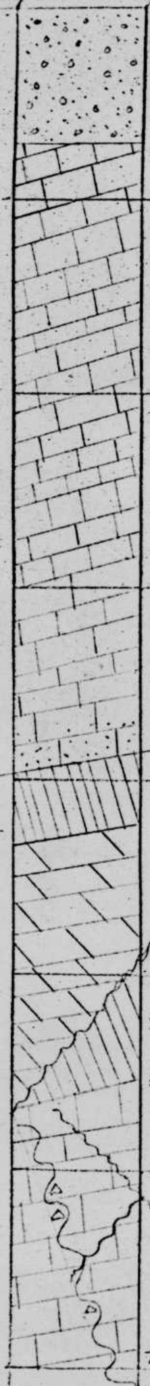
090950

DDH: A1 DIP: 90 COORDINATES: 8400W HOO JOINT VENTURE DATE: Aug 78

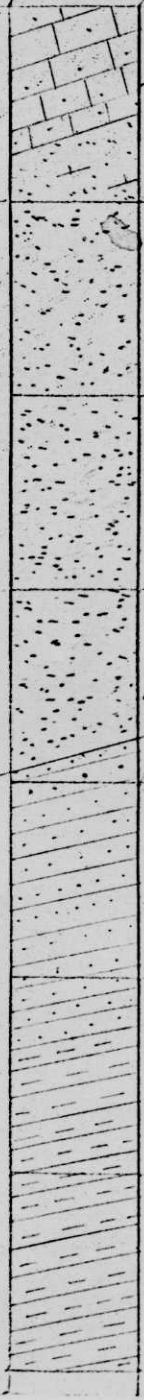
GRAPHIC LOG



Interval	Rock Name	Bedding Dip	FRC	Density	Color	Texture	Structure	Py	MG	Bi	MS	Graphite	HE	CL			ZnS PbS	Mode of occurrence		Remarks
10	LSTN	16°	L	N	4	Thick bedded LAM-F		3	N	N	N	F	N	N			SL-0			casing to 7.0 carbonaceous matrl partly segregated. CB recrys white irregular - controlled mostly by LAM. Py assoc w graphitic matrl
20	LSTN	16	L	5YR	4/1	Finely LAM cB recrys -F		3	N	N	N		N				N		Sup-M	10.2-15.8 Ferruginous CL LSTN, thin lam Phyllitic occassionally TALC -L LI after CL and Py - Sup.
30	LSTN		F	N	4	Poor LAM Thick bedded		3	N	N	N	M	N							CB recrystallized veinlets haphazard, some in FRC. Top and BTM of interval tendency to interbedded clean white CB; otherwise thick bedded Py conc. 21-21.5
	LSTN					Poor LAM Thick Bed		3	N	N	N	M	N	N			N		F	recrystallized veinlets, graphite segregation-F sinuous graphitic matrl on lamination
37.4																				
39.2	SI LSTN																			
40								5	N	N	N	M					N			Pyritic sandy leached in part to LI vuggs some CL, carbonaceous band interbedded
42.8	CL graphitic QZTE	10°	L	10YR	4/2	Thick LAM fine grn		5	N	N	N	F	N	L			SL-5	D	Sup-M	QZ lamellae DSL. SL with CB V and boudins bed is leached to brown yellow - LI vuggs CB-L, Graphite -L. graphite in shaly lamellae minor SL assoc interbedded DOLM w CL and MS some QZ and cleaner QZ lamellae
50						cB veinlets		4	N	N	M	N		H			SL-3 SL-0	D		
53.2	CL DOLM		N	N	5			5	N	N	F	N		H			SL-3			53.2 FLT-FRC-~~DA~~ CL and MS 40°∡ 0.1 SL occur above and below. D in bedding bands and D in subparallel bands on secondary lineation
56.2	QZTE		L	N	5			5	N	N	L	L		L			SL-5			micaceous bands - CL carry most of Py, are regular but non continuous, minor SL assoc. some CB recrystallized
60	LSTN	14	L	N	4	poorly LAM		4	N	N	N	F		L			N			58.5 FLT 0.1-0, recrys CB micro contorted 135°∡ ± Py
65																				63.2-65.2 FLT - m 40°∡ and 160°∡ BRXX. CB veinlets wholesale replacement, LI stain
70	LSTN		L	N	7	crystalline poorly LAM		4	N	N		M					N			70.0 - 0.9' marble minor DOLM graphite sinuous suture subparallel lam.

DDH: A1 DIP: 90 COORDINATES: 9+00W 00N S HOO JOINT VENTURE DATE: Aug 73

GRAPHIC LOG



INTERVAL	ROCK NAME	BEDDING DIP	FRC	DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	CL			ZnS PbS	mode of occurrence	leached	REMARKS
76.4	al LSTN		F	N	7	recrys graphitic	sinuous sutures graphitic	2	N	N	N	M	N				N			71.7 partial marblization 72.0 FLT–FRC 15°∡–W Py L1 CB veinlets very minor BRXA 73.1 0.7 Graphitic ferruginous recrystallized CB possibly sheared
80	CA QZTE	17°	L	N	6	CB recrys	VCB	2	N	N	N	M	N	N			SSL GL-N	D	L	SL in CA QZTE ✓ occurs in graphitic adjacent recrys CB
90	QZTE	15°	F	5GY	6/1	granular & fine grn thin lam	phyllitic	3	N	N	7	N	N	L			SL-3 GL-N	DB		84.5 FLT-MO-10°∡ 2.0 Pyritic QZ Leached-M CY-L SL-F 87.4 FRC 1.0' leached Py→SL1 ⊥ and ∥ ∡ 89.2 FRC shatter 0.8' leached secondary CB CB-H
91.7 100	QZTE	16	F	5GY	6/1	granular & fine grn thin lam	phyllitic	3	N	N	7	N	N	L			N			MS weathered to brown yellow Some lamellae < 5 mm QZ CA only recrystallization assoc w these ✓ CB-M
108.5	QZTE	15		5GY	6/1															108 - 108.5 rapid TRN matrix MS → CL CB-M
110	CL WACKE		L	5GY	5/2			3	N	N	L	N	N	8			N		N	CB and QZ compact CL phyllitic
120	CL WACKE	10	L			fine grn compact		3	N	N		N	N	7			N		N	119.2 0.7 CB QZ vein ⊥ ∡ 120. 0.6' CB recrystallization – H interlaminated CL rich w QZ CB lamellae ± CB cement.
123 130	CBCL Phyllite		L			euhedral MG	foliated phyllitic	3	3	4	5	N	N	8			N		N	123 CNT wacke MG present from top of CBCL Phyllite. 126 after 126 3% BI appears platy aggregates ∥ w
140	CBCL Phyllite		L	5GY	3/2	euhedral MG BI aggreg	phyllitic	3	5	4	6	N	N	8			N		N	134.8 - 136 lighter color due to > CB TRACE CP D 0.5 mm grn white mica present

DDH: A1 DIP: 90 COORDINATES: H00 JOINT VENTURE DATE: Aug 73

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	CL			LMS PLS	mode of occurrence	Leached	REMARKS
	158	CA CL PHYLLITE	10°	L	5G	3/2	CB 1mm grn euhedral MG CB veins	massive phyllitic	L	3	4	2	N		9			N		N	143.8 0.4' recrystallized MG absent 146-147.0 >MG, larger size 1-3mm euhedral recrystallized CB bands w. radiating fibrous CL color w white CB mottle
	160	CA CL Phyllite	10°	L	5G	3/2			L	2	4	2	N	2	9			N		N	TRACE CP homogeneous, discrete laths subhedral BI appear to be assoc w CB recrystallization. color white mottle
	170	CA CL Phyllite	10°	L	5G	3/2	CB veins recrys	massive phyllitic	1	L	L	2	N	2	9			N		N	below 168 CB decreased recrystallized CB contains shards CL 165 end MG, 164 end BI } rapid phase out BI minor continues in rectangular aggregates TRACE CP increasing QZ
	180	CACL PHYLLITE	8°	L	5G	3/2	fine grn CB mottle LAM-M	massive phyllitic	1	N	N	2	3	3	9			N		N	Recry bands CB - also veinlets HE v fine grained in CL - tends to occur @ concentration of CL increasing QZ
	190	CL WACKE	8°	L	5GY 10YR	3/2 7/4	v fine grn LAM-F	phyllitic massive	2	N	N	N	N		9			N		N	mixed ag, CL & phyllitic CB cement recrys Several QZ bands color 10YR 7/4, fine grn CB-L
	200	CL WACKE	6°	L	5GY	3/2	recry CB very fine grn LAM-F	massive phyllitic	2	N	N	N	N		9			N		N	193.0 - structural activity recrystallization FRC: CL in irregular segregations minor TALC / sup. leaching to 193. homogeneous, aside from QZ beds up to 2" Few
	210	CL WACKE	10°	L	5GY	5/2	fine grn LAM-F	massive phyllitic	2	N	N	N	N		9			N		N	minor sup LI in QZ beds recryst CB

DDH: A1 DIP: 90° COORDINATES: R 8700 W 0700 N HOO JOINT VENTURE DATE: Aug 72

Interval	Rock Name	Bedding Dip	FRC Density	Color		Texture	Structure	PY	MG	BI	MS	Graphite	HE	CL			ZnS PbS	Mode of occurrence	Leached	Remarks
220	CL WACKE	18	L	5GY	7/2	Fine grn LAM-H	phyllitic massive	3	N	N	5	N	N	6			N		Sup-L	longitudinal FRC MS intimately mixed w CL MS < CL occ MS = CL
226.7	MS WACKE	15°	L	5GY	7/2	med grn LAM-H	Phyllitic	3	N	N	5	N	N	6						MS > CL sup attack brownish yellow alt very QZose
	QZTE	15°	L	5Y	8/1	course grn LAM-F	phyllitic-L lam-poor	3	N	N	7	N	N	3			N		Sup-L	QZ recrys import yellow color – siderite?
232.6	QZTE	15°	L	5Y	8/1	course grn		3	N	N	7	N	N	3			N			hard
237.0	Phyllitic QZTE	15	L			fine grn	phyllitic	2	N	N	9	N	N	4			N			V. soft qz poor secondary lineation in phyllitic matrl
240	CL MS WACKE	15	L			med grn	LAM	3	N	N	5	N	N	6			N			med hard
240.1	" "																			secondary lineation in MS phyllitic QZTE.
240.9	Phyllitic QZTE																			
241.7	QZTE																			
243.9	Phyllitic QZTE																			
250	CL WACKE	15°	L			fine grn LAM-F	phyllitic	3	N	N	5	N	N	7			N		Sup L	inter lam clean qz and mix CLMS QZ common small amt H1 after micas Py fresh.
254.0	CL WACKE																			251.3 12' QZ vein replacement ≈⊥ CB, F lt. yellow brown color.
260	QZTE	15	L	N	7	med grn LAM-F	massive phyllitic-F	3	N	N	7	N	N	4			N		L	
264	QZTE	10	L	N	7	med grn LAM-M	phyllitic partings	2	N	N	7	L	N	3			N		N	CB - M.
269.2	CL WACKE	15	L	5GY	5/2	med grn interlam		2	N	N	3	N	N	8			N		N	
270	QZTE																			
280	QZTE	8°	L			med to course grn LAM-M	phyllitic parting -F	2	N	N	8	4	N	4			N		N	274 0.4' Graphitic chloritic thin lam 272.7 s.t. Fine grn graphitic phyllitic to 273 v. thick laminated 7-8-9 mm qz then parting < 1mm often gritty in appearance owing to qz eyes ~ 1.5 mm

DDH: A1 DIP: 90° COORDINATES: HOO JOINT VENTURE DATE: Aug 73

Interval	Rock Name	Bedding Dip	FRC Density	Color		Texture	Structure	Py	MG	BI	MS	Graphite	HE	CL		ZnS PbS	Mode of occurrence	Remarks
288.	QZTE					thick Lam												2339 Finegrn. thinlam graphitic. 0.4
290	CL WACKE	22°		5GY	5/2	finegrn poor LAM	massive	3	N	N	L	N	N	9		N		CL WACKE, in TRN to CLCB Phyllite – decreasing QZ more cB > CL.
290.6																		
296.7	Phyllitic QZTE					very fine grn Lam-H	phyllitic	2	N	N	3	N	N	5		N	N	292.6 FLT-M. 45°∠ app bedding F/, BKN, G-F
300	cL cB Phyllite		L	5GY	3/2	medgrn mass		4	N	N	N	N	6	9		N	N	dark submetalic D mineral believed HE
310	CLCB Phyllite	15°	L	5GY	3/2	recry cB subhedral cB	Phyllitic	3	N	5	N	N	5	9		N	N	308.2 -3 BI-7 HE-6 TRACE CP
319.5	CL CB PHYLLITE	15°	L	5GY	3/2			2	N	3	N	N	3	9		N	N	cB white mottle QZ? >lam in calcareous beds.
330	CL WACKE	10	L			Lam-H	massive	2	N	N	N	N	N	8		N	N	several clean beds QZTE. often inter lam and interbedded WACKE and cleaner QZTE
337.5	CL WACKE																	331 – 336.7 in TRN to CACL Phyllite but 40-60% qz = WACKE
340	CACL Phyllite	15°	L	5GY	3/2	recrys cB medgrn	massive	2	N	N	N	N	N	8		N	N	TRACE CP
340.5				5GY	5/2	Fine-med grn	phyllitic											
350	CL MS WACKE	15	F	5Y	7/2			2	N	N	7	N	N	7		N	N	upper portion of interval CL and lower MS – color difference cB – L

DDH: A1 DIP: 90° COORDINATES: R 8+00W (0+00N) HOO JOINT VENTURE DATE: Aug 73

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC	DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	CL			ZnS PbS	mode of occurrence	LEACHED	REMARKS
	360	CL MS WACKE	20	F			mod-course grn LAM-M		3	N	N	7	N	N	6			SL-0	FRC	N	351.7 - 353.6 contorted recrys QZ. ≈353.7 SL anoc PY TRACE CP. 354 FLT in this vicinity? recovery poor QZ vein
	361.8 363.7 364.7 368.0 370	Phyllitic QZE CL WACKE CL WACKE Phyllitic QZTE	20°	F			micaceous Thin lam Fine grn	drag fold contort	2	N	N	8 5	4	N	7 7			N		N	360.7 r.o QZ v. replacement 364.7 - 368 - interbedded phyllite and WACKE 368 - 370 slightly graphitic small drag folds in micaceous matrl
	373.6	Phyllitic QZTE							L	N	N	7	F	N	4			N			MC stain at 379 GRAPHITE 370, 371, 372.2 372.8 FLT-M-0.7 BKN contortion in phyllite 35° opp hw
	380	QZTE	22°	L	N	7	course grn LAM-M	phyllitic-F	L	N	N	5	F	N	L			N			Graphite horizons within QZTE narrow.
	390																				TRN to phyllitic QTZE secondary lineation well developed in micaceous matrl - slaty cleavage beginning
	392	Phyllitic QZTE	20	F	N	4	fine grn	phyllitic secondary lineation	3	N	N	8	6	N	L			N		N	392. END Bottom of hole in QZ vein faulting?

DDH: A2-90° DIP: COORDINATES: 1100 JOINT VENTURE DATE: PAGE 1 OF 6

090950

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS	PBS	MODE OF OCCURRENCE	REMARKS
	0																OVERBURDEN
	10																
	20																
	30																CARBONATE CHLORITE PHYLLITE - DARK GREEN, WHITE CARBONATE SPECKLING
29.0																	
30.0																	QUARTZ CHLORITE PHYLLITE - SCHIST (PHYLLITE)
	40		80°														DARK / LIGHT STRIPY, LAMINATED RARELY MASSIVE, DARK GREEN CHLORITE(H) & QZ-MINOR CARBONATE & LIGHT COLORED QUARTZITE CL LAMINATIONS & IRREGULAR NARROW BANDS, OCC. CALC. LAMINATIONS, PY 1-2%
49.0																	
	50		75°														PHYLLIC QUARTZITE WITH OCC LAM & NARROW BAND OF CHLORITE & QZ-CHLORITE PHYLLITE.
52.0																	PHYLLIC
			75°														
	60																
63.0																	TRN - INCREASING QZ & CL BANDS
FAULT 66.5																	PHYLLIC QUARTZITE - VARIES FROM LIGHT GREY CL=L TO FINE MED GRAINED TRN GREENISH GREY CL=A, BANDED WITH NUMEROUS PARTINGS TO NARROW IRR BANDS OF DARK GREEN CHLORITE PHYLLITE
	70																GLS - GOUGE & BEDDING CONTORTED - FAULT - MODERATE PHYLLIC QUARTZITE - LIGHT YELLOW GREY MEDIUM

DDH: A2-90° DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS PBS	MODE OF OCCURRENCE	REMARKS
70.6	70															CHLORITIC QUARTZITE (PHYLLITE) LIGHT TO DARK; MASSIVE GENERALLY LAMINATED AND THINLY BANDED, FINE GRAINED, LIGHT COLORED CL=L-M WITH NUMEROUS LAMINATION & NARROW BANDS OF CL PHYLLITE & QZ CHLORITE PHYLLITE, MINOR-FAIR CB IN LIGHT COLORED QTZITES WHITE QZ-CA SEGREGATIONS
	80		60°													
	90		65°												WEAKLY LAM.	VERY SIMILAR TO ABOVE ALT BANDS UP TO 1'- LIGHT GREY MED GRAINED M$\frac{1}{4}$-CB(F) QUARTZITE, DARK GREEN CH=H QZ CB=L PHYLLITE MASSIVE AND INTERLAM. CHLORITE PHYLLITE & WEAK-MOD CHLORITIC PHYLLIC QUARTZITE
90.7																
93.3																HIGHLY WEATHERED & GOUGY - BEDDING PLANE FAULT? ALONG CHLORITE RICH BAND
95.5			75°													IN PARTS SOFT, GOUGY & WEATHERED, BEDDING OVERTURNED FAULT?
99.0	100															PHYLLITE DARK GREEN WITH LIGHT COLORED CL=F-M CALC. QUARTZITE LAMINATIONS
104			80													
107.0	110															PHYLLIC QUARTZITE - LIGHT GREY, MED GRAINED M$\frac{1}{4}$=F CALC=H QUARTZITE WITH OCC. PARTING OF CHLORITE QZ-CHLORITE PHYLLITE & PHYLLIC QUARTZITE
	120		75°													ALTERNATING BANDS OF UP TO 2FT. MEDIUM GREY, MEDIUM OCC COARSE GRAINED M$\frac{1}{4}$=F, CB=M QUARTZITE AND UP TO 5 FT BANDS OF DARK/LIGHT LAMINATED - NARROW BANDED QTZ-CHLORITE PHYLLITE (= QUARTZITE) GRADING INTO A CHLORITIC QUARTZITE; CARBONATE = FAIR
124.5			80													AFTER 124.5 - QUARTZITE - COARSE GRAINED, CALC-F
128	130															0.5' GOUGE - WEATHERED CL. PHYLLITE
133.6			70°													PHYLLIC QUARTZITE - LIGHT GREY, OFTEN LAMINATED CA~L-F M$\frac{1}{4}$=F-M, ZIRCONS? APATITE? - MICROSCOPIC MINOR NARROW BAND OF QZ CHLORITE & CHLORITE PHYLLITE
	140															

DDH: A2-90° DIP: COORDINATES: 1100 JOINT VEIN TURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	RECOVERY DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZNS PBS	MODE OF OCCURRENCE	REMARKS
143.0 0.5' CRUSH - 143.5 FLT-W.	140															± QZ CHLORITE PHYLLITE
			60°													PHYLLIC QUARTZITE - LIGHT-DARK GREY, FINE GRAINED M$. = M, CALC = F-M QUARTZITE WITH GRADATIONAL QZ-CL ± CB PHYLLITE & CL PHYLLITE LAMINATION & NARROW BANDS COMMON. PY-1-2%
	150															
155.3			60°													PHYLLIC QUARTZITE - LIGHT-MED GREY, WEAKLY LAMINATED M$ F-M, CB = L-M. QUARTZITE
	160															
			75°													
	170															
173.0			75°													CARBONATE-CHLORITE-QUARTZ PHYLLITE - SIMILAR TO PREV. LAMINATED, PARTINGS ± LAMINATION OF CB. ± QUARTZITE
	180															
182.5			80°													
188.0																HIGHLY FRC. ± WEATHERED - FLT = F.
190.0	190															
192.0																CARBONATE CHLORITE-PHYLLITE - KHAKI COLORED, VERY FINE GRAINED, CB = X. - CL LIMESTONE? YES - 1-3% DISS. PY.
195.5			60°													LIMESTONE - FRACTURED, COARSE GRAINED, WHITE & BLUE MOTTLED
	200															PHYLLIC QUARTZITE - LIGHT GREY, LAMINATED CB = H MS = F-M, PY-1-2%
																190 - 221.5 - 14' REC. - FAULT - BEDDING STEEPENS
			35°													
	210															

DDH: A2-90° DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY, COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS	PBS	MODE OF OCCURRENCE	REMARKS
	210															
			15°													PHYLLIC QUARTZITE - AS PREVIOUS.
			40°													
	220															
221.0																QUARTZ-CHLORITE-CARBONATE PHYLLITE - (QUARTZ-CHLORI
			45°													WACKE -
																LIGHT-DARK GREEN, FINE GRAINED, MASSIVE-WEAKLY PHYLLIC QZ-CL(M$\frac{1}{2}$?)=M, CB-L-H. PY 1-2%, LAMINATIONS & PARTING & OF QZ-CB SEGREGATIONS QZ=M
	230															
			50°													
236.5																
	240															PHYLLIC QUARTZITE - GREY, FINE GRAINED, LAMINATED M$\frac{1}{2}$=M- CB=L, PY- 1-2%
243.5																
244.5																CHLORITE SCHIST - DARK GREEN W=M
245.7			60°													FLT-W - CRUMBLY & STRONGLY FOLIATED
																--- FINE GRAINED QUARTZITE COMMON
249.0	250															
250.0																0.4 FT + GOUGY & CRUMBLY-FLT=L CHLORITE-(GRAPHITE?) SCHIST WITH ½" PY VL.
251.5																AUGEN PHYLLIC QUARTZITE
			60°													
	260															
262.5																PHYLLIC QUARTZITE - LIGHT-DARK GREY-FINE GRAINED, M$\frac{1}{2}$=F -M, CB=N-L, PY 1-2%
264.0			40°													
266.0																FAULT - F-M - HIGHLY FRC & GOUGY
	270															
270.7																SERICITE SCHIST - VERY DARK GREEN - WITH NARROW PHYLLIC - QUARTZITE BECOMING COMMON TOWARDS BTM CONTACT
273.5			60°													-- MAYBE CHLORITE SCHIST
	280															

DDH: A2-90° DIP: COORDINATES: H00 JOINT VENTURE DATE: PAGE 5 OF 6

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS	PDS	MODE OF OCCURRENCE	REMARKS
282.0	280																PHYLLIC QUARTZITE -AS PREVIOUS
283.5																	CHLORITE)SERICITE SCHIST GRADING INTO A QZ-CL)M$ SCHIST TOWARDS BTM CNT.
285.0																	GRITY PHYLLIC QUARTZITE
285.5			55°														HIGHLY WEATHERED & UPPER 0.5' CRUMBLY & GOUGY. - FLT = F
288.0																	--
	290																PHYLLIC QUARTZITE - LIGHT GREY, COARSE GRAINED - GRITY
293.0																	(MAY ONLY BE PSEUDO-BEDDING PLANE FLT ??) M$=F) OCC. FINER GRAINED BANDS PRESENT) CB=L
295.0			55°														--
	300																HIGHLY CRUMBLY - FLT=F - QUARTZITE
301.0																	--
303.5																	FAULT - F - BEDDING PLANE? CHLORITE-M$ SCHIST & QZ CL M$ SCHIST DARK GREEN - BLACK.
306.0			70°														PHYLLIC QUARTZITE - LIGHT - MED GREY, FINE-MEDIUM GRAINED M$<CL GRADUALLY TOWARDS BTM CL>M$ AND SCHISTOSE.
310.0	310																306.0-310.0 - 1 FT CORE RECOVERY - FAULT = F-M ALONG SCHISTOSITY
314.9			75°														PHYLLIC QUARTZITE - GREY, LAMINATED, FINE-MEDIUM GRAINED. M$-F >CL<L FINE PYRITE ±1%, CB=L.
	320																PHYLLIC QUARTZITE — LIGHT - DARK GREEN INTERLAMINATED GENERALLY INTERBANDED (2"-6") CHLORITE SCHIST & PHYLLIC QUARTZITE. OFTEN GRADATIONAL BETWEEN ROCK TYPES
326.0																	TO A QUARTZ CL>M$ PHYLLITE, CB=F
328.5			75°														FLT - F - 45°∠ - 11"
330.5	330																FAULT - M HIGHLY WEATHER CHLORITE SCHIST.
332.8																	CHLORITE - M$ QZ PHYLLITE - DARK GREEN M$ SCL
337			70°														GRAD - TEN PHYLLIC QUARTZITE - LIGHT - MED GREY, FINE GRAD MED GRAD FINE TOWARD BTM, M$=F, CB=F, LAMINATED. 334.5 - 337.0 - 0.5' REC). 1 FINE GRAIN - CL=L-F. MED GRAINED
	340																
341.0																	FINE GRD. - CL=L-F DARKER COLOR
342.9			70°														
344.0																	PHYLLIC QUARTZITE - LIGHT GREY, COARSE (?) RECRYSTALLIZATION
348.5																	ALONG W. (FLT) M$=F-M.
349.0	350																FAULT - HIGHLY CRUSHED - BEDDING PLANE - QZ-CL SCHIST & PHYLLITE
																	GRAPHITIC=L

DDH: AZ-88 DIP: COORDINATES: HOD JOINT VENTURE DEPT: PAGE 6 OF 6

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZNS	PBS	MODE OF OCCURRENCE	REMARKS
351.0	350																PHYLLIC QUARTZITE - M$=F-M CL=N-L MED GRNED.
352.0																	PHYLLIC QUARTZITE - DARK GREEN, CL&MS, FINE GRNED.
353.0																Q2-CL PHYLLITE	= = = = - M$=F-M, CL=N-L MED GRNED
358																FAULT - M 354.0-358.0-1 BEDDING PLANE	CHLORITE PHYLLITE-SCHIST - DARK GREEN, PARTINGS & LAMINATION OF FINE GRAINED PHYLLIC QTZITE IN UPPER 1 FT
	360																
362.0																	
366.5																	QUARTZ-CHLORITE PHYLLITE - BTM 1.0 FT HIGHLY BROKEN & SCHISTOSE - FAULT=M
368.0																	PHYLLIC QUARTZITE - DIRTY GREY, FINE-MED GRAINED, M$=F-M CL=L LAMINATED
369.3	370																FAULT - BROKEN & COUGY - CHLORITE SCHIST
370.3																	FAULT ZONE - HIGHLY BROKEN & COUGY CHLORITE SCHIST & MINOR Q2CL PHYLLITE MAJOR-FLT
	380																
381																	PHYLLIC QUARTZITE - GREY, LAMINATED, M$-F-M, MED GRAINED
383																	FAULT ZONE - MAJOR - 3ET RECOVERY - PHYLLIC QUARTZITE CRUSHED, BROKEN & COUGY
	390																
392																	PHYLLIC QUARTZITE - SCHISTOSE - RECOVERY = 3.5 FT
END	400																

DDH: A3 DIP: COORDINATES: NICHOLAS H00 JOINT VENTURE DATE: PAGE 1 OF 5

090950

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRCT DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	CL		ZDS	PBS	DEGREE OF RESISTANCE	LEACHED	REMARKS
	0	OVB																		
	10																			
	16.0	PHYLLIC QUARTZITE						4-6%												PHYLLIC QUARTZITE LIGHT GREY, RUSTY, STRONGLY LEACHED, MS: F, MEDIUM – COARSE GRAINED, JA: H APPEARS TO BE PY.
	20																			
			65°																	
	30																			
			60°																	
	40																			
45.5		LSTN																		LSTN - MASSIVE, FINE GRAINED, OCC PARTING OF LIMONIT ex PY.
48.0																				
	50	CARBONATE CHLORITE PHYLLITE																		CARBONATE CHLORITE PHYLLITE – DARK GREEN, SOFT CL=H, PINHEAD-⅛" SQUEEZED 'AMYGDALES' OF CA, TRANSPORTED LIMONITE ALONG FRC. LSTN - MASSIVE, LI>F, <1% PY, BRXY AT CNT'S.
			55°																	
57.0																				
57.8		LSTN																		
	60	PHYLLIC QUARTZITE																		PHYLLIC QUARTZITE – RUSTY GREY COLORED, MED-COARSE GRAINED, MS-M-A, IN PARTS CL=M, OCC. REEC. NARROW BLOB & PARTING OF WHITE QZ, AFTER 63.0 - PARTING & VF NARROW ZONES CARBONATE, JA=A, PY=L-F,
			60°																	
	70																			

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZOS	PBS	MODE OF OCCURRENCE	REMARKS
75.0	TRN	PHYLLIC QUARTZITE	60°														OCC TO 1/4" PY-LI XLS
79.5	80	PHYLLIC QUARTZITE															PHYLLIC QUARTZITE - LIGHT GREY, MED-COARSE GRAINED, MŸ = M-A, W = F-M, <1% DISS XL PY, LOOKS VERY SIMILAR TO 0-75 ONLY PROBABLY NOT LEACH, AND SLIGHTLY COARSER QZ
82.0		PHYLLIC QUARTZITE															GRITTY
		PHYLLIC QUARTZITE	60°														PHYLLIC QUARTZITE - ALTERATING BANDS MED-COARSE GRAINED AND GRITTY LAMINATED
	90																
93.0		QUARTZ CHLORITE WACKE	55°														QUARTZ-CHLORITE WACKE - MEDIUM-DARK GREEN, FINE GRAINED QZ-OCC PARTING-MED-COARSE, CL-F MS=M-A, WEAK CALC. - CALLED CL-QZ-MŸ PHYLLITE, W=M-A, WEAK DISS PY, MINOR LI ON FRC.
	100																
			45°														AFTER 100 OFT CL DECREASE, LIGHTER IN COLOR, W-STEEPEN ∠ 15°
109.0	110	FAULT GOUGE															
111.5		PHYLLIC QUARTZITE	70°														LIGHT-BLUE GREY PHYLLIC QUARTZITE - INTERLAMINATED, W=A, COARSE-GRITTY QUARTZ AND MŸ=F, AFTER 118 TALCOSE LAMINAE, FRC - GOUGY 1" & COMMON, W - CONTORTED
115.0																	115.0 - 116.0 - GOUGY - FAULT
116.0	120																
126.0		GOUGE-FAULT															GOUGE - FAULT - BEDDING PLANE FAULT ZONE - SOME W APPEAR PARALLEL TO CORE AXIS
128.5	130																FAULT ZONE - SOFT, WEATHERED & DECOMPOSED, LIGHT TO DARK GREY MŸ ; TALC ROCK WITH NARROW BANDS OF GRITTY MŸ QUARTZITE LOOKS LIKE MIXED PHYLLIC QUARTZITE & QZ CL WACKE.
FAULT ZONE			45°														
138.7	140																

DDH: A3 DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC / DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZOS	PLS	MODE OF OCCURRENCE	REMARKS
144.5		COUCY.															PHYLLITIC QUARTZITE - LIGHT KHAKI - LIGHT GREY FINE GRAINED, M$ VARIES FROM L - M, NON CALCAREOUS COUCY = H, NON COUCY SECTIONS AT TOP - ERXX, OCCASIONAL TO 0.3 QZ VEINING PARALLEL TO W = W = L - M (FLT)
149.0	150		55°														PHYLLITIC QUARTZITE - LIGHT GREY, COARSE GRAINED GRITTY LAMINATED, M$ = L, W = M
151.5																	FAULT GOUGE - DARK BLUE GREY, LOOKS LIKE BRECCIATED PHYLLIC GRITTY QUARTZITE AS ABOVE
156.4			50°														PHYLLITIC QUARTZITE - LIGHT GREY, COARSE GRAINED MASSIVE - W = A. WITH UP TO 0.5 FT COUCY BANDS - DARK GREY - GRAPHITIC.
163.0	160																
164.5																	BRECCIATED - COUCY PHYLLIC QUARTZITE WITH - 0.4 TOP BRECC. MASSIVE SL - TR CA, 1 PY, GRADING TO SCATTERED BRN S
170.5	170		80														169.5 - BTM GOUGE BANDS
178.0	180																PHYLLIC QUARTZITE - LIGHT GREY, FINE-MED GRAINED, MASSIVE M$ = L WITH BANDS OF DARKER GREY FINE GRAINED CL = A QTZITE WEAK PINK - WHITE DOLOMITE VEINING
																	PHYLLIC QUARTZITE - VERY SIMILAR TO ABOVE;
	190		80°														LIGHT TO MEDIUM GREY, FINE GRAINED, CL = E M$ - F WITH POORLY DEFINED BANDS - UP TO 2.0 FT WHERE PARTINGS CL = M. IN SOME NARROW BANDS STRONG W ALMOST APPROACHING A SCHIST PY - < 1% DISSEMINATED, SOME PERVASIVE CB., WEAK < 1% QZ VEINING CALL PHYLLITIC CHLORITE QUARTZITE - M$? CL.
	200		80°														ROCK SHOWS WEAK COMPOSITIONAL LAYERING - LAMINATION MAY BE MINOR - TRACE AMTS OF GRAPHITE
	210		80°														

DDH: A3 DIP: COORDINATES: H00 JOINT VENTURE DATE: PAGE 4 OF 5

	GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS	PBS	MODE OF OCCURRENCE	REMARKS
		220	80°															PHYLLIC QUARTZITE - AS PREVIOUS BINOCULAR Mf = F-M > CL, CL AS: DARK GREEN THIN SHEARS
221.0		230	80°															PHYLLIC QUARTZITE - AS ABOVE, PARTING & NARROW BANDS UP TO 2.0 FT WHERE CL = M-A NOT AS COMMON, ROCK = CL = M+L, VERY WEAK CALC, OCC STRINGER - PINK-WHITE CARBONATE, OCC TO ¼" PYRITE XL
		240	80°															
		250	80°															
252.0		260	80°															PHYLLIC QUARTZITE - AS. PREVIOUS TO 221.0, CL RICH LAMINATIONS & PARTING, IN NARROW TO 3.0 FT BANDS COMMON, CL < Mf, SOME CL PARTINGS SHOW SLICKENSIDES - BEDDING PLANE FAULTING.
		270	80°															
275.5 279.5 278.0		280	80°	45°														FAULT GOUGE - FLT AT 279.5 - 45° to T.C. TO W. HIGHLY FRACTURED - NARROW GOUGY SECTION IN CL-H RICH SECTIONS OF ROCK

DDH: A3 DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE			ZnS PbS	MODE OF OCCURRENCE	REMARKS
	285.																	

DDH: D1-90° DIP: COORDINATES: H00 JOINT VENTURE DATE:

090950

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZnS	PbS	mode of occurrence	REMARKS
																	OVERBURDEN
8.0	10		75°														CARBONATE CHLORITE PHYLLITE - DARK GREEN, CB: M - AS SPECKLING, TRELLISED LAMINATIONS AND LIGHT COLORED CB: H NARROW ZONES; SOFT
			75°														
18.2																	
19.0	20																CARBONATE-QUARTZ SEGREGATION - PARALLEL TO W.
21.6																	
22.7																	PHYLLIC QUARTZITE - LIGHT GREY, COARSE GNED M&F CB: H
25.5			75°														CARBONATE CHLORITE PHYLLITE - SIMILAR TO ABOVE, LIGHTER COLOR - CB: H, SOFT. TRN. ZONE
	30																
32.			75°														CARBONATE-CHLORITE PHYLLITE (LIGHT GREY GREEN, CL: F CB-X, QZ: L, LAMINATED - CL 1 CB. M&L: F, QZ - L-M GENERALLY IN BANDS
	40																
			75°														
48	50																INCREASING FINE-MED QUARTZ WITH CB; CL. - CORE MOD HARD. QZ - MAX = 25%
			76°														
	60																
			70°														
66.4																	66.4 - 0.1 FAULT GOUGE - 11# W. - FLT: F
67.0																	67.0 — " CORE BROKEN IN PLACES GOUGY - FAULT
68.5																	68.5 — "
69.5	70																

DDH: D1-90° DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS PDS	MODE OF OCCURRENCE	REMARKS
69.5	70															FAULT ZONE - FAULT = M - CORE HIGHLY BROKEN, FRACTURED GOUGY, FROM - 69.5 TO 108.8 FT.
																CARBONATE-CHLORITE PHYLLITE - AS PREVIOUS - OCC NARROW CALC. PHYLLITIC QUARTZITE BANDS
78.0			60°													
79.5	80															4" GOUGE & CRUSHED QUARTZITE
																WHITE QUARTZ
83.6																
87.0			60°													TRN
	90															PHYLLITE - DARK DIRTY GREY SOFT CHLORITE - M¢ PHYLLITE - OCC NARROW CARBONATE - CHLORITE PHYLLITE & CALC PHYLLIC, FINE GR QUARTZITE BANDS
95.7																95.7 FAULT - M - WITH WHITE QZ - 0.5 FT REC
	100															
101.0																101.0
102.2																102.2 FAULT = M - GOUGE, BROKEN ROCK & VEIN QZ
104.0																
107.0																FAULT - M - MAINLY VEIN QZ - NARROW SECTIONS GOUGE & BROKEN ROCK
108.8	110		70°													FLT
																PHYLLIC QUARTZITE - LIGHT GREY, FINE GRAINED, LAMINATED M¢ = M-A, CB = H, COARSER GNED TOWARDS BTM CNT.
			65°													
114.8																
																FLT
																PHYLLITE - CHLORITE ≤ M¢, DARK COLORED. OCC NARROW BANDS OF DARK FINE GRAINED PHYLLIC QUARTZITE. SOFT, HIGHLY BROKEN & GOUGY - FAULT ZONE CB = N. - MAJOR FAULT. - SLIGHTLY GRAPHITIC? TO 123 FT
	120															
126.0																WHITE QZ - MINOR CARBONATE VEINING COMMON.
128.5																
	130															
131.5																
133.0																PHYLLITE - AS ABOVE, FINELY LAMINATED, CL ZMS, CB-N-L,
134.3																WHITE QUARTZ-CB VEINING GRAPHITIC - L, HIGHLY CONTORTED
			65°													
137.6																
138.9																WHITE QZ - CB-L VEIN
	140															NARROW GREY FINE GRAINED CL PHYLLIC QTZITE BANDS BECOME COMMON

Depth	Bedding Dip	Remarks
141.1		PHYLLITE - AS PREVIOUS
142.3		PHYLLIC QUARTZITE - LIGHT GREY, COARSE GNED, CL≥MS=F, CB=L, OCC. PHYLLITE PARTING
		PHYLLITE - TOP 0.7 FT. GOUGE - FLT - BEDDING, AS PREV, IN PARTS QZ-CL PHYLLITE
144.9	65°	PHYLLIC QUARTZITE - LIGHT GREY, FINE-MED GRAINED, LAMINATED M$>CL=F, CB=F; OCC PHYLLITE & QZ-CL PHYLLITE PARTINGS.
	70°	
154.8		QUARTZ CHLORITE & CL PHYLLITE INTERBANDED. - CB=F
155.8		PHYLLITE - WITH STRONG. QUARTZ VEINING.
157.8		PHYLLIC QUARTZITE - LIGHT-MED GREY, FINE-MEDIUM GRAINED LAMINATED, CL=L>MS, CB=M
166.5		0.4'-FAULT=F - CL=H PHYLLIC QUARTZITE. -- CORE STARTS TO BE HIGHLY FRACTURED
168.1		PHYLLITE - SOFT & BROKEN - FAULT=F.
169.2		
172.0		PHYLLITE - SOFT & GOUGY = FAULT=M.
173.2		
176.1		PHYLLITE - SOFT, GOUGY, CL=H GRAPHITE=L, WHITE QZ-CB=L VEINING UP TO .7 FT WIDE
187.0	70°	
189.2		PHYLLIC QUARTZITE - LIGHT GREY, FINE GRAINED, LAMINATED, QZ ±25% CL=M≥MS CB=H (CARBONATE CHLORITE PHYLLITE)
		CARBONATE-CHLORITE PHYLLITE - DARK GREEN CB SPECKLING & WEAK LAMINATIONS = H.
192.2		FAULT? - 0.5" BROKEN & GOUGY
		PHYLLIC QUARTZITE - LIGHT GREY, FINE-COARSE GRAINED MS; CB=L LOOKS VERY SIMILAR TO CLEAN SL ZONES AS IN E4
196.9	70°	WHITE QZ-CB=L.
197.7		CB & CL PHYLLITE PARTING & LAMINATIONS BECOME MORE COMMON.
199.5		CARBONATE CHLORITE PHYLLITE
200.5		PHYLLITE - DARK-LIGHT GREENISH GREY, LAMINATED, CL≥MS=H CB=L LAMINAE, SOME LAMINAE QUARTZOSE
203.5	70°	CARBONATE CHLORITE PHYLLITE - MASSIVE, CB=A, SPECKLING & LAMINAE
205.5		CARBONATE-CHLORITE PHYLLITE - LIGHT GREEN CB=X, QZ=F(10-20% CL=F.
208.4		WHITE QZ-CB=L
209.4		

DDH: D1-90° DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	RECORDED DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS	PBS	INSIDE OF RESISTANCE	REMARKS
211.0	210																CARBONATE CHLORITE PHYLLITE — AS PREVIOUS, OCC NARROW CALC QUARTZITE BANDS
			75°														PHYLLIC QUARTZITE - DARK GREEN, FINE GRAINED CL=F, CB=F-M, PHYLLITE BANDS COMMON TOWARDS BTM CNT
	220																
222.1																	WHITE Q2 SEGREGATION
223.1			70°														FLT=L 0.1 GOUGE
																	PHYLLIC QUARTZITE - LIGHT GREY, COARSE GRAINED, LAMINAE CB=F, PERVASIVE CB=L, CL=F M&YCL, PHYLLITE PARTING COMMON TOWARDS BTM CNT.
	230																
230.7																	PHYLLITE - NARROW DARK GREEN PHYLLIC QUARTZITE BANDS OCC PRESENT; Q2-CB=L SEGREGATIONS TO 0.5 FT COMMON
237.5			75°														FLT P - 234.0 - 239.0 - 1.5 FT BEC
239.5	240																PHYLLIC QUARTZITE - MED-DARK GREEN, MED GRAINED, CL=M-A CB=L-F
242.8			70°														PHYLLITE - CB=N-L, OCC DARK GREEN QUARTZITE AND Q2-CB=L SEGREG
246.0																	PHYLLIC QUARTZITE - LIGHT - DARK GREENISH GREY, FINE GNED CL2 M&=M, CB=L, PHYLLITE PARTING COMMON TOWARDS BTM CUT.
248.0																	WHITE Q2-CB=L SEGREGATION
248.5																	
	250																STRONG Q2-CB=L SEGREGATION IN QUARTZITE & PHYLLITE
250.5																	
251.5																	FAULT - ∠ 30° -
253.4																	FAULT - QITE BRECCIA IN PHYLLITE - MAJOR FAULT
254.3			70°														PHYLLITE, GOUGY QUARTZITE & VEIN QTZ
																	PHYLLITE - DARK CL=H, CB=N WITH LAMINATIONS & NARROW BANDS <0.2 FT OF DARK GREY/GREEN CB=N QITE, GRAPHITE=L HIGHLY CONTORTED
	260																
264.5	264.0																
	267.6		75°														BRECCIA - FLT ∥ W IN PHYLLITE
269.6																	FAULT - 0.2' GOUGE
	270																PHYLLIC QUARTZITE - LIGHT PALE GREEN FINE GRAINED QUARTZITE CB=N WITH INTERLAMINATIONS AND NARROW BANDS OF LIGHT GREEN PHYLLITE MS>CL=H, Q2 SEGREGATIONS COMMON
273.6																	FAULT - 0.2' GOUGE
275.5	275.0		75°														STRONGLY CL & CB = CARBONATE CL > Q2
																	FLT = F AS° ∥ W
	280																PHYLLITE - DARK CL>M& GRAPHITE=L WITH LAMINATION & NARROW BANDS OF DARK GREEN QITE
280.0																	

DDH: D1-90° DIP: COORDINATES: H00 JOINT VENTURE DATE: PAGE 5 of 5

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZnS	PbS	mode of occurrence	REMARKS
	280																
284.3																	PHYLLIC QUARTZITE - LIGHT GREY, FINEGRAINED M∮=F-M, CB=N.
285.8			75°														- FLT -45° ± W FRACTURED & IN PLACES GOUGY
288.2																	PHYLLITE - N CB - NUMEROUS GOUGY FEC
	290																CARBONATE-CHLORITE PHYLLITE - CB - SPECK & DIFFUSE LAMINATIONS CB=M
296.0			75°														
297.0																	- FAULT STRONG WHITE QZ SEC IN PHYLLITE
	300																
301.0																	PHYLLIC QUARTZITE - LIGHT GREY, FINEGNED, M∮=L
304.3			75°														CARBONATE CHLORITE PHYLLITE - CB=F, TOWARDS BTM - CB LAMINATIONS
308.0	END.																
	320																
	330																
	340																
	350																

DDH: E1 DIP: 90 COORDINATES: HOO JOINT VENTURE DATE: July 73 Page 1

090950

Graphic Log	Interval	Rock Name	Bedding Dip	FRC Density	Color	Texture	Structure	PY	MG	BI	MS	Graphite	HE	ZnS PbS	Mode of Occurrence	Leached	Remarks
Casing	10	Phyllitic QZTE			Weathered			0	N	N	3	N	N	SL 2 GL-N	DB QZ		Weathered and Leached — M recovery poor. caliche deposition SL occurs dessiminated in masses in QZ bands minor Hydrozincite
		Phyllitic QZTE			5G 6/1	interlaminated CL/MS and QZ Few QZ clasts	phyllitic	0	N	N	3	N	N	SL 1 GL N	DB QZ		weathered poor recovery broken
□	20	LSTN		H		recrystallized -H	shattered	4	N	N	L	L	N	N			LSTN recrystallized and shattered pyritic and ferruginous
□ S	30	LSTN		H		massive recrystallized -H	shattered	3	N	N	L	F	N	N		F	FLT BRXX 25.0 5.0' 10-15° ∡ S; Ferruginous recrystallization of CB shatter above and below zone of BRXX LSTN shattered, supergene-M, non laminated broken recovery good.
	40	CL LSTN		H	N 7	recrystallized -H	FRC shattered	3	N	N	L	M	N	SL 3 GL N	FRC V>D	F	33.5 - 40.0 Trace ZnS in sinuous veinlets and Desseminated JA occurs in FRC SL in FRC usually. CL planar but not consistent CA recrystallization largely related to FRC → V and bulbs
	50	CL LSTN		M	N 6	recrystallized -M	FRC SHATTERED							SL-4 GL 0	FRCV >D	F	45.A FLT -M 0.5' 20° ∡ minor gouge ∓ Py marblized below ~1.0' to 45.5 SL increases in marble and below. FRC density decreased. SL toward Btm tends to occur in bulbous masses desseminated — replacement
M 0.5	58	CL LSTN		M	N 6	recrystallized -M	FRC shattered	3	N	N	L	M	N	SL 4	DB = FRCV	F	55.0 - 56.2 Strong marble SL-3 assoc. minor dessem CL. SL banded and strong veins both sinuous -m. 58.0 minor chert black @ CA veinlets
	60	CALC QZTE	15°	M		lam recry CA -M	FRC shattered	4	N	N	L	M	N	SL-8 GL-2	DB	L	Hydrozincite appears in qzte. The FRC network in Qzte show minor offsets of the order of ½". Recrystal CA vein and Bulbs.
	61.8	CALC QZTE		L		lam recry CA-M	phyllitic	3	N	N	M	L	N	SL-6	DB	L	TRN to CL MS phyllite
	62.7	QZ CACL phyllite	15°	L				2	N	N	M	L	N	SL-1	D	L	Secondary lineations on FRC's
	64.1	CA CL QZTE		L		lam	phyllitic	4	N	N	F	L	N	SL-4	DB	L	SL assoc @ CL lamellae, graphite too
	66	CL LSTN Phy QZTE		M	N 6	mass	FRC	3	N	N	L	F	N	SL-2	FRCV	N	weak lam at btm -CL SL w CL lamellae occ. 68.0 - 1.8' Phy QZTE MS 10% SL-7 DB
	70	CL LSTN		H		mass recry-M	FRC	S	N	N	L	L	N	SL-0	FRCV	N	CL-H

DDH: E1 DIP: 90° COORDINATES: 1100 JOINT VENTURE DATE: Aug 23

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZNS PBS	MINOR MINERALIZATION	LEACHED	REMARKS
	73.2	CL LSTN		M			mass	FRC.	4	N	N	F	L	N	SL-3 GL 1	DB	N	slightly siliceous - muck CL - greenish color recry CA V and nodular
																	77.4 3.2 marbleized - M SL-2 masses
																	79.2 1.5' FLT - M 32°A B minor G shaped
	80	EI LSTN		M	N	4	mass	FRC recry	5	N	N	F	F	N	SL 5 GL 1	M D	N	SL occurs masses assoc w recry CA; B in siliceous matrl
	82.2	CA QZTE.		M	N	4	Fine grn Lam.	FRC	4	N	N		F	N	SL 5 GL 1	DB	N	83.0 0.9' FLT 33°? minor G CL
A																		84.0' 0.9 FLT 10°A -S gouge displacement minor BRXX
																		FLT-M 2.6' 90.0 35°A shear minor G leached - F
	90	calc Phyllite		H			sheared	L	N	N	F	L	N	SL-N				SL at 90.0 in QZTE band 0.1' Talc appears
	93.5	CL Wacke		M				phyllitic	L	N	N	M	L	N	L	D	N	TRN to QZ CL (MS) wacke
																		93.7 0.2' QZ vein CNT irreg.
M	96.5	QZTE	17°	F	N	9	LAM Fine grn		5	N	N	7	N	N	SL-6 GL 1	DB	N	MS lamellae, CB element(?) some lens recry CB
	100	calc QZTE	16	FM			lam recry CB		5	N	N	L	M	N	SL 3	DB	N	graphitic, FRC, and recry CB
																		100.8 0.3 QZ CB V 103.8 QZ V 0.3'
																		103.4 1.1' FLT? Pyritic broken.
																		107.3 FLT-M 2.0' SLK 10°A
																		SL 108.3 in 0.2 qz to band assoc PY, CL
W 1.1	110	SI LSTN		H			FRC-H		5	N	N	L	M	N	SL-1	D		+ recrys V and masses.
2.0																		109. 1.2' QZ minor CB vein
																		112.0 FLT-S 13°A G
																		113.6 FLT-M 0.1 G
																		114.3 0.3' FLT 60°A -S G BRXX
																		116.6 0.7 FLT-S 40°A Gouge-MS, cy
0.3 S																		115.3 0.4 QZ vein G-MS cy Broken
	120	SI LSTN		X	N	5	recrys'd -H	FRC	5	N	N	F	M	N	SL-1	D	N	119.8 1.0' QZ vein CB-F
																		SL in rare siliceous fragm.
	123.5	QZTE		M	N	3	recry-M CB lam.	shear	4	N	N	N	H	N	SL-3	DB	N	sheared and folded
0.2 S																		
0.1	127.5	graphitic phyllite			N	3	Lam	contorted broken	2	N	N	F	X	N	N		N	Non ferruginous, usually chloritic
	130	QZTE	33°	L	SG	8/1	Fine grn Lam	phyllitic	2	N	N	M	N	N	SL-2	D	N	Minor CB cement? FRC chloritic
																		rapid TRN to > phyllitic @ > MS also generally more CB
																		138 - 2.0' recovery 0.3' bull qz and CL FLT?
																		140 - 2.0' recovery 0.2' CL CA and minor QZ Sup-M
		phyllitic																RPy > lamPy fine grn coarsening downward
	140	QZTE	30°		N	7	lam recrys'd CB V	phyllitic broken	2	N	N	H	N	N	N		L	

DDH: E1 DIP: 90° COORDINATES: HOO JOINT VENTURE DATE: Aug 73

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR		TEXTURE	STRUCTURE	Py	MG	Bi	MS	GRAPHITE	HE	CL			ZnS PbS	MODE OF OCCURRENCE	LEACHED	REMARKS
	150	Phyllitic QZTE	35°	L			thin to med lam course grn	Phyllitic	2	N	N	6	L	N	7			SL 0 GL 1	DB >D	N	144-146 several narrow lamellae clean QZTE med dark gray @ GL and SL TRACE CP Py assoc. 148.8 0.8 FLT 45°∠-S G cy sand Sup-M D GL rare toward 150'
(bedding) 88° S; 0.7 M	160	Phyllitic QZTE	20°	F	N 5 slight green		LAM-M thin lam course grn	Phyllitic	2	N	N	4	L	N	8			SL 0 GL 0	DB	N	153.0 2.0' FLT-M 20°∠ Bedding planes gouge crush cy sand. within chloritic horizon. some graphite. 156.4 FLT-M 20°∠ G Sup -cy // bedding 0.9 Py elongated on bedding SL D Trace CL matrix and partings recovery loss CB-M
W 1.0	170	Phyllitic QZTE	25°	F	5GY	6/1	m-course grain QZ LAM-M	Phyllitic partings	3	N	N	7	N	N	6			SL 0 GL 0	DB	N	162.5 FLT-W bedding slip 1.0' G, BKN, bleaching 166.1 0.6 FLT-W bedding slip 25° dip 170 -5.0 dominatly MS parting at expense of CL - color pale yellow green. SL Trace in clean QZ bands. Py elongated. recovery poor CB-F
	180	Phyllitic QZTE		L	5GY	6/1	course grn QZ thick LAM LAM-H	phyllitic parting minor contort	5	N	N	8	N	N	6			SL-2 GL-1	DB	L	180 3.0 SL-4 D in clean QZ - phyllitic MS and CL partings and thick lamellae QZ. length dominatly MS phyllitic but has inter CLic finer grn more massive QZTE CB-L recovery poor
	190	Phyllitic QZTE	43	L	5G	8/1		phyllitic partings	3	N	N	7	N	N	6			SL-3 GL-2	MB> DB >D	N	183.0 -2.0 bedding slip G cy sand BKN 185-185.0 CL = MS 185-190 MS > CL 188.7 - 1.7' MS Phyllitic QZTE @ bands SL > GL also some D. Bands occur in low CB clean gray QZ mixed GL + SL CB-F
	200	Phyllitic QZTE		F	5GY	8/1	thick LAM LAM-M m-course grn	phyllitic minor contort	2	N	N	7	N	N	5			SL 6 GL 4	MS> DB >D	N	193 terminating QZ Boudin D SL-2 clean appears granular; CL rim Bands dissem SL throughout ✓ minor CP assoc - occurs at SL grain boundaries GL assoc @ SL
	210	Phyllitic QZTE		L	5GY	6/1	thin LAM lam-F fine-med grn	phyllitic	4	N	N	6	N	N	7			SL-3 GL-1	DB >D	N	rapid TRN to CL > MS poorly lam, > Py > CB thin lam.

DDH: E1 DIP: 90 COORDINATES: HOG JOINT VENTURE DATE: Aug 73

Interval	Rock Name	Bedding Dip	FRC Density	Color		Texture	Structure	Py	MG	BI	MS	Graphite	HE	CL	ZnS PbS	Mode of Occurrence	Leached	Remarks
220	Phyllitic QZTE	40°	F	5GY	4/1	thin LAM LAM-F fine grn	recry QZ phyllitic contort	3	N	N	L	4	N	9	SL-1 top, btm-N.	D	N	214.3-215.0 QZ Vein CB-L minor CL remnants 215.1 0.1' Thick laminated MSCL. Phyllitic QZTE w ZnS bands-M 216.3 QZ Vein. prob w. bedding orientation 219.1 FLT-M prob bedding 40° ∡ G Cy contorted after 216.3 section becomes graphitic and > calcareous
222.0	Phyllitic QZTE																	222.0 FLT 0.2-M bedding orientation, graphitic horizon. cy G drag folds
225.1	calc QZTE		M			mass recry QZ CB	FRC-M	2			L	5	N	L	N		N	calcareous, graphitic CL > MS GRAPHITE-8 226.8 BRXX FLT bedding QZ CB blocks @ CL QZ CB matrix grad to graphitic matrix 1.8' - 5 Py-8 227.9 1.1' FLT bedding 18° dip - W. Py-6 minor G
230	Phyllitic QZTE	20°	M			fine grn recry CB QZ	drag fold	4	N	N	L	7	N	6	N		N	CB-M py porphyroblasts euhedral
237.2	Phyllitic graphitic QZTE	30°	M	N	4	thin LAM LAM-H recry CBQZ	phyllitic graphitic partings	4	N	N	L	8	N	5	N			QZ boudins. minor offsets on frc euhedral Q Py.
240	CL WACKE	30°	L	5GY	6/1	Lam-M thin		3	N	N	3	N	N	7	N			Some Clean QZ horizons CB-L recry.
241.3	CL WACKE			5GY	6/1	medgrn Lam-M	Lam.							7				245.1 FLT Bedding slip in graphitic matrl 45° dip 0.5-M 245.5-246.3 graphitic 246.7-247 graphitic
250	Phyllitic QZTE	27°	F			crossLam? medgrn	phyllitic	3	N	N	4			7	SL-1	D		CB-H recry QZ boudins
260	Phyllitic QZTE	35°	L	N	6/	coarsegrn med LAM Lam-H	phyllitic contorted -M	5	N	N	7	4	N	7	SL-0	D		254.5 1.6' QZ V minor CL 259.1 0.4' Graphitic CB-L Py euhedral porphyroblasts.
270	Phyllitic QZTE	37°	M	N	5	coarsegrn Lam-M med thick lam.	phyllitic	3	N	N	3	6	N	7	SL 0	D	N	262.5 0.7 Graphitic 269.0 FLT-W 0.1 10° ∡ GRAPHITIC sep-W unit is sometimes gritty to 3mm and slightly GRAPHITIC CB-L
280	Phyllitic QZTE	37°	L			coarse grn LAM M	phyllitic partings	4	N	N	7	3	N	4	N	N	N	270.7 0.4 FLT 35° bedding slip GRAPHITIC drag folds.-W TRACE D JA after Py slightly graphitic to 275 CB-L

DDH: E1 DIP: 90° COORDINATES: HOO JOINT VENTURE DATE: Aug 73

Graphic Log	Interval	Rock Name	Bedding Dip	FRC Density	Color		Texture	Structure	Py	MG	BI	MS	Graphite	HE	CL			ZnS PbS	Mode of sulfide	Leached	Remarks
	290	Phyllitic QZTE	37	L	5GY	7/2	course grn LAM-M	Phyllitic partings	6	N	N	7	N	N	3			SL-4 GL-2	DB> FRC >D	N	Bands SL assoc w - Py GL Tr Cy Some FRC SL some D SL. sulfides assoc @ clean QZ - recrys?
	300	Phyllitic QZTE	33	L	5GY	7/2	course grn LAM: M	Phyllitic partings	4	N	N	7	N	N	3			SL-3 GL-0	D> DB	N	294.9 FRC offset minor recry QZ masses SL, only minor SL below FRC Rx is gritty thruout CB-L
	310	Phyllitic QZTE	33	L	5GY	7/2	thin lam course grn	phyllitic parting	4	N	N	7	N	N	3			SL-4 GL 0	D> DB	N	gritty, parting are thin, QZ lamellae 3-4 mm often and thinner SL grain dessem in clean QZ Some bands Py gritty to 2.5 mm.
W 0.9	320	Phyllitic QZTE	18°	L	5GY	7/2	thin lam Lam-M med grn	thin phyllitic parting	5	N	N	7	N	N	3			SL-2	D	N	311.5 band SL GL CP (10:3:0.1) in clean grayish QZ - granular? recrystallized (?) or micaceous minerals migrated out in drag folded area Pyrite also assoc 313.2 0.4 FLT - W 50° ∡ @ bedding G-L BKN CB-L becoming less gritty finer grn CL - shards
N	330	Phyllitic QZTE	23	L	5GY	7/2	med grn Lam-M thin Lam	thin phyllitic parting	5	N	N	7	3?	N	5			SL-2 GL-0	D	N	324 several bands SL D 325.5-326.7 Py bands CB-L recry QZ black spec dessem, appear to be graphite. (perhaps HE?) break under pressure like graphite
	340	Phyllitic QZTE	20	L	10GY	5/2	fine grn LAM-F thin LAM	Phyllitic	3	N	N	6	F	N	7			N		N	335.0 0.2 FLT 25° ∡ opp bed G-M BKN W 339.4 QZTE 0.6' 15° dip minor MS-6 hard CB-L fine grn
BTM. END QZ V.	342				5Y	6/1	v.fine grn thin LAM	phyllitic	2	N	N	6	N	N	N	L		O		N	341.3 0.7' QZTE MS-6 hard CB-L fine grn BTM of hole QZ V @ minor CL

DDH: E2-90 DIP: COORDINATES: H00 JOINT VENTURE DATE:

090950

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZnS	PbS	MODE OF OCCURRENCE	REMARKS

OVERBURDEN

16.0

20.0 — 20 — 80°

CARBONATE CHLORITE PHYLLITE - DARK GREEN, STRUCTURELESS SOFT WITH GOOD PINHEAD SIZE CALCITE SPECKLING, WEAK LI-PY. DISS, OCC TO 10MM LENSE, PARTING AND 0.1 FT BAND OF WHITE LIMESTONE

PHYLLIC QUARTZITE - LIGHT GREY, CLEAN M$-F WITH NUMEROUS LAMINATIONS - PARTINGS OF M$-M$ SCHIST FAIR DISS LI CUBES CX PY

28.5

30 — 80°

CARBONATE CHLORITE PHYLLITE - DARK GREEN, SOFT, WITH IRREG. LAMINATIONS OF LIGHT GREY LIMESTONE AND STRONG SCATTERED PINHEAD CARBONATE, TOWARDS BTM CNT ARENACEOUS

32.3

CARBONATE CHLORITE PHYLLITE - LIGHT GREY LAMINATED, CONT CHLORITIC PARTINGS IN A WHITE CARBONATE - CHLORITIC LIMESTONE DISS FRG LIMONITE. - SLIGHT MORE CB THAN NORMAL CARBONATE, CHLORITE PHYLLITE

39.2

40 — 80°

CARBONATE CHLORITE PHYLLITE - ALTERNATING BANDS OF DARK GREEN, SOFT, MASSIVE CHLORITE-H, PINHEAD CA SPECKLING AND CALCITE PARTINGS; AND LIGHT GREENISH GREY, CRUDELY CL LAMINATED CARBONATE-CHLORITE-M ROCK, MAY BE SLIGHTLY ARENACEOUS SAME ROCK TYPE SINCE 16.0

50 — 80°

60 — 80°

64.3 — 60°

68.3

70

PHYLLIC QUARTZITE - LIGHT GREY, FINE GRAINED, M$-F, WITH NUMEROUS, LAMINATIONS PARTINGS & <0.2 FT BANDS OF M$ SCHIST, SLIGHT CALCAREOUS,
68.3-0.2' - MASSIVE PY ASSOC QZ VN

SEE PAGE 2

DDH: E2-90° DIP: COORDINATES: H00 JOINT VENTURE DATE: PAGE 2 OF 4

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZnS	PbS	MINOR OCCURRENCE	REMARKS
	80		80°														PHYLLIC QUARTZITE - VERY SIMILAR TO PREVIOUS - DARK FINEGRAINED QUARTZ WITH CL VARYING FROM F = PHYLLITE TO H WHERE ROCK BECOMES QZ-CHLORITE SCHIST, ROCK SLIGHTLY CALC, BANDS OF CL. LIMESTONE & CARBONATE - CHLORITE PHYLLITE, WEAK DISS PY.
83.3																	
88.5	90																PHYLLIC QUARTZITE - LIGHT-MEDIUM GREY, FINEGRAINED, MASSIVE - WEAKLY LAMINATED M$ & CL QUARTZITE - MICA - GREEN MAY BE COMPLETED M$. PYRITE 1-2%, FRACTURED & BRECCIATED AT BTM CONTACT.
91.5																	CARBONATE, CHLORITE PHYLLITE - LAMINATED TO MASSIVE
98.0	100		76°														PHYLLIC QUARTZITE - LIGHT GREY, MED GRAINED, M$ = L-F, MASSIVE WITH OCCASIONAL BAND WHERE M$ & CL PARTINGS & LAMINATIONS COMMON, FAIR PERVASIVE & MODERATE FRACTURE CARBONATE.
102.0																	PHYLLIC QUARTZITE - AS ABOVE - M$ PARTING & LAMINATION IN PLACES NARROW DARK GREEN M$ + CL, OCC WHITE CARBONATE + CL LAMINATIONS & BANDS, LIGHT COLORED CARBONATE LAMINATIONS SHOW RECUMBANT FOLDING.
105.5	110																PHYLLIC QUARTZITE - WHITE - LIGHT GREY, FINE-MED GRAINED M$ = F, DISS; WEAK LAMINATED PY = <1%
113.5			70°														PHYLLIC QUARTZITE - DARK GREY, M$ = H, OCC SLIGHTLY CALC PARTINGS & OCC. 0.1' BAND WHERE PY = H
117.3	120																PHYLLIC QUARTZITE - LIGHT GREY, MS = F, M$ TOWARDS BTM CNT, FINEGRAINED, NARROW LAM. CARBONATE
121.3																	PHYLLIC QUARTZITE - DARK GREY, GREENISH TINGED, M$ = A FOLIATION HIGHLY CONTORTED - 0°-30° ∠, SLIGHT PERVASIVE & STRONG FRC CARBONATE
128.5	130																CARBONATE-CHLORITE PHYLLITE - LAM, PINHEAD SPECKLED. CARBONATE
132.0			66°														PHYLLIC QUARTZITE - LIGHT GREY, M$ = F, FINE CB FRC.
136.6			50°														
132.5	140																CARBONATE-CHLORITE PHYLLITE - W = A OCC PARTING OF LIGHT GREY M$ QUARTZITE PHYLLIC QUARTZITE

DDH: E2 -90° DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS	PbS	MODE OF OCCURRENCE	REMARKS
141.5	140																PHYLLIC QUARTZITE - LIGHT GREY, M#=F, CA IN FRC.
COUGE 142.5			40°														PHYLLIC QUARTZITE - NUMEROUS PARTINGS TO NARROW BANDS OF KHAKI - DARK GREEN STRONGLY FOLIATED, CALC LAMINATED CHLORITE2M# RICH ROCK - CHLORITE SCHIST - CALC.
GOUGE 148	150																
151.0																	PHYLLIC QUARTZITE - LIGHT GREY, FINE GRAINED OCC STRONG DARK GREEN M# (CL?) LAMINATIONS.
154.0			80°														CARBONATE CHLORITE PHYLLITE — DARK GREEN WITH IRREG. LAMINATIONS & PARTINGS OF WHITE CARBONATE. LIGHTER COLOR TOWARDS BTM CNT
	160																
168.0			75°														QUARTZ CHLORITE PHYLLITE - MASSIVE — LAMINATED. DARK GREEN CHLORITE: H, QZ VARIES FROM H - L, WITH LAMINATIONS AND PARTINGS OF WHITE QZ, AND IRREG. QZ SPECKING, OCC. SLIGHTLY CALC, NARROW QZ-CARBONATE SEGREGATIONS COMMON
	170																
			75°														
	180																
181.3			75°														CARBONATE CHLORITE PHYLLITE — DARK GREEN - WHITE NARROW BANDED - LAMINATED DARK GREEN MASSIVE CHLORITE, SLIGHT - NIL CALC PHYLLITE & CHLORITIC LIMESTONE - LIGHT WHITISH GREY
189.5	190																
191.0																	CHLORITIC LIMESTONE - MASSIVE, KHAKI COLORED, HIGHLY FRC & CARBONATE VEINED
192.0																	LIMESTONE - BLUE GREY
193.5			80°														CARBONATE CHLORITE PHYLLITE — DARK GREEN MASSIVE CHLORITE CARBONATE WITH IRREG. WHITE CARBONATE LAMINATIONS. BTM 0.5 FT TO PALE GREEN CHLORITIC LIMESTONE
	200																LIMESTONE — DARK BLUE GREY, FAINTLY LAMINATED, FINE - MEDIUM GRAINED WITH MODERATE WHITE CARBONATE FILLED FRACTURES, OCC. PARTING CL LIMESTONE, PYRITE - 1-2%
202.5			80°														LIMESTONE - DARK GREY, MICROCRYSTALLINE
207.0	210																LIMESTONE

DDH: E2 DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZOS	PBS	MINOR STRUCTURE	REMARKS
216.7	210																CARBONATE CHLORITE PHYLLITE – DARK GREEN CL≤CB WITH OCC IRREG PARTING & LAMINATION OF LIGHT COLORED CB, IN PLACES CB=U-L
216.5	220		70°														CARBONATE CHLORITE PHYLLITE - AS ABOVE WITH NUMEROUS PARTING TO NARROW BANDS UP TO 0.5 FT OF LIGHT GREENISH GREY CHLORITIC LIMESTONE, MORE NUMEROUS TOWARDS BTM CONT.
224.8	230		70°														LIMESTONE - LIGHT COARSE GRAINED, GRADING INTO DARK BLUE GREY, MASSIVE, FINE GRAINED, WITH FINE WHITE CARBONATE FILLED FRC'S, OCC SLIGHTLY LAMINATED PY-1-2%
233.0			70														
237.2	240		70°														LIMESTONE - MED GREEN, FINE - MED. GRAINED, MASSIVE CL=F LIMESTONE (CARBONATE - CHLORITE PHYLLITE?) WITH PARTINGS; NARROW BANDS OF CHLORITE, CB=L, PHYLLITE LIMESTONE – LIGHT TO MED BLUE GREY, FINE GRAINED MASSIVE TO LAMINATED WITH WHITE CARBONATE FILLED FRACTURES, OCC. SHALY PY & CB PARTING, PY<1%
	250		70°														
	260		70°														
269.3	270																COARSE WHITE CALCITE VEIN ∠20°
271.3																	
273.2																	CHLORITIC LIMESTONE – PALE GREEN - LIGHT GREY, MASSIVE OCCASIONALLY LAMINATED (CL=H CB=L) CL=F VERY FINE PYRITE 1-2%, MINOR FINE WHITE CB VEINING
END OF HOLE. 278.0																	

DDH: E3-90° DIP: COORDINATES: H00 JOINT VENTURE DATE: PAGE 1 OF 4

090950

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZnS	PbS	MODE OF OCCURRENCE	REMARKS
	0																OVERBURDEN
	10																
	20																
22.0																	OVERBURDEN - 2° DARK GREEN, FINE GRNED VOLCANICS. LIGHT COLORED COARSE QZ-FL PPRY
24.0																	PHYLLIC QUARTZITE - LIGHT GREY, FINE GRAINED QZ-M$ (A)
25.5			70°														QZ-M$ SCHIST.
	30																STRONG LIMONITE STAINED, M$=Y - M$ SCHIST, CB=N-L.
33.3			75°														PHYLLIC QUARTZITE - LIGHT GREY, MEDIUM GRAINED, M$=F, PY 1-2% TO LIMONITE GNING SLIGHT RUSTY STAIN, CB=L-F
	40																
43.0																	WHITE QZ-CB-L VEIN
44.0			75°														PHYLLIC QUARTZITE - LIGHT GREY, FINE-MEDIUM GRAINED, WEAKLY LAMINATED, M$=F, CB=F, QZ SEGREGATION TO 3/8" ALONG FOLIATION
	50																
52.8			70°														CARBONATE-CHLORITE PHYLLITE - DARK GREEN, MASSIVE, CB AS TO 1/4" IN A VERY FINE GRAINED DENSE SOFT CHLORITE MATRIX, INCREASING CB TOWARDS BTM CNT - APPROACHING A CHLORITIC LIMESTONE.
58.9																	
60.2	60																CHLORITE PHYLLITE - DARK GREEN, CB=N
61.0			70°														PHYLLIC QUARTZITE - CL PARTINGS TOWARDS BTM CNT.
																	PHYLLIC QUARTZITE - LIGHT-MED GREY, FINE GRAINED, INTERLAMINATED & NARROW INTERBANDED. DARK GREEN CB-M$ PHYLLITE & FINE GRAINED M$ QUARTZITE, OCCASIONAL UPTO 1.5' BANDS OF FINE GRAINED GREENISH GREY QUARTZITE, MSS CL.? CB: L-N.
	70																

DDH: E3-90 DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZOS	PLS	MODE OF OCCURRENCE	REMARKS
	70																CHLORITE MS PHYLLITE & CL MS PHYLLIC QUARTZITE
			80°														
	80																
			80°														
	90																
92.2																	CARBONATE CHLORITE PHYLLITE — STRONG PINHEAD-¼" CB VNS IN A DARK GREEN CL-MATRIX, LAMINATED TOWARDS BTM CONT AND QZ=F
94.8																	
96.5			75°														
	100																PHYLLIC QUARTZITE — DARK GREY GREEN, OCCASIONALLY LIGHT GREY GREENISH TINGED, FINE-MEDIUM GRAINED MS≥CL QUARTZITE WITH LAMINATIONS & OCC NARROW IRREGULAR BANDS TO 0.3E OF CHLORITE PHYLLITE - SOMETIMES QZ-CL PHYLLITE, CB=L IN PLACES = M.
108.8	110																FAULT- 30°∠ QZ VEINING M∠ CARBONATE-CHLORITE PHYLLITE — CB=M
111.2																	
115.5			70°														CARBONATE-CHLORITE PHYLLITE - CB SPECKLING IN A DARK GREEN CL MATRIX
118.8	120																
126.0			80°														TRN — FAULT-F-0.2' GOUGE. PHYLLIC QUARTZITE - DARK GREY, FINE-MED GRAINED, CL=A ZN M∠ QUARTZITE, IN PLACES CL LAMINATIONS.
	130																
130.6																	
131.7																	WHITE QZ-MINOR CB
134.5			80°														CARBONATE CHLORITE PHYLLITE — DARK GREEN, GENERALLY QZ=F, INTERLAMINATED & NARROW INTERBANDED WITH PHYLLIC QUARTZITE - LIGHT GREY. CL=F LIGHT GREY, CL=MS=L QUARTZITE CB=F-M.
135.5																	
	140																

DDH: E3-00° DIP: COORDINATES: H00 JOINT VENTURE DATE:

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZDS	PDS	MINOR STRUCTURE	REMARKS
142.0	140		80°														FLT=M - 0.5' GOUGE
145.0																	CHLORITE PHYLLITE - HIGHLY SCHISTOSE, CONTORTED. CL≥GRAPHITE WITH OCC NARROW PARTING OF QUARTZITE FAULT ZONE
148.3	150																PHYLLIC QUARTZITE - LIGHT GREY, FINE-MEDIUM GRAINED LAMINATED - MASSIVE CL=F QUARTZITE WITH UP TO 2.0 FT LAMINATIONS & BANDS OF CL-GRAPHITE PHYLLITE WITH QUARTZITE PARTINGS & NARROW BANDS CB=L
	160		60°														
164.0	170		75°														PHYLLIC QUARTZITE - GREY, FINE GRAINED, CB: F, MS: L-F
171.1																	WHITE QUARTZ - MINOR CB
172.2																	CARBONATE-CHLORITE PHYLLITE - GREENISH WHITE, CB: H CHLORITIC LIMESTONE
174.5	175.7		80°														FAULT=F - BROKEN & GOUGY IN PARTS DARK GREY FINE GRAINED, TRANSITIONAL TO A LAMINATED CL LIMESTONE - MINOR QZITE
177.6	180																PHYLLIC QUARTZITE - DARK GREY GREEN, FINE GRAINED, WEAK IRREGULAR WIDE LAMINATIONS, CL=H, LIGHT NARROW LENSES - CB=A OVERALL CB=L OCC NARROW BANDS OF CL PHYLLITE-SCHIST
189.0	190		85°														
194.5	200		80°														CARBONATE CHLORITE PHYLLITE - DARK GREEN, CB SPECKLED=H QZ=??, CL=H OCC CL PHYLLITE WITH NUMEROUS LAMINATIONS & NARROW BANDS OF WHITE SEC QZ, LIMY BANDS AND CALC LIGHT GREY MED GRAINED QUARTZITE
201.0			70°														TRN PHYLLIC QUARTZITE - LIGHT-DARK GREY FINE GRAINED CL=H% QUARTZITE WITH INTERBANDED CL=H% PHYLLITE QZ=L AT TOP AND BOTTOM CONTACTS
210.5	210																PHYLLIC QUARTZITE - DARK GREENISH GREY, FINE GRAINED WEAKLY LAMINATED CB=M, CL=H%.

DDH: DIP: COORDINATES: H00 JOINT VENTURE DATE:

210.5	215.3	220.5	229.0	END OF HOLE

GRAPHIC LOG	INTERVAL	ROCK NAME	READING DIP	FRC DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	ZnS PbS	MODE OF OCCURRENCE	REMARKS
	210															PHYLLIC QUARTZITE
			75°													CHLORITE GRAPHITE PHYLLITE - DARK COLORED, LAMINATED. GRAPHITE & CL SCHIST. CB=N.
																FAULT - L - 0.2' GOUGY.
	220															
																PHYLLIC QUARTZITE - DARK GREENISH GREY, FINE GRAINED CL=F. M$=L CB=N WITH OCC NARROW BANDS OF CL PHYLLITE OCC INTERLAMINATED WITH QUARTZITE.
			75°													
	230															
																CHLORITE PHYLLITE - DARK PURPLISH GREY CL GRAPHITE PHYLL
																QUICKLY GRADING INTO & INTERLAMINATED DARK COLORED CB QUARTZITE & CHLORITE PHYLLITE WITH OCC TO 1 FT DARK COLORED QUARTZITE INTERBEDS.
			75°													
	238															

090950

DDH: E4 DIP: 10+00 E COORDINATES: 510+00E 4100S HOO JOINT VENTURE DATE: Aug 73

Graphic Log	Interval	Rock Name	Bedding Dip	FRC Density	Color	Texture	Structure	Py	MG	BI	MS	Graphite	HE	CL			ZnS PbS	Mode of occurrence	Leaching	Remarks
	42 – 50	CBCL Phyllite		M		Fine-med grn	broken sup.	2	N	N	L	N	N	9			N		M	M sup alt. by broken, L staining ove. mix of LSTN, QZTE, Phyllite 1 pebble black chert.
	56.0 – 60	CBCL Phyllite / Phyllitic QZTE		H		Fine grn	phyllitic	5	N	N	L	N	N	7			N		H	Prob Faults in interval by indistinguishable from sup.
	70	Phyllitic QZTE	32	H	5GY 4/1	Fine grn	Phyllitic	5	N	N	F	N	N	7			N		M	Prob faults indistinguishable from sup. alt.
	85	Phyllitic QZTE		H	5GY 4/1	fine grn	phyllitic micaceous	3	N	N	F	N	N	6			N		N	72.5 Bedding FLT - M Secondary lineations crenulations drag. folds typify
	90	Phyllitic QZTE	38	F		course grn some grit	phyllitic partings	2	N	N	6	N	N	5			SL-1 GL-0	DB > DV	F	TRN from fine grain Chloritic phyllite to courser partings of MS Variety SL occurs in latter - First appearance GL at 88.2 Secondary lineations and drag folds developed 88.0 FLT (prob) 0.2 M 45°∢? G, BKN
	100	Phyllitic QZTE	40°		5GY 7/2	course grn	phyllitic partings	2	N	N	7	N	N	2			SL-3 GL-0		F	Sup attack - sulfides fresh. Rx - rotten SL in bands D 88.2 - 91' Minor Py assoc 92 - 97.2 TRACE CP assoc SL
	110	Phyllitic QZTE	45	L	10GY 5/2	fine grn	phyllitic	3	N	N	4	N	N	7			GL 0 SL N	B	Sup F	FLT 110. 71' 60°∢ bedding G-F, BKN chloritic 107. bands GL 2 mm replacement CL parting? interval CL > MS

DDH: E4 DIP: 90 COORDINATES: 10400E 9100S HOO JOINT VENTURE DATE: [illegible]

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC	DENSITY	COLOR	TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	CL			ZnS PbS	MODE OF OCCURRENCE	LEACHED	REMARKS
	120	Phyllitic QZTE	55	L			course grn med thick lam	phyllitic partings	2	N	N	7	N	N	6			SL-0	D	L	CL, MS mixed 120.0 FLT bedding M- 1.0' BKN G-F SL tends to occur in clean grey QZ bands @ shallow CB recrys QZ?
	130	Phyllitic QZTE	50°	L			grain thin [illegible] LAM	Phyllitic Parting	[illegible]	N	N	7	N	N	5			SL 0	DB	M	Sup assoc w structure = rotten Rx CY, crumble
	140	Phyllitic QZTE	50°	F			course grn thick lam	phyllitic parting	4	N	N	7	N	N	5			SL-3		F	SL > GL occur in FRC QZ replacement zones Py is assoc. also minor D SL.
	150	Phyllitic QZTE	15°	F		10GY 5/2	thin lam Fine grn	phyllitic	4	N	N	5	N	N	8			N		F	142.2 FLT 10° opp Flt bedding G-F BKN CY contorted dragfolded below. FLT 140 plus bedding at 50° Rx change to CL variety below is shallow dip angle prob another FLT direction here as well - maybe repeat of 130' area
	160	Phyllitic QZTE	20°	F		10GY 5/2	fine grn thin lam	phyllitic	4	N	N	5	N	N	8			N		M	153.5 FLT bedding S 0.9' G BKN Sup-H 25° dip. 152.6 1.2' mass SL in recrystallized QZ remnants of mica remain - irregular D SL in bands above. sulfides unleached but Rock is rotten.
	170	Phyllitic QZTE	15	F			fine grn thin lam	phyllitic 2nd lineation - F	4	N	N	7	N	N	7			SL 0 GL 0		M	160 FLT 0.2 - L bedding 25° dip G-F 161.8 FLT-M bedding 0.6' G-M QZ V 162.6-167.3 MS variety carries D SL GL in FRC and recrys QZ 165.6 FLT bedding 0.1-W G, CY Sup. - yields rotten Rx sulfides Fresh.
QZV	180	Phyllitic QZTE	30	F		5GY 4/1	fine grn thin lam lam-F	phyllitic	3	N	N	7	N	N	7			N		F	177. - 7.0 QZ Vein replacement has minor CL masses. Show weak signs of shearing. Lesser sup alt.

MS CL

DDH: E4 DIP: 90 COORDINATES: HOO JOINT VENTURE DATE: Aug 23

Graphic Log	Interval	Rock Name	Bedding Dip	FRC Density	Color	Texture	Structure	PY	MG	BI	MS	Graphite	HE	CL			ZnS PbS	Mode of occurrence	Leached	Remarks
	190	Phyllitic QZTE		M	5GY 6/1	Fine grn compact		3	N	N	8	N	F	6			N			137 1.4' FLT bedding? M G-M cy Sand CB-F
	200	Phyllitic QZTE		M		Fine grn	Phyllitic QZ veiny -F	4	N	N	7	N	L	7			SL / GL D	DB > D	M	193.0 3.5 FLT -M bedding numerous slippage planes, contorted, Sand G-M interlaminated MS rich and CL rich beds SL occurs w MS variety
	210	Phyllitic QZTE	15	M	5GY 6/1	fine grn	Phyllitic parting -F		N	N	7	N	L	7			SL / GL D	DB > D		204 1.0 bedding FLT G-F BKN D sericitic in upper 50' Clean sand bands carry D. SL and GL here Trace D&L in chloritic R. secondary lineation ~L.
	220	Phyllitic QZTE	13	M		Fine grn	Phyllitic	3	N	N	7	N	N	7			N		M	215 2.5' graphitic chloritic porphyroblastic Py <7mm 216.0 0.6' FLT graphitic LSTN horizon dappling dip 220. 1.6' FLT bedding - w minG cy sand QZ veinlet replacement.
	230	Phyllitic QZTE	30	H	5GY 6/1	fine grn	Phyllitic sheared	3	N	N	7	N	L	7			N		H	224 FLT 30° bedding sheared 3.0' w G Sand and cy. Smashed up above as well. sup on shear and FLT yields cy and rotten R.
	240	Phyllitic QZTN		H		Fine grn	phyllitic sheared	3	N	N	6	N	N	8			N		H	234-238 - sheared
	250	Phyllitic QZTE	20	M		Fine grn	Phyllitic	2	N	N	7	N	N	7						239.5-242 sheared - G cy sand 249.5 bedding FLT G-M BKN

DDH: DDH E4 DIP: 90 COORDINATES: HOO. JOINT VENTURE DATE: Aug 73

GRAPHIC LOG	INTERVAL	ROCK NAME	BEDDING DIP	FRC DENSITY	COLOR		TEXTURE	STRUCTURE	PY	MG	BI	MS	GRAPHITE	HE	CL			ZnS PbS	mode of occurrence		REMARKS
	257.5	Phyllitic QZTE	20	F	5GY	6/1	Fine grn LAM-M	phyllitic	2	N	N	5	N	N	7			N			c8-M 257.5 END of hole

Schedule I
Ho-Ho Mineral Claims
105-G-12
Assessment - Road Construction

09095

Claim Name	Grant No.	Ft. Length	Ft. Width	Ft. Depth	Ft^3 Volume	Yd^3 Volume	Yd^3 Credit	Total Credit	Location
Ho-Ho 5	Y64638	550	15	2	16,500	611.11	2.00	1222.22	Airstrip
6	Y64639	2000	15	2	60,000	2222.22	2.00	4444.44	Airstrip
7	Y64640	2450	15	2	73,500	2722.22	2.00	5444.44	Airstrip
8	Y64641	850	15	2	25,500	944.44	2.00	1888.88	Airstrip
18	Y64642	1550	15	1	23,250	861.11	2.00	1722.22	A Zone
20	Y64653	1250	15	1	18,750	694.44	2.00	1388.88	A Zone
		150	15	1	2,250	83.33	2.00	166.66	Camp
22	Y64655	1250	15	1	18,750	694.44	2.00	1388.88	Airstrip
		300	15	1	4,500	166.66	2.00	333.33	Camp
23	Y64656	1700	15	2	51,000	1888.88	2.00	3777.77	Airstrip
24	Y64657	550	15	2	16,500	611.11		1222.22	Airstrip
		1500	15	1	22,500	833.33	2.00	1666.66	D Zone
25	Y64658	1550	15	1	23,250	861.11	2.00	1722.22	D Zone
27	Y64660	1550	15	1	23,250	861.11	2.00	1722.22	D Zone
29	Y64662	950	15	1	14,250	527.77	2.00	1055.55	D Zone
30	Y64663	700	15	1	10,500	388.88	2.00	777.77	D Zone
32	Y64665	1650	15	1	24,750	916.66	2.00	1833.33	D Zone
		450	15	1	6,750	250.00	2.00	500.00	E Zone

Claim Name	Grant No.	Ft. Length	Ft. Width	Ft. Depth	Ft^3 Volume	Yd^3 Volume	Yd^3 Credit	Total Credit	Location
Ho-Ho 33	Y64735	200	15	1	3,000	111.11	2.00	222.22	A Zone
34	Y64736	1800	18	2	64,800	2400.00	2.00	4800.00	B Zone
35	Y64737	650	18	2	23,400	866.66	2.00	1733.33	B Zone
		500	15	1	7,500	277.77	2.00	555.55	A Zone
		300	15	1	4,500	166.66	2.00	333.33	A Zone
36	Y64738	850	18	2	47,600	1762.96	2.00	3525.92	B Zone
37	Y64739	2050	15	1	30,750	1138.88	2.00	2277.77	Airstrip
		1850	18	2	66,600	2466.66	2.00	4933.33	B Zone
		300	15	1	4,500	166.66	2.00	333.33	A Zone
61	Y64793	1650	15	1	24,750	916.66	2.00	1833.33	D Zone
67	Y64799	450	15	1	6,750	250.00	2.00	500.00	E Zone
68	Y64800	1000	15	1	15,000	555.55	2.00	1111.10	E Zone
		850	15	1	12,750	472.22	2.00	944.44	D Zone
69	Y64801	1950	15	1	29,250	1083.33	2.00	2166.66	E Zone
71	Y64803	550	15	1	8,250	305.55	2.00	611.11	E Zone
83	Y64815	1500	18	2	54,000	2000.00	2.00	4000.00	D Zone
92	Y64824	450	18	2	16,200	600.00	2.00	1200.00	D Zone
207	Y70386	950	15	2	28,500	1055.55	2.00	2111.11	Airstrip
208	Y70387	1450	15	2	43,500	1611.11	2.00	3222.22	Airstrip
209	Y70388	1300	15	2	39,000	1444.44	2.00	2888.88	Airstrip

Schedule II
Ho-Ho Mineral Claims
105-G-12

Trench No.	Claim Name	Grant No.	Length	Width	Assessment-Trenching Depth	Ft^3 Volume	Yd^3 Volume	Yd^3 Credit	Total Credit
A1	Ho-Ho 33	Y64735	490	12	8	47,040	1,742.22	2.00	3,484.44
A2 N	33	Y64735	460	12	8	44,160	1,635.55	2.00	3,271.11
S	33	Y64735	310	12	5	18,600	688.88	2.00	1,377.77
A3	18	Y64651	150	12	7	12,600	466.66	2.00	933.33
A4 N	33	Y64735	200	12	7	16,800	622.22	2.00	1,244.44
	18	Y64651	50	12	7	4,200	155.55	2.00	311.11
S	18	Y64651	380	12	5	22,800	844.44	2.00	1,688.88
A5	33	Y64735	200	12	12	28,800	1,066.66	2.00	2,133.33
	20	Y64653	300	12	12	43,200	1,600.00	2.00	3,200.00
A6	20	Y64653	170	12	10	20,400	755.55	2.00	1,511.11
A7 N	35	Y64737	80	12	4	3,840	142.22	2.00	284.44
S	20	Y64653	60	12	4	2,880	106.66	2.00	213.33
	35	Y64739	100	12	4	4,800	177.77	2.00	355.55
A8N	18	Y64651	280	12	4	13,440	497.77	2.00	995.55
S	18	Y64651	200	12	8	19,200	711.11	2.00	1,422.22
A9	48	Y64759	125	12	4	6,000	222.22	2.00	444.44
	76	Y64808	250	12	4	12,000	444.44	2.00	888.88
A10	20	Y64653	90	12	9	9,720	360.00	2.00	720.00
B1	34	Y64736	190	12	7	15,960	591.11	2.00	1,182.22
B2	36	Y64738	190	12	1	2,280	84.44	2.00	168.88
	36	Y64738	200	12	10	24,000	888.88	2.00	1,777.77
B3	36	Y64738	260	12	7	21,840	808.88	2.00	1,617.77

Trench No.	Claim Name	Grant No.	Length	Width	Assessment-Trenching Depth	Ft^3 Volume	Yd^3 Volume	Yd^3 Credit	Total Credit
C1	Ho-Ho 42	Y64753	50	12	10	6,000	222.22	2.00	444.44
D1	30	Y64663	200	12	4	9,600	355.55	2.00	711.11
D2	32	Y64665	200	12	5	12,000	444.44	2.00	888.88
Upper E1	70	Y64802	100	12	3	3,600	133.33	2.00	266.66
E2	70	Y64802	100	12	3	3,600	133.33	2.00	266.66
Lower E1	69	Y64801	180	12	4	8,640	320.00	2.00	640.00
E2	69	Y64801	105	12	4	5,040	186.66	2.00	373.32
	71	Y64803	105	12	4	5,040	186.66	2.00	373.32
E3	71	Y64803	140	12	5	8,400	311.11	2.00	622.22
E4	71	Y64803	40	12	3	1,400	53.33	2.00	106.66
Camp	20	Y64653	75	60	50	22,500	833.33	2.00	1,666.66
Fuel Cache	37	Y64739	90	75	30	22,250	750.00	2.00	1,500.00
Garbage Pit	20	Y64653	70	25	4	7,000	259.25	2.00	518.52

Schedule III
Ho-Ho Mineral Claims
105G-12
Assessment - Drill Holes

Hole No.	Claim No.	Grant No.	Depth	Ft. Credit	Total Credit
A1	Ho-Ho 18	Y64651	392	9.00	3,528.00
2	Ho-Ho 35	Y64737	400	9.00	3,600.00
3	Ho-Ho 18	Y64651	285	9.00	2,565.00
D1	Ho-Ho 30	Y64663	308	9.00	2,772.00
E1	Ho-Ho 69	Y64801	342	9.00	3,078.00
2	Ho-Ho 71	Y64803	278	9.00	2,502.00
3.	Ho-Ho 69	Y64801	238	9.00	2,142.00
4	Ho-Ho 69	Y64801	257.5	9.00	2,317.50

All holes were cored BQ. Core is stored at the campsite on Sanders Creek.

090950

Schedule IV
Ho-Ho Mineral Claims
105-G-12
Assessment - By Claim

Claim Name	Grant No.	Type	Amount
Ho-Ho 5	Y64638	Road Construction	$1,222.22
6	Y64639	Road Construction	4,444.44
7	Y64640	Road Construction	5,444.44
8	Y64641	Road Construction	1,888.88
18	Y64642	Road Construction	1,722.22
		Trenching	933.33
			311.11
			1,688.88
			955.55
			1,422.22
		Drilling	3,528.00
			2,565.00
			13,126.31
20	Y64653	Road Construction	1,388.88
			166.66
		Trenching	3,200.00
			1,511.11
			213.33
			720.00
			1,666.66
			518.52
			9,385.16
22	Y64655	Road Construction	1,388.88
			333.33
			1,722.21
23	Y64656	Road Construction	3,777.77
24	Y64657	Road Construction	1,222.22
			1,666.66
			2,888.88
25	Y64658	Road Construction	1,722.22
27	Y64660	Road Construction	1,722.22
29	Y64662	Road Construction	1,055.55

090950

Claim Name	Grant No.	Type	Amount
Ho-Ho 30	Y64663	Road Construction	$ 777.77
		Trenching	711.11
		Drilling	2,772.00
			4,260.88
32	Y64665	Road Construction	1,833.33
			500.00
		Trenching	888.88
			3,222.21
33	Y64735	Road Construction	222.22
		Trenching	3,484.44
			3,271.11
			1,377.77
			1,244.44
			2,133.33
			11,733.31
34	Y64736	Road Construction	4,800.00
		Trenching	1,182.22
			5,982.22
35	Y64737	Road Construction	1,733.33
			555.55
			333.33
		Trenching	284.44
			355.55
		Drilling	3,600.00
			6,862.20
36	Y34738	Road Construction	3,525.92
		Trenching	168.88
			1,777.77
			1,617.77
			7,090.34
37	Y64739	Road Construction	2,277.77
			4,933.33
			333.33
		Trenching	1,500.00
			9,044.43
42	Y64753	Trenching	444.44
48	Y64759	Trenching	444.44
61	Y64793	Road Construction	1,833.33
67	Y64799	Road Construction	500.00

Claim Name	Grant No.	Type	Amount
Ho-Ho 68	Y64800	Road Construction	$1,111.10
			944.44
			2,055.54
69	Y64801	Road Construction	2,166.66
		Trenching	640.00
			373.33
		Drilling	3,078.00
			2,142.00
			2,317.50
			$10,717.49
70	Y64802	Trenching	266.66
			266.66
			533.32
71	Y64808	Road Construction	611.11
		Trenching	373.33
			622.22
			106.66
		Drilling	2,502.00
			4,215.32
76	Y64808	Trenching	888.88
83	Y64815	Road Construction	4,000.00
92	Y64824	Road Construction	1,200.00
207	Y70386	Road Construction	2,111.11
208	Y70387	Road Construction	3,222.22
209	Y70388	Road Construction	2,888.88

HO HO 88 | HO HO 86 | HO HO 84 | HO HO 91

4000W | 0+00 BASELINE 'D'

HO HO 87 | HO HO 85 | HO HO 83 | HO HO 92

WATER TABLE

HO HO 66 | HO HO 64 | HO HO 62 | HO HO 60 | HO HO 58 | HO HO 44 | HO HO 42 C1 'C' ZONE | HO HO 40 | HO HO 38 | HO HO 36 B2 | B1 | 'B' ZONE | HO HO 34 B3 | HO HO 75

BASELINE 'C' 15,600W | 10,975W | 7850W | 3800W | 0+00 BASELINE 'C'

HO HO 65 | HO HO 63 | HO HO 61 | HO HO 59 | HO HO 57 | HO HO 43 | HO HO 41 | HO HO 39 | HO HO 37 | HO HO 35 DDH A2 | HO HO 33 | HO HO 76

TIELINE | TIELINE | TIELINE | TIELINE

A2 | A1 | A7 | A6 | A5 | A4 | DDH A1 | A9 | BASELINE 'A' | Fuel Cache | CAMP | Garbage Pit | A10 | A3 | A8 | DDH A3

HO HO 72 | HO HO 70 | E1 E2 UPPER 'E' ZONE | HO HO 68 | HO HO 272F | HO HO 271F | HO HO 270F | HO HO 22 | HO HO 20 | 'A' ZONE | HO HO 48

HO HO 32 | D2 DDH D1 'D' ZONE | HO HO 30 | HO HO 28 | HO HO 26 | HO HO 24 | HO HO 18

BASELINE 'B' 15,950W | 3850W | 0+00 BASELINE 'B'

DDH E2 | DDH E3 | E4 | E3 | DDH E1 | E2 | DDH E4 | E1 | LOWER 'E' ZONE

11,200W | 8000W

HO HO 71 | HO HO 69 | HO HO 67 | HO HO 31 | HO HO 29 | HO HO 27 | HO HO 25 | HO HO 23 | HO HO 21 | HO HO 19 | HO HO 17

HO HO 16 | HO HO 14 | HO HO 12 | HO HO 10 | HO HO 8 | HO HO 6 | HO HO 4 | HO HO 2

HO HO 15 | HO HO 13 | HO HO 11 | HO HO 9 | HO HO 7 | HO HO 5 | HO HO 3 | HO HO 1

HO HO 210 | HO HO 208 | HO HO 206

HO HO 209 | HO HO 207 | HO HO 205

AIRSTRIP

LEGEND

- Drill collar (all holes drilled vertical)
- Trench
- Road

ARCHER, CATHRO & ASSOCIATES LTD.

LOCATION ROAD, TRENCHES DRILL HOLES & HO HO CLAIMS

HOO JOINT VENTURE

090.950

SCALE IN FEET

500 0 500 1000 1500

HO HO 88 | HO HO 86 | HO HO 84 | HO HO 91

4000W — 0+00 BASELINE 'D'

HO HO 87 | HO HO 85 | HO HO 83 | HO HO 92

HO HO 66 | HO HO 64 | HO HO 62 | HO HO 60 | HO HO 58 | HO HO 44 | HO HO 42 C1 'C' ZONE | HO HO 40 | HO HO 38 | HO HO 36 B2 'B' ZONE | HO HO 34 B3 | HO HO 75

B1

BASELINE 'C' 15,600W — 10,975W — 7850W — 3800W — 0+00 BASELINE 'C'

HO HO 65 | HO HO 63 | HO HO 61 | HO HO 59 | HO HO 57 | HO HO 43 | HO HO 41 | HO HO 39 | HO HO 37 | HO HO 35 DDH A2 | HO HO 33 | HO HO 76

TIELINE — TIELINE — TIELINE

A2 A1 A7 A6 A5 A4 DDH A1 A9 BASELINE 'R' A3 A8 DDH A3

Fuel Cache — Garbage Pit — CAMP — A10

HO HO 272F | HO HO 271F | HO HO 270F

HO HO 72 | HO HO 70 E1 E2 UPPER 'E' ZONE | HO HO 68 | HO HO 32 | D2 DDH D1 'b' ZONE | HO HO 30 | HO HO 28 | HO HO 26 | HO HO 24 | HO HO 22 | HO HO 20 'A' ZONE | HO 48

HO HO 18

BASELINE 'B' 15,950W — 3850W — 0+00 BASELINE 'B'

DDH E2 — DDH E3 — DDH E1 — DDH E4 — E4 E3 E2 E1

11,200W — 8000W

HO HO 71 | LOWER 'E' ZONE | HO HO 69 | HO HO 67 | HO HO 31 | HO HO 29 | HO HO 27 | HO HO 25 | HO HO 23 | HO HO 21 | HO HO 19 | HO HO 17

HO HO 16 | HO HO 14 | HO HO 12 | HO HO 10 | HO HO 8 | HO HO 6 | HO HO 4 | HO HO 2

HO HO 15 | HO HO 13 | HO HO 11 | HO HO 9 | HO HO 7 | HO HO 5 | HO HO 3 | HO HO 1

HO HO 210 | HO HO 208 | HO HO 206

HO HO 209 | HO HO 207 | HO HO 205

AIRSTRIP

LEGEND

- Drill collar (all holes drilled vertical)
- Trench
- Road

ARCHER, CATHRO & ASSOCIATES LTD.

LOCATION ROAD, TRENCHES
DRILL HOLES & HO HO CLAIMS
HOO JOINT VENTURE

SCALE IN FEET

500 0 500 1000 1500

090950