKN		FG DKGY GRN DIOP SKN WITH DIOP ACT TO 30% AMPB FSP QTZ SLLY FRML MINOR QTZ IE A META LIMY SED RICH IN BASI C VOLCANIC DETRITOUS WKLY SHRD	45
0638.7	6.9	SKN		FG LTGY LT GRN HLY SHRD GOOD FOTN	45

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0644.0	5.3	SKN	TREM DIOP TALC TREM TO 60% GRAINS GENERALLY ORIENTED ALONG SHRG SOME MINOR CARB FRMN LESS THAN 20 CPS		
			MG CG APPLE GRN DIOP HFL WKLY SHRD DIOP 75% 80% 20% CG C DIOP 75% 80% 20% CG GARB HLY EFFERVE SCENT IN DIL HCL BOTH CTS ARE GRADAT IONAL OVER 10 CM LESS THAN 20 CPS		
0659.8	15.8	ARG	FG GY GRN WKLY FOTD SKARNY BIOT FS P MINOR QTZ WITH LCLY DIOP AND CARB 10-15% SOME MINCR HBL AND ACT LESS THAN 20 CPS	50 60	
0661.4	1.6	SKN	DIOP SKN AS AT 644.0 LESS THAN 20CPS VCG HFL		
0663.4	2.0	SKN	FG LT GY TREM CARB MINOR DIOP AND TA LC SHRD POOR FOTN MINOR BIOT LESS THAN 20 CPS	60	
0667.8	4.4	ARG	FG DKGY BRN WELL FOTD BIOT FSP QTZ WITH OCC STR TO 3MM ACT RICH LESS THAN 20 CPS	55 60	
0668.6	0.8	SKN	AS AT 644.0 CG MASS DIOP HFL SKN LES S THAN 20 CPS		
0671.5	2.9	QTE	FG LTGY GRNISH IMPURE QTE QTZ 70% WITH BIOT DIOP MINOR CARB DISS THROU GOUT WKLY SHRD LESS THAN 20 CPS	55	
0675.7	4.2	SKN	FG MG GY GRN POORLY FOTD ALONG SHRG BIOT RICH TREM DIOP SKN MINOR QTZ FS P LESS THAN 20 CPS	55	
0682.6	6.9	UM	FG GY WKLY SHRD TO MASS TALC SRPN WITH MINOR TREM RARE NEEDLE OF ACT SRPN AS DK GRN BLEBS AND STRS TO 1CM BLEBS GEN 2-3MM MTC DUE TO INTERSTI TIAL MTE LESS THAN 20 CPS	50 55	
0688.7	6.1	UM	AS AT 682.6 LESS THAN 20 CPS	50	
0693.3	4.6	SKN	FG GY POOR FOTN TALC TREM WITH ABNT BIOT MINOR DIOP AND FSP LESS THAN 20 CPS	55 60	
0699.1	5.8	SKN	MG CG MASS DIOP HFL LCLY WKLY SHRD OCC FRMN CARB CTS GRDL OVER 5 CM LESS THAN 20 CPS		
0707.9	8.8	ARG	FG DKGY GREENIS WELL FOTD BIOT FSP WITH UP TO 20% ACT DIOP CARB IN LCL BNDS TO 2-3 CM LESS THAN 20 CPS	60	
0721.5	13.6	ARG	AS AT 707.9 CARB AND DIOP ABNT TO % LCL BNDS TO 3CM DIOP CARB SKN LESS THAN 20 CPS	40 60 65	
0722.6	1.1	SKN	FG LT GY GRN DIOP TREM CARB WITH SOM LCL BNDS TO 2CM AGLC MINOR NEEDLES ACT FOTN VAGUE TO LCLY FAIR MINOR TALC WHERE SHRD LESS THAN 20 CPS	50	
0727.6	5.0	SKN	AS AT 722.6 LESS THAN 20 CPS	50	
0728.3	0.7	ARG	FG DKGY GRN WELL FOTD CLCR BIOT ACT FSP WITH STKS CARB LESS THAN 20 CPS	55	
0728.5	0.2	ARG	AS AT 728.3 WITH QTZ PBL5 5MMX 1CM TO 40% OF RK AGLC MTX NO VISIBLE SUL	55	

DEPTH	LENGTH	MNZN	ROCK	DESCRIPTION	ANG
0728.9	0.4	ARG	P 40 CPS AS AT 728.3	LESS THAN 20 CPS	55
0733.0	4.1	SKN	AS AT 722.6	LESS THAN 20 CPS	55
0738.2	5.2	ARG	AS AT 707.9	LESS THAN 20 CPS	55
0751.3	13.1	ARK	FG LT GY WELL FOTD WKLY SHRD FSP 70	60 4 QTZ 25% BIOT 5% VERY EVEN TEXT AND EVENLY SORTED LESS THAN 20 CPS	
0797.4	46.1	GWKE	FG DK GRN WELL FOTD WKLY SHRP LOCAL BANDS TO 5-8CM AGLC MRS STPS TO 2M M CARB ALSO OCC FRMN TO 5MM CARB RK IS MAINLY AMPB FSP WITH MINOR BIOT RARE FRMN OR PBL TO 5MM OF QTZ THESE VARY FROM ANGULAR TO ROUNDED OCC FRACTURES HEALED BY EITHER QTZ OR CA RB QTZ HEALED FRACTURES WERE OBSERVE D TO CROSSCUT THE CARB HEALED ONES SOME OCC BND ACT RICH AS RANDOM NEED LES IE SILLY SKARNY LESS THAN 20 CPS	60 70	
0807.0	9.6	QTE	FG LT GY SHRD WITH MINOR SRCT LCL BND ARG TO 1-3 CM LOWER 3 FT IS HLY 70 SHRD WITH ABNT SRCT MINOR BIOT TO 5% SILLY ARKOSIC OVER FIRS 2 FT AND IS GRADATIONAL TO A VERY CLEAN QTE FCR LAST 2 FT RARE VAGUE TO OGDUTFUL QTZ PDL 801.2 TO 802.8 LESS THAN 20 CPS FOOT OF HOLE	65 70	