

ANVIL RANGE MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: SEPT. 9/96

Hole Number: 96MM-01 (77MM-03 PAD) Reference Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: MMJJ

014925

UTM Co-ords.: ~22,365,460 N

~405,520 E

Ground Elevation (UTM datum): _____

Height of casing above ground: 12" - 18"

Drill hole zero depth: _____

Local Co-ords: _____ N

_____ E

Ground Elevation (local datum): 5780 feet

All symmetry determinations

Exploration/Cut line

Grid Co-ords.: _____

looking _____ with RFE = _____

Total Depth: 1628'

dipping -55° with dip azimuth 276°

Inclination: -65° dip 060° azimuth (UTM)

Purpose: TO FURTHER EXPLORE EXTENT OF SULPHIDE ORE BODIES.

Reason hole

Terminated: HADN'T REACHED TRACHYTE STOCK, BIT WAS FINISHED

Logged by: D. MATTILA

Date(s) logged: _____

Drilling

Contractor: ADVANCED DRILLING

Size	CORE	
	From	To
N/A	14'	1628'
_____	_____	_____
_____	_____	_____

Hole From: _____

Cemented: (Y/N) N To: _____

Steel down hole: (Y/N) Amount: 14 FT.

Collar Cased and Capped: (Y/N) N

Core Assayed: (Y/N) N

Assay Lab: N.A.L. - WHITEHORSE

Certificate #'s: _____

DDH Started: Aug 26 1996

DDH Completed: Sept. 2 1996

WELL 96MM-01

DEPTH 1628 FT

PICTURE No. 1

INCLINATION -65 -69

OBS. DIR. 060°

COR. DIR. ? 068°

TOOL FACE

RUN BY D. MATTILA

DATE SEPT 3 1966

CHECKED BY D. MATTILA

bottom of hole #1

SPERRY-SUN



ANVIL RANGE MINING CORPORATION

DDH 96MM-01

ASSAY LOG

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Date Sept. 3/96

Logged by D. MATTILA

Sample #	From	To	Length	Rec%	Unit	Comments
✓ 96MM-01-01	721'	723'	.6m (23.5')	100	Mps	banded mineralization - Cu, PYR #128559
✓ 96MM-01-02	734'	737'	.97m (38")	100	Mps	" " " " #128560
✓ 96MM-01-03	741.5'	743.5'	.6m (24")	100	Mps	" " " " #128561
✓ 96MM-01-04	699.0'	702'	(3')	100%	Mps	Dis. " " " " #128562
✓ 96MM-01-05	679.5'	682'	(2.5')	100%	Mps	" " " " #128563
✓ 96MM-01-06	719.0'	721.5'	(2.5')	100%	Mps	" " " " #128564
✓ 96MM-01-07	749.0'	752.0'	(3')	100%	Mps	" " " " #128565
✓ 96MM-01-08	752.0'	754.0'	(2')	100%	Mps	assay card #128566
✓ 96MM-01-09	757'	760'	(3')	100%	Mbs	" " #128567
✓ 96MM-01-10	762'	765'	(3')	100%	Mbs	" " #128568
✓ 96MM-01-12	765'	767.5'	(3')	100%	Mbs	" " #128569
✓ 96MM-01-13	767.5'	768.5'	(3')	100%	Mbs	" " #128570
✓ 96MM-01-14	768.5'	771.5'	(3')	100%	Mbs	" " #128571
✓ 96MM-01-15	771.5'	774'	(2.5')	100%	Mbs	" " #128572
✓ 96MM-01-16	782'	785'	(3')	100%	Mbs	" " #128573
✓ 96MM-01-17	787'	789'	(2')	100%	Mbs	" " #128574
✓ 96MM-01-18	797'	799'	(2')	100%	Mbs	" " #128575
✓ 96MM-01-19	837'	839.5'	(2.5')	"	"	" " #128626
✓ 96MM-01-20	839.5'	842'	(2.5')	"	"	" " #128627
✓ 96MM-01-21	842'	844'	(2')	"	"	" " #128628
✓ 96MM-01-22	846'	849'	(3')	"	"	" " #128629
✓ 96MM-01-23	849'	851.5'	(2.5')	"	"	" " #128630
✓ 96MM-01-24	851.5'	854.5'	(3')	"	"	" " #128631
✓ 96MM-01-25	859.5'	862.5'	(3')	"	"	" " #128632
✓ 96MM-01-26	863.5'	866'	(2.5')	"	"	" " #128633
✓ 96MM-01-27	870'	873'	(3')	"	"	" " #128634
✓ 96MM-01-28	874.5'	877'	(2.5')	"	"	" " #128635
✓ 96MM-01-29	877'	879.5'	(2.5')	"	"	" " #128636
✓ 96MM-01-40	880'	883'	(3')	"	"	" " #128637
✓ 96MM-01-41	884'	887'	(3')	"	"	" " #128638
✓ 96MM-01-42	894'	897'	(3')	"	"	" " #128639
✓ 96MM-01-43	901'	904'	(3')	"	"	" " #128640
✓ 96MM-01-44	911'	914'	(3')	"	"	" " #128641
✓ 96MM-01-45	922'	925'	(3')	"	"	" " #128642
✓ 96MM-01-46	933'	936'	(3')	"	"	" " #128643
✓ 96MM-01-47	940'	943'	(3')	"	"	" " #128644
✓ 96MM-01-48	944'	947'	(3')	"	"	" " #128645
✓ 96MM-01-49	947.5'	950.5'	(3')	"	"	" " #128646
✓ 96MM-01-50	957'	960'	(3')	"	"	" " #128647
✓ 96MM-01-51	969'	971.5'	(2.5')	"	"	" " #128648

NOTE: AN ERROR WAS MADE IN THE SAMPLE NUMBERS ABOVE. 96MM-01-11 AND 96MM-01-30 → 96MM-01-39 DO NOT EXIST. THEREFORE, THERE ARE 40 SAMPLES LISTED ABOVE, NOT 51.

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

 DDH # MM96-0101

 Units: Feet / Metres

 Date: SEPT. 3/96

 Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
407'	411'	4	CPauls		ULTRAMAFIC - SERPENTINIZED DUNITE - SAME AS ABOVE
411'	476.5'	5	CTRes		VARIABLY GRAPHITIC CALC-SILICATE SCHIST - light → med. gray - micaceous - sporadic presence of minimal graphite along foliation planes - moderate qtz. veining and lensing. - minor brecciation (sporadic over intervals of 10-20 cm.) between 437' and 468' - presence of PYR (<1%) - found disseminated and in small nodules (<2 mm. and less). QTZ clasts - sub ang → ang. up to 3 cm. - minimal calcite veining in some fracture zones
476.5'	680'	6	Mps+Muz1		GARNETIFEROUS PELITIC SCHIST - med to dark gray - micaceous - presence of chlorite and muscovite interbedded. - disseminated garnet (~1-6 mm) from top to bottom of zone (2-5%). Average 1-2 mm in diameter - numerous qtz veins (up to ~12 mm width). Larger qtz unit located between 671'-672.5' - minimal calcite veining - ~1% PYR disseminated throughout w/ occasional bands ~2 mm thick - more banded pyritic layers found from 680' - 747' - some visible amts of galena (<1%) are in these bands. - slightly graphitic

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

elevation: 5780 feet

DDH # MM96-01-01

Units: Feet / Metres

Date: AUG. 31

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
10'	14'				CASING - OVERBURDEN
14'	260'	1	SDA		ASKIN QUARTZITE, DOLOMITE, LIMESTONE - DOLOMITE - limy, lt → med gray → dark gray. - former bedding planes are distinctly visible as a result of darker (former limestone) interbeds, slightly graphitic. - presence of calcite in several fracture planes. - minor disseminated PYR (<1%) between 90' and 103' - Fe oxide coating on fracture margins in this area. - limy area terminates in regular dolomite @ ~182' - dolomite end of zone is gradual @ 211' - possible quartzite stringers visible @ random.
260'	303'	2	CPaub		ULTRAMAFIC - SERPENITIZED DUNITE - dark gray, schistose - highly sheared and fractured - trace presence of pyrite - close examination reveals characteristic presence of dunite - quartzite (?) and chlorite in mass units present.
303'	407'	3	CTrcs		CALC-SILICATE SCHIST - light to med. gray - micaceous, phyllic - moderately fractured - Fe oxide coating on margins of fractures from 338'-407' - a few small dunite stringers (<12mm) visible up to 314' - minor calcite veining throughout - 1-2% disseminated pyrite

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-01-01

Units: Feet / Metres

Date: SEPT. 5/96

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From	To	No.	Unit	Modifiers	Description
680'	837'	7	Mva ₁		<p>MUSCOVITE CHLORITE QUARTZ SCHIST (?) WITH BANDED SULPHIDES - ZONE 1</p> <ul style="list-style-type: none"> - fine grained, med → dark gray - qtz lenses (eye shaped and irregularly shaped) up to 60mm in places - PYR (3-4%) disseminated throughout with smaller bands approx 1mm up to 5mm across - sections of qtz visible appear as a mottled feature. - some bands of pyrite appear oxidized and are reddish / brown in color - in old fractured areas and F₂ foliation. - slightly graphitic - traces of banded sphalerite @ 766.5, 761.5, 782.5, and at random (TR) around qtz. - traces of disseminated galena - more so in upper half of zone - minor calcite veining - lower half of zone - mineralization appears to dissipate to trace amounts @ 803' - banded pyrrhotite @ 759 and 763 (~1%) <p><u>NOTE!</u> FROM 803' - 837', the rock type is the same, however, only very trace amounts of PYR and pyrrhotite are seen.</p>
803'					
803'					
837'	976'	8	Mva ₁		<p>MUSCOVITE CHLORITE QUARTZ SCHIST WITH BANDED SULPHIDES - ZONE 2</p> <ul style="list-style-type: none"> - fine grained, med → dark gray - qtz lenses (eye shaped and irregularly shaped) up to 90mm with the majority of them 30-40mm. Some qtz sections appear mottled. - minor calcite veining - PYR (2-3%) disseminated throughout, with smaller bands at random locations as 846.5, 852.5 - PØ (~1%) disseminated, with PYR in some random bands eg @ 837' - traces of banded sphalerite (~1%) @ 837'. trace of galena - slightly graphitic - minor qtz veining

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

 DDH # 96MM-01

 Units: Feet / Metres

 Date: Sept 6/96

 Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
					<ul style="list-style-type: none"> - Sphalerite lessens to trace amounts after 957' - no longer found in bands. - Pyrrhotite and PYR (disseminated) - 1-2% for duration of zone to 976' - Possible Actinolite and epidote (trace amounts) at 966.5' - large QTZ vein (~25cm.) at 914' - all bands of mineralization seems to follow bedding (SO) planes.
976'	1025.5'	9	My		<p style="text-align: center;">RHYOCLITE/TRACHYTE (SILICEOUS ASH OR CHERT?)</p> <ul style="list-style-type: none"> - light to med. gray. - possible tuff (?) stringer from 989'-990' - few large qtz veins (up to 7.5cm, average 2-3cm.) with trace amts of Pyrr, PYR, Sphalerite - minor schistose layers (1-2cm.) at random locations. - unit appears to show flow bedding similar to schist zones.
1025.5'	1140'	10	Mua1		<p style="text-align: center;">QUARTZOSE BIOTITE CHLORITE SCHIST - ZONE 3(?)</p> <ul style="list-style-type: none"> - LIGHT to med. gray to green. Numerous sphalerite bands (1-2mm) - 1025.5' - 1036' - unit appears with interbedded chloritic and biotitic layers - numerous qtz veins found (1-2.5cm.) - most mineralization associated with these areas - PYRRHOTITE (~1%), Sphalerite (~1%), PYR (1%). - traces of epidote around areas (~1.0-1.5cm.) like 1064' and 1085' - small massive areas of Pyrrhotite and Sphalerite @ 1057.5' and 1060.5' (2-3% for each), also 1069.5' ← semi massive - smaller qtz nodules visible after 1057' with mineralization associated Pyrr (<1% diss.) Sphalerite (<1% diss.) - siliceous (cherty?) area of this zone from 1076' - 1102'

- this area contains interbedded biotite chlorite schist. - some minor qtz veins also visible, some PYR (<1%) PYRR (<1%) Sphalerite (<1%)
 - siliceous ^{area} appears moderately fractured.

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-01

Units: Feet / Metres

Date: Sept. 6/96

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From	To	No.	Unit	Modifiers	Description
					<ul style="list-style-type: none"> - another siliceous cherty area appears from 1117.5' - 1132' - contains interbeds of Qtz, biotite chlorite schist. - mineralization as in above siliceous area - highly fractured - some banded (~10-12 mm) sulphides (PYR ~1%, PYRR ~1%) appears between 1130' and 1137'
1140'	1190'	11	M _{YA}		<p>RHYOLITE/TRACHYTE (SILICEOUS ASH OR CHERT?)</p> <ul style="list-style-type: none"> - light to med. gray. - moderate to highly fractured. - moderate Qtz, veining to 1161', minor to 1190' - minor calcite veining. - all mineralization appears along old fracture - PYR (<1%) PYRR (~1%) - massive banded pyrrhotite vein appears between 1169' and 1169.5' - 5-6% PYRR, <1% PYR.
1190'	1267'	12	M _{VA}		<p>Biotite chlorite muscovite schist</p> <ul style="list-style-type: none"> - med - dark gray - green - minor qtz veining. - minimal calcite veining. - feature shows chlorite layers interbedded with biotite and muscovite. - minor qtz nodules appear deformed or flattened (most ~6 mm across) - PYRR (<1%) PYR (<1%) - both disseminated. - trace of garnet - trace of chalcopyrite @ 1243' - moderately fractured - shaly from 1254' - 1255' - fine grained massive zinc from 1256' - ~1261' (1-2%) *

M₆₅(?) →

↑
semi

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LITHOLOGIC LOG

DDH # 96MM-01

Units: Feet / Metres

Date: SEPT. 8/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
1267	1627'	13	Mva1+U	DMS	<p>CHLORITE BIOTITE SCHIST</p> <ul style="list-style-type: none"> - med to dark gray - green - minor qty veining - moderate calcite veining - 2-4% PYRRHOTITE - DISSEMINATED with most aligned along schistosity planes - appears in nodules up to 8 mm across with most 1-2 mm across or less. PYRR appears in upper third of zone. - banded pyrrhotite from 1291' - 1292', bands ranging from 2 mm - 8 mm across (~4-5% PYRR) in this area. - presence of epidote @ 1302', 1315', 1428', 1601', 1615'. - PYRR percentage count tapers off 1317' - PYRR (<1%) - Trace of pyrr around 1307'. Becomes more pyrritic after 1321' → ~1% PYR - fine grained - band of fluorite @ 1349.5 and 1400' along calcite veining. - chloritic nodules (5-8 mm average in size) appear after 1367' with most being rounded and oblong. - 1413' - 1418' - chlorite appears quite mottled. - only trace amounts of PYRR and PYR exist after 1407' - presence of PYRR + PYR increase after 1457' with both <1%. - PYR + PYRR appear mostly in fracture infill but not always the case. * - minor garnet at 1476'. - a mottled texture is visible from 1477' - 1495'. - FAULT ZONE - 1500' - 1541' - see fault sheet <ul style="list-style-type: none"> - fault from 1507' - 1525' - leached out from 1507' - 1533' - some PYR (~1%) - 1510' - 1512' - PYR concentration increases from 1-2% dips - no PYRR - trace of hematite @ 1613'. - more traces of epidote @ 1619'.

E. O. H.

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

$S_0 = \sim -55^\circ @ 276^\circ$

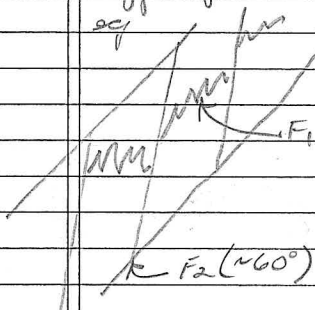
DDH # 96MM-01

UNITS: Feet / Metres

DATE: SEPT. 9/96

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FROM	TO	RFE = S ₀ = F ₂					A F ₂				B F ₁				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
✓ 14'	99'		P _S	2	55°	276°	P _S	2	55°	276°									only simple structure visible. RFE = S ₀ F ₂ = S ₀
126'	143'		P _S	2	25°	276°	P _S	2	25°	276°									
✓ 145'	151'			2	60°	276°	P _S	2	60°	276°	DD ₁	1	N/A	N/A					F ₂ structure cutting off F ₁ features. 
157'	217'		P _S		55°	276°	P _S	2	55°	276°									- simple F ₂ visible - no sign of micro structure.
217'	235'				30°	276°	P _S	2	30°	276°									RFE = S ₀ shallows.
✓ 235'	287'		P _S	2	55°	276°	P _S	2	55°	276°	DD ₁	1	N/A	N/A					MICROLITHONS (F ₁) too small to obtain studies/dips - as above diagram. - simple F ₂ structure visible - 243' - 287'

SO = ~-55° @ 276°

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

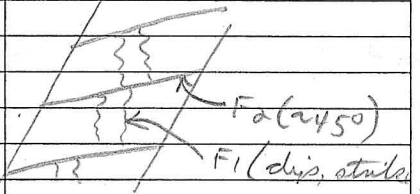
DDH # 96MM-01

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FROM	TO	RFE = SO = F ₂					A F ₂				B F ₁				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
287'	319'		PS ₂	2	30°	276°	PS ₂	2	30°	276°									RFE shallows RFE = SO = F ₂ simple F ₂ structure visible
319'	320'		PS ₂	2	45°	276°	PS ₂	2	45°	276°	DD ₁	1	N/A	N/A					F ₂ cuts off F ₁ , RFE steepens as forms diagram
339'	340'		PS ₂	2	45°	276°	PS ₂	2	45°	276°	DD ₁	1	N/A	N/A					" " RFE remains the same.
																			
355'	378'		PS ₂	2	52°	276°	PS ₂	2	52°	276°									RFE steepens, simple F ₂ structure visible
384'	391'		PS ₂	2	60°	276°	PS ₂	2	60°	276°									F ₂ steepens
391'	393'		PS ₂	2	35°	276°	PS ₂	2	35°	276°									F ₂ shallows, F ₂ visible only.

S0 = ~55° @ 276°

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

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UNITS: Feet / Metres

DATE: Sept. 3/96

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FROM	TO	RFE = S ₀ = F ₂					A F ₂				B F ₁				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
669'	670'		PS ₁	1	60°	276°													RFE changes to 60° as a result of small small fold. Returns to 55° @ 672'
679'	681'																		
679'	681'				60°	276°	PS ₂	2	60°	276°									
703'	707'																		5 small chevron folds, DIP and DIR unable to measure.
717'	722'																		
717'	742'																		general dip and dir of RFE unaffected by many micro (chevron) folds in this span. Small fold (F ₁) structures appear interbedded between bands of bedding of ~55° dip (F ₂)
✓ 750'	757'				55°	276°	PS ₂	2	55°	276°	DD ₁	1	N/A	N/A					QTZ, VEINS FOLLOW CLEAVAGE F ₁ micro folds overstepped by F ₂ fold structures Sphalerite bands (~2mm) follow S ₂ cleavage.
762'	768'				40°	276°	PS ₂	2	40°	276°									RFE DIP shallows for 6'; QTZ LENSES BETWEEN FOLIATION FLATTEN OUT. DIP returns to ~55° approx after 768'

S₀ = ~55° @ 276°

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

DDH # 96MM-01

UNITS: Feet / Metres

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FROM	TO	RFE = S ₀ = F ₂					A F ₂				B F ₁				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
801'	813'		PS ₂	=	~40°	276°	PS ₂	2	40°	276°	DD ₁	1	N/A	N/A					F ₁ MICRO FOLDS CUT OFF BY F ₂ FOLDING EVENT.
813'																			
813'	814'				~30°	276°	PS ₂	2	~30°	276°									" " " " "
838'	842'				~45°	276°	PS ₂	2	45°	276°									2nd F ₁ FOLD - DEEPER
842'	843'				~53°	276°	PS ₂	2	53°	276°									F ₂ FOLD DEEPENS AROUND F ₁ MICRO FOLD STRUCTURES
843'	845'				~45°	276°	PS ₂	2	45°	276°	DD ₁	1	N/A	N/A					F ₁ structures very deformed - hard to measure.
848'	852'		PS ₂		~75°	276°	PS ₂	2	75°	276°									F ₂ dip steepens until after 852' where it returns to 45°.
853'	867'				55°	276°	PS ₂	2	55°	276°									F ₂ dip shallows and returns to ~45° @ 855' S ₀ = S ₂
878'	877'				35°	276°	PS ₂	2	35°	276°									F ₂ dip shallows - steepens to 40° after 877'

S0 = v-55 @ 276°

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

DDH # 96MM-01

UNITS: Feet / Metres

DATE: SEPT. 8/96

LOGGED BY: D. MATTILA

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FROM	TO	RFE = S0 = F2					A F2				B F1				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
880'	889'		PS ₂		55°	276°													RFE = F2 = S0
889'	907'		PS ₂		30°	276°													
907'	967'		PS ₂	2	50°	276°	PS ₂	2	50°	276°									F2 plane cuts off F1
@	906.5'						PS ₁	1	NA	NA	PS ₁	1	?	?					F2 phase cut of F1 structures
	909.5'						PS ₁	1	NA	NA	PS ₁	1	?	?					" S0 = S2
974'	997'		PS ₂		30°	276°	PS ₂	2	30°	276°									
980'	980.5'						PS ₁	1	NA	NA	PS ₁	1	?	?					F2 cuts off F1 structures F2 cuts off F1 structures S0 = S2
997'	1008'		PS ₂	2	55°	276°													
✓ 1008'	1012'		PS ₂	2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	~25°	?					F2 changes dip (shallowers) and cuts off large F1 feature over 4'
1017	1019		PS ₂	2	30°	276°													
1017'	1018'		PS ₂	2	30°	276°	PS ₂	2	30°	276°	DD ₁	1	~25°	?					F2 dip shallows and cuts off large F1 structure over 1 foot. S0 = S2
1027'	1033'		PS ₂	2	50°	276°	PS ₂	2	50°	276°	DD ₁	1	~20°	?					F2 steepens and F1 appears to shallow - too deformed to determine azimuth on F1

SO = ~55° @ 276°

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

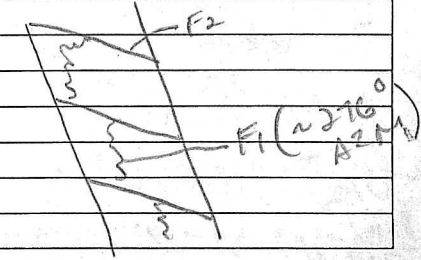
DDH # 96MM-01

UNITS: Feet / Metres DATE: Sept. 8/96

LOGGED BY: D. MATTILA

PAGE 6 OF 8

FROM	TO	RFE = S ₀ = F ₂					A F ₂				B F ₁				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
1042'	1045'			2	50°	276°	PS ₂	2	50°	276°	DD ₁	1	~70°	?					F ₁ steep - because of F ₂ ?
1047'	1107'			2	40°	276°	PS ₂	2	40°	276°									F ₂ shallows
1115'	1140'				30°	276°	PS ₂	2	30°	276°									F ₂ shallows
1140'	1166'				40°	276°	PS ₂	2	40°	276°									F ₂ steepens, simple structure, F ₂ visible only.
1166'	1189'			2	55°	276°	PS ₂	2	55°	276°									simple structure, F ₂ visible only
1189'	1191'				40°	276°	PS ₂	2	40°	276°									
1191'	1194'				40°	276°	DD ₁	1	N/A	~276°	DD ₁	1	?	~276°					F ₂ cuts off F ₁ fold structures (fine) DIP direction of F ₁ folds appears to be ~276° RFE = S ₀



ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96MM-01

Units: Feet / Metres

Date:

Logged By: DM

Page 1 of 7

FROM To	J.W.		Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
	Recovery Length %	RQD Length				Number	Comments		
14' → 17'		0 → 1						N/A	
17-20	60%	0.5							
20-25	60%	.6							
25-26	90%	.8							
26-30	80%	.4							
30-35	70%	.2							
32-37	80%	.26							
37-44	90%	.5							
44-47	95%	.8							
47-51	90%	.5							
51-57	85%	.7							
57-66	70%	.5							
66-76	85%	.4							
76-81	85%	.5							
81-86	75%	.9							
86-96	98%	.6							
96-106	90%	.6							
106-116	90%	.7							
116-127	95%	.6							
127-137	90%	.6							
137-147	98%	.9							
147-157	95%	.66							
157-167	99%	.68							
167-177	95%	.5							
177-187	100%	.6							
187-197	100%	.7							
197-207	99%	.5							
207-217	70	.45							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96 MM - 01

Units: Feet / Metres

Date:

Logged By: DM

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From - To	J.W. J.W.		Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
	Recovery Length %	RQD Length				Number	Comments		
217-227	80	.45							
227-237	98	.6							
237-247	40	.3							
247-257	75	.2							
257-267	75	.35							
267-277	65	.45							
277-287	60	.35							
287-297	70	.24							
297-307	70	.56							
307-314	90	.6							
314-317	98	.88							
317-327	95	.74							
327-337	98	.65							
337-344	50	.08							
344-347	90	.2							
347-357	100	.48							
357-367	98	.5							
367-377	98	.34							
377-384	100	.73							
384-387	90	.6							
387-393	100	.8							
393-397	100	.5							
397-402	80	.68							
403-407	50	.11							
407-417	100	.64							
417-427	98	.8							
427-437	98	.57							
437-447	85	.54							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96 mm - 01

Units: Feet / Metres

Date:

Logged By: Brund

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From - To	Recovery Length %	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
447-457	100	.6							
457-467	100	.62							
467-477	98	.51							
477-487	98	.75							
487-497	100	.62							
497-507	98	.66							
507-517	98	.61							
517-527	100	.7							
527-537	95	.75							
537-547	100	.74							
547-557	95	.6							
557-567	100	.78							
567-577	98	.67							
577-587	98	.55							
587-597	98	.76							
597-607	98	.73							
607-617	98	.72							
617-627	98	.69							
627-637	98	.76							
637-647	99	.73							
647-657	100	.75							
657-667	98	.81							
667-677	99	.84							
677-687	65	.52							
687-696	100	.64							
696-707	75	.48							
707-717	95	.63							
717-727	100	.84							
737-747	95	.75							

ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

96 mm-01

Units: Feet / Metres

Date:

Logged By: DM

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From-To	Recovery Length %	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
747-757	90	.6							
757-767	100	.758							
767-777	100	.475							
777-787	100	.783							
787-797	100	.683							
797-807	100	.641							
807-817	100	.691							
817-827	100	.558							
827-837	100	.7							
837-847	100	.63							
847-857	100	.7							
857-867	100	.675							
867-877	100	.55							
877-887	100	.6							
887-897	100	.6							
897-907	95	.75							
907-917	100	.566							
917-927	90	.45							
927-937	100	.625							
937-947	60	.233							
947-957	90	.65							
957-967	100	.641							
967-977	100	.591							
977-987	100	.71							
987-996	100	.87							
997-1007	100	.83							
1007-1017	100	.95							
1007-1027	100	.78							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96 MM - 01

Units: Feet / Metres

Date:

Logged By: DM

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From To	Recovery Length <i>J.W.</i>	RQD Length <i>J.W.</i>	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
1027-1037	100	.808							
1037-1047	100	.6							
1047-1057	100	.725							
1057-1067	100	.808							
1067-1077	100	.59							
1077-1087	85	.39							
1087-1097	100	.64							
1097-1107	100	.74							
1107-1117	100	.49							
1117-1127	100	.6							
1127-1137	100	.675							
1137-1147	100	.758							
1147-1157	100	.283							
1157-1167	100	.6							
1167-1177	100	.583							
1177-1187	100	.56							
1189-1197	100	.69							
1197-1207	100	.583							
1207-1217	100	.623							
1217-1227	100	.83							
1227-1237	100	.85							
1237-1247	100	.7							
1247-1257	100	.73							
1257-1267	100	.625							
1267-1277	100	.816							
1277-1287	100	.716							
1287-1297	100	.75							
1297-1307	100	.516							

#1

ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

96mm-01

Units: Feet / Metres

Date: 9/11/96

Logged By: D.M.

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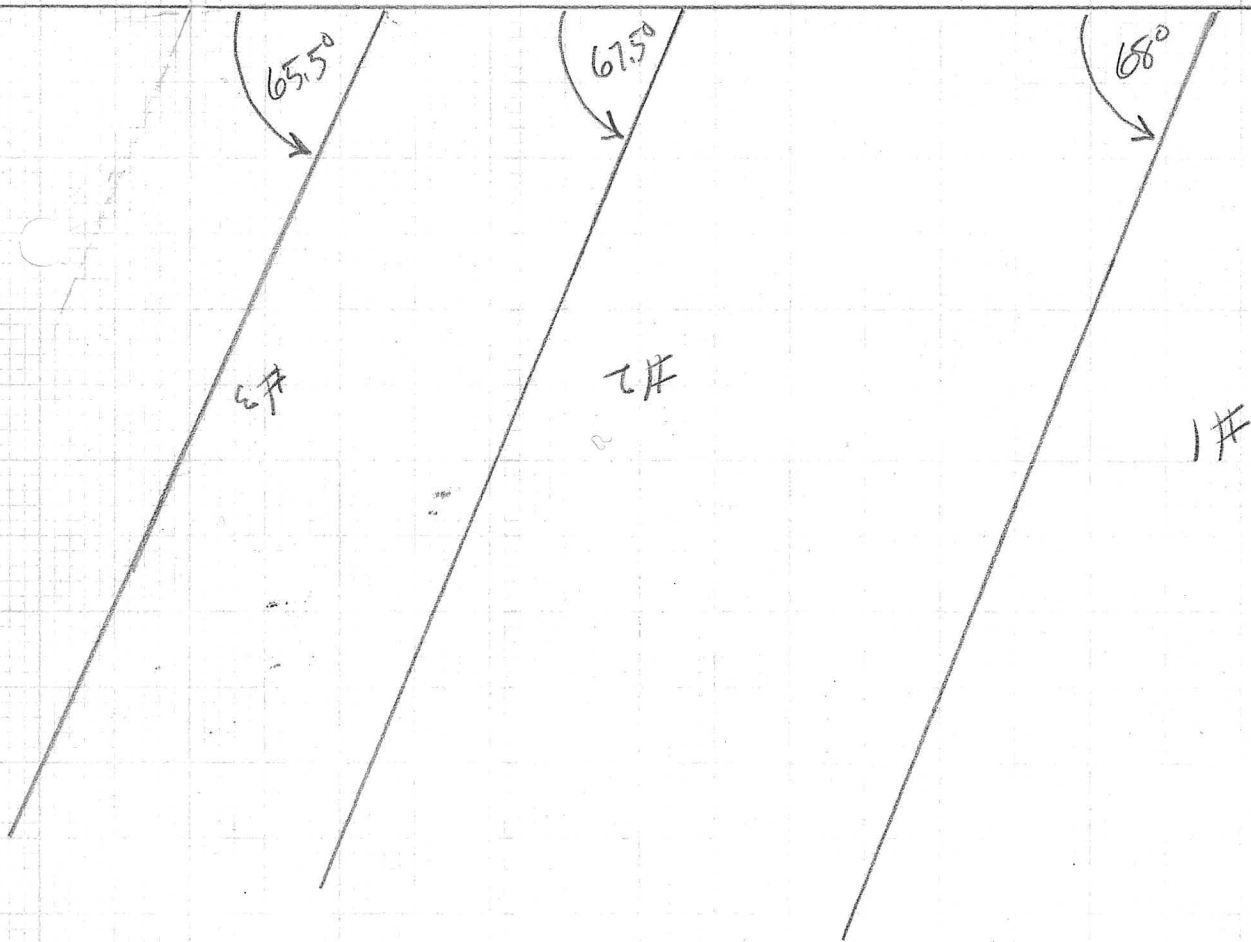
To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
1307-1317	100	.8							
1317-1327	100	.72							
1327-1337	98	.74							
1337-1347	95	.48							
1347-1357	98	.67							
1357-1367	100	.73							
1367-1377	100	.62							
1377-1387	100	.71							
1387-1397	100	.98							
1397-1407	98	.78							
1407-1417	100	.80							
1417-1427	98	.81							
1427-1437	100	.84							
1437-1447	100	.98							
1447-1457	100	.79							
1457-1467	100	.91							
1467-1477	98	.96							
1477-1487	100	.98							
1487-1497	100	.98							
1497-1507	100	.96							
1507-1517	55	.7							
1517-1527	55	.9							
1527-1537	100	.89							
1537-1547	100	.87							
1547-1557	100	.89							
1557-1567	100	.89							
1567-1577	100	.87							
1577-1587	98	.8							

Acid Test - Bottom of Hole #1

Hole #1 - 1628'

average = 67°

60° - chart measurement



ANVIL RANGE MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: Sept 16/96

Hole Number: 96MM-03

Reference Fabric Orientation Diagram:

Project: MMJS CLAIMS

Location: _____

Claim: MMJS CLAIMS

UTM Co-ords.: ~ 22,365,460 N

~ 405,520 E

Ground Elevation (UTM datum): 5780 feet.

Height of casing above ground: 12"-18"

Drill hole zero depth: _____

Local Co-ords: _____ N

_____ E

Ground Elevation (local datum): _____

All symmetry determinations

Exploration/Cut line _____

Grid Co-ords.: _____

looking SW with RFE = 50

Total Depth: 1592'

dipping -55° with dip azimuth 216°.

Inclination: 705° dip 150° azimuth (UTM)

Purpose: TO EXPLORE EXTENT OF MINERALIZATION.

Reason hole Terminated: NO FURTHER MINERALIZATION, BIT WAS FINISHED

Logged by: D. MATTILA

Date(s) logged: _____

Drilling Contractor: ADVANCED DRILLING

Size	CORE From	To
------	-----------	----

Hole Cemented: (Y/N) N From: _____

<u>N/A</u>	<u>516'</u>	<u>1592'</u>
------------	-------------	--------------

To: _____

Steel down hole: (Y/N) Y Amount: 20'

Collar Cased and Capped: (Y/N) _____

Core Assayed: (Y/N) _____

Assay Lab: NORTHERN ANALYTICAL LABS

Certificate #'s: _____

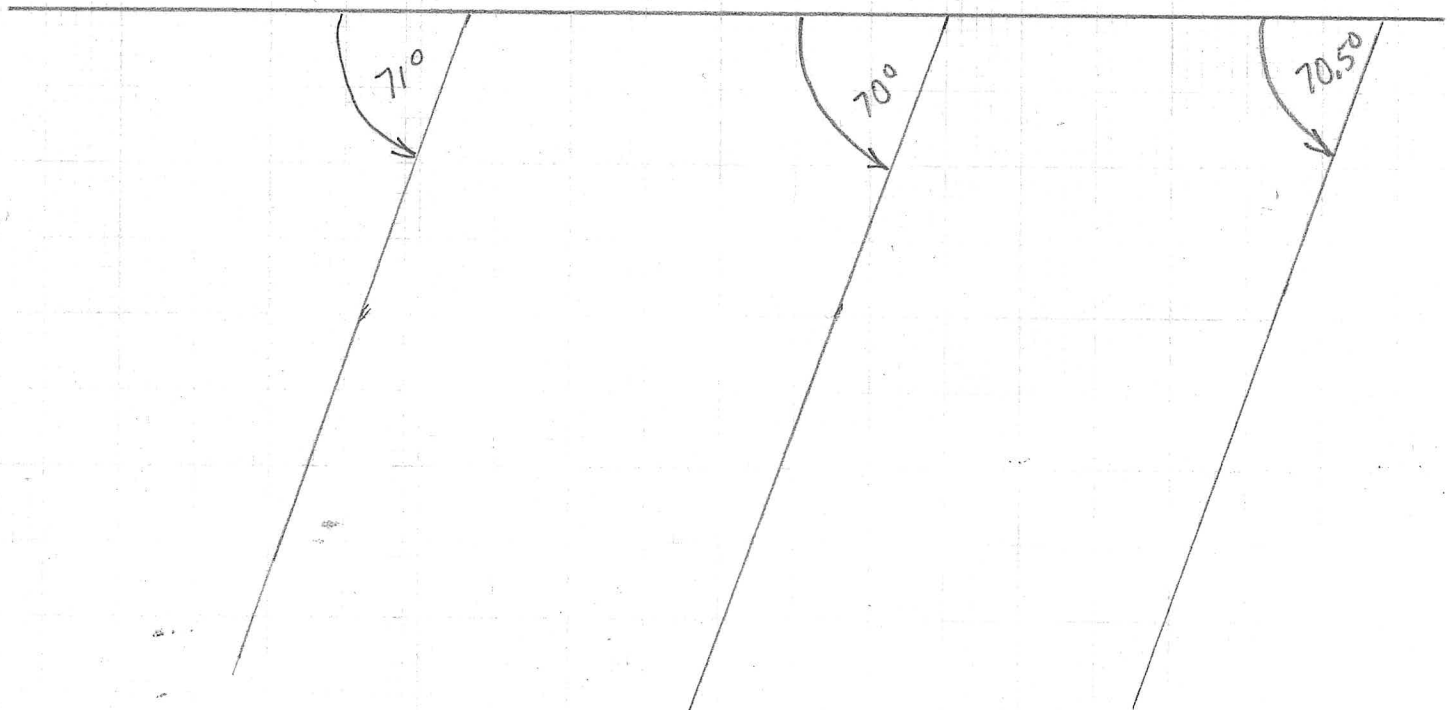
DDH Started: Sept. 9/96

DDH Completed: Sept. 15/96

Acid Test - Hole #3 @ 1437'

Average acid measurement = 70.5°

corrected acid test chart measurement = 64°



ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

MM-03

Units: Feet / Metres

Date: *Sept 23/96* Logged By: DM

Page 1 of 6

To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
18-27	95	.45							
27-37	100	.65							
37-47	100	.61							
47-57	100	.68							
57-67	100	.75							
67-77	100	.86							
77-83	100	.76							
83-88	100	.75							
88-91	100	.48							
91-96	100	.91							
96-100	100	.89							
100-107	100	.78							
107-117	100	.87							
117-127	100	.87							
127-137	100	.76							
137-147	100	.87							
147-157	100	.80							
157-167	100	.65							
167-177	100	.76							
177-187	100	.8							
187-197	100	.63							
197-207	100	.7							
207-217	90	.77							
217-227	100	.76							
227-247	95	.62							
247-257	100	.74							
257-267	100	.71							
267-277	100	.74							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

MM-03

Units: Feet / Metres

Date: Sept 23/96

Logged By: D.M

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
277-287	95	.54							
287-297	95	.64							
297-307	90	.61							
307-317	95	.65							
317-321	80	.54							
321-327	80	.30							
327-337	95	.61							
337-347	95	.55							
347-357	100	.77							
357-367	95	.5							
367-377	100	.40							
377-387	100	.55							
387-397	100	.55							
397-407	100	.52							
407-417	90	.43							
417-427	90	.49							
427-437	95	.46							
437-447	100	.93							
447-457	90	.5							
457-467	100	.52							
467-477	100	.60							
477-487	100	.75							
487-497	100	.19							
497-507	100	.74							
507-517	100	.77							
517-527	100	.71							
527-537	100	.62							
537-547	100	.67							

ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

M+M-96-03

Units: Feet / Metres

Date: Sept 23/96

Logged By: DM

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FROM To	Recovery Length %	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
685-695	90	.19							
695-705	80	.47							
705-707	100	.7							
707-713	80	.59							
713-737	80	.35							
737-747	100	.4							
747-757	90	.31							
757-767	80	.26							
767-777	100	.825							
777-787	100	.31							
787-797	100	.53							
797-807	90	.43							
807-817	95	.44							
817-827	70	.28							
827-837	70	.425							
837-847	70	.24							
847-857	70	.16							
857-867	90	.43							
867-887	100	.63							
887-897	100	.455							
897-907	100	.58							
907-917	100	.625							
917-921	100	.875							
921-931	90	.54							
931-937	90	.25							
947-957	90	.53							
957-967	95	.30							
967-977	80	.525							

ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

MM55/03

Units: Feet Metres

Date: Sept. 23/96

Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
977-987	95	.55							
987-997	100	.6							
997-1007	100	.68							
1007-1017	100	.59							
1017-1027	100	.73							
1027-1037	100	.61							
1037-1047	100	.79							
1047-1057	100	.81							
1057-1067	100	.85							
1067-1077	100	.8							
1077-1086	100	.75							
1086-1096	100	.89							
1096-1107	100	.80							
1107-1117	100	.81							
1117-1127	100	.78							
1127-1147	100	.74							
1147-1157	100	.82							
1157-1163	100	.78							
1163-1173	100	.56							
1173-1183	100	.58							
1183-1193	100	.72							
1193-1203	100	.86							
1203-1207	100	.84							
1207-1217	100	.74							
1217-1227	100	.84							
1227-1237	100	.86							
1237-1247	100	.80							
1247-1257	100	.79							

ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

MMJT/03

Units: Feet / Metres

Date: Sept 23/96

Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
1257-1267	95	.56							
1267-1277	95	.63							
1277-1287	95	.65							
1287-1297	100	.77							
1297-1307	100	.75							
1307-1317	100	.81							
1317-1327	100	.8							
1327-1337	100	.82							
1337-1347	100	.74							
1347-1357	100	.69							
1357-1367	100	.72							
1367-1377	100	.77							
1377-1387	95	.56							
1387-1397	100	.6							
1397-1407	100	.65							
1407-1417	100	.66							
1417-1427	100	.73							
1427-1437	100	.44							
1437-1447	100	.77							
1447-1457	100	.78							
1457-1467	100	.81							
1467-1477	100	.76							
1477-1487	100	.84							
1487-1497	100	.85							
1497-1507	100	.85							
1507-1517	100	.9							
1517-1527	100	.66							
1527-1537	95	.63							

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

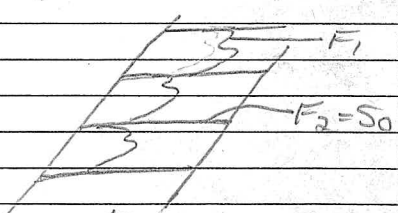
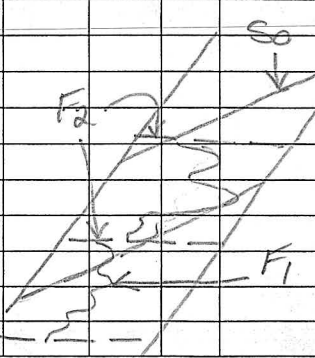
DDH # 96MM-03

UNITS: Feet / Metres

DATE: Sept. 21/96

LOGGED BY: D. MATTILA

PAGE 1 OF 6

FROM	TO	RFE = S ₀ = F ₂					A				B				C				COMMENTS	
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR		
16'	435'																		<p>S₀ = S₂ (ASSUMED)</p> <p>DALOMITIC SEQUENCE</p> <p>SHOWS SIMPLE STRUCTURE</p> <p>RFE = S₀ = F₂ (ASSUMED)</p> <p>S₂ = ~50° To the axis</p> <p>of core at start and</p> <p>fluctuates ± 5-10°. FEW</p> <p>TRACES OF F₁. MOSTLY</p> <p>S₀ AND S₂.</p>	
435'	512'				50	276°	PS ₂	2	50°	276°	← within ultramafic.								<p>F₂ visible in ultramafic</p> <p>sequence.</p>	
512'	512'																			
512'	546'				50°	276°	PS ₂	2	50°	276°	DD ₁	1	?	?					 <p>F₂ cuts off F₁, F₂ = S₀</p>	
546'	546'																			<p>F₂ cuts off F₁, F₂ = S₀</p> <p>angle of dips and dip</p> <p>direction. F₁ structures</p> <p>dip + dip direction - unable</p> <p>to determine.</p>
546'	554'				50°	276°	PS ₂	2	30°	276°	DD ₁	1	?	?					 <p>F₂ (30° to axis) cuts across</p> <p>S₀ (50° to axis) - both at</p> <p>approx 276° AZM. F₁</p> <p>structure too fine and</p> <p>deformed to determine F₁</p> <p>dip and dip direction.</p>	

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

DDH # 96MM-03

UNITS: Feet / Metres

DATE: Sept. 21/96

LOGGED BY: D. MATTILA

PAGE 2 OF 6

FROM	TO	RFE					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
554'	582'			2	50°	276°	PS ₂	2	50°	276°									F ₂ steepens, ∴ F ₂ = S ₀ again, F ₁ not visible
582'	615'			2	50°	276°	PS ₂	2	30°	276°	DD ₁	1	?	?					F ₂ @ 30° to core axis) cuts across S ₀ (@ 50° to core axis) F ₁ too fine to measure.
615'	627'			2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₂ = S ₀ dip + dips direction, F ₁ visible - can't measure.
627'	648'			2	30°	276°	PS ₂	2	55°	276°	DD ₁	1	?	?					F ₂ steepens (55° to core axis) and cuts across S ₀ (30° to core axis) which shallows. F ₁ too fine to measure.
648'	672'			2	30°	276°	PS ₂	2	30°	276°									F ₂ = S ₀
672'	681'			2	40°	276°	PS ₂	2	30°	276°									S ₀ steepens, F ₂ cuts across S ₀
681'	699'			2	55°	276°													F ₂ = S ₀ , F ₂ not visible but assumed.
699'	717'			2	40°	276°													F ₂ = S ₀

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

 DDH # 96MM-03

 UNITS: Feet / Metres

 DATE: Sept 21/96

 LOGGED BY: D. MATTILA

 PAGE 3 OF 6

FROM	TO	RFE = 50					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
717'	723'			2	25°	276°	PS ₂	2	25°	276°	DD ₁	1	?	?					Both S ₂ and S ₀ have shallowed, S ₁ is cut off by S ₂
723'	744'			2	40°	276°													Both S ₂ , S ₀ have steepened.
744'	759'			2	35°	276°	PS ₂	2	35°	276°									
759'	780'			2	55°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₀ steepens - cuts off by F ₂ , F ₁ barely visible.
780'	794'			2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₂ = S ₀ , F ₁ cut off by F ₂ .
794'	802'			2	20°	276°	PS ₂	2	40°	276°									F ₂ = S ₀ , F ₁ not visible.
802'	896'			2	50°	276°													F ₂ = S ₀ , simple structure.
896'	907'			2	35°	276°	PS ₂	2	35°	276°	DD ₁	1	?	?					F ₂ cuts off F ₁ , S ₂ = S ₀
915'	934'			2	50°	276°	PS ₂	2	35°	276°	DD ₁	1	?	?					S ₂ (35° to the core axis) cuts off S ₀ (50° to the core axis) F ₁ barely visible.

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

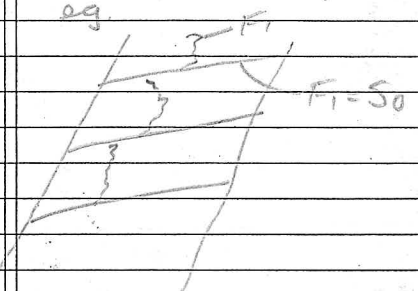
DDH # 96MM-03

UNITS: Feet / Metres

DATE: Sept. 22/96

LOGGED BY: D. MATTILA

PAGE 4 OF 6

FROM	TO	RFE					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
934'	952'			2	40°	276°													
952'	962'			2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₂ =S ₀ , F ₂ cuts off F ₁ eg. 
962'	1016'			2	50°	276°													F ₁ not visible, assumed S ₂ =S ₀ . Simple structure displayed.
1016'	1023'			2	60°	276°													" " "
1023'	1034'			2	40°	276°													" " "
1034'	1086'			2	30°	276°													S ₀ +S ₂ shallows, F ₁ not visible - simple structure.
1086'	1105'			2	50°	276°	PS ₂	2	50°	276°	DD ₁	1	?	?					F ₂ cuts off F ₁ , S ₂ =S ₀

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

W

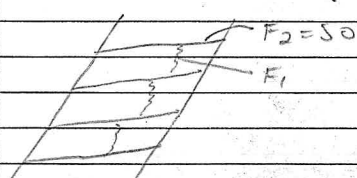
DDH # 96MM-03

UNITS: Feet / Metres

DATE: Sept. 23/96

LOGGED BY: D. MATTILA

PAGE 5 OF 6

FROM	TO	RFE = 50					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
✓ 1130'	1147'			2	30°	276°													simple structure
1165'	1203'			2	40°	276°													" "
✓ 1203'	1220'			2	50°	276°													" "
1220'	12925'			2	35°	276°	PS ₂	2	35°	276°	DD ₁	1	?	?					F ₂ cuts off F ₁ , F ₂ is assumed to = S ₀ eq.
																			
✓ 12925'	1309'			2	40°	276°													simple structure at this point as it enters the next zone - quartzite
1309'	1343'			2	30°	276°													simple structure, F ₁ + F ₂ not visible
1343'	1365'			2	40°	276°													
1365'	1540'																		quartzite zone with simple structure, with S ₀ fluctuating between 40° to 50° to the core axis.

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

FAULT

DDH#

96MM-03

Units: Feet / Metres

Date: *Sept. 20/96*

Logged By: D.M.

Page 1 of 3

From To	Recovery Length FEATURE	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
40'-41'	B2R					1		N/A	fault follows angle of bedding = ~50°
@ 47'	B2R					2		N/A	no gouge, - broken rubble.
187'-188'	B2R					3		N/A	fault follows bedding plane (50°) = ~40°
202'-204'	B2R					4		N/A	fault follows bedding planes = 50°.
280'-283'	B2R					5		N/A	- cuts across bedding planes.
@ 286'	B2R					6		N/A	" " " "
@ 291'	BR2G					7		N/A	~ 5mm gouge
246'-247'	B2R					8		N/A	unable to determine angle with respect to bedding.
306'-307'	B2R					9		N/A	" " " "
312'-330'	BR3G					10		N/A	~ 25cm of gouge, fault is extensive and highly fractured.
393'-401'	BR3G					11		N/A	~ 15 cm of gouge, highly fractured.
408'-409'	B2R					12		N/A	- highly fractured.
434'-435'	B2RG					13		N/A	~ 5mm gouge, rest broken rubble.

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

FAULT

DDH#

96MM-03

Units: Feet / Metres

Date: *Sept. 20/96*

Logged By: D.M.

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FROM To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
439-439.5'	B2R					14		N/Q	
448-448.5'	B2R					15		N/Q	highly sheared.
451-452'	B2RG					16		N/Q	~6mm gouge, highly sheared.
467-469'	B2RG.T					17		N/Q	~3mm gouge.
650-658'	B3R					18		N/Q	highly sheared.
@ 665'	B2R					19		N/Q	
684-686'	B3R					20		N/Q	appears highly sheared.
692-695'	B2RG					21		N/Q	~2.5 cm of gouge.
720-722'	B2G.T					22		N/Q	~3 cm of gouge - appears to follow bedding planes @ ~45°
726.5-728'	B2RG					23		N/Q	~2.5 cm of gouge.
@ 744'	B2R					24		N/Q	
824-830'	BR3G					25		N/Q	~1.5 cm of gouge.
842-848'	BR2G					26		N/Q	~2.2 cm. of gouge.
853-854'	BR2T					27		N/Q	

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-03

Units: Feet Metres

Date: Sept. 20/96

Logged By: D. MATTILA

Page 1 of 7

From	To	No.	Unit	Modifiers	Description
0'	16'				casing, overburden
16'	435'	1	SDA		ASKIN DOLOMITE, LIMESTONE, QUARTZITE
					- light-med gray
					- fine grained, limy
					- moderate fracturing - calcite infill - up to 12 mm thick, most
					average 1-2 mm.
					- minor sporadic qtz veining from 345'-435' (up to ~6 mm thick)
435'	446.5'	2	C Paub		ULTRAMAFIC (SERPENITIZED DUNITE)
					- medium to dark gray
					- fine grained
					- PYRR (4-5%) - mostly fine grained disseminated with some
					larger accumulations with crystals up to 6 mm
					- no other mineralization
					- minor fracturing with fine calcite infill
446.5'	453.0'	3	CT Res		Calc-silicate schist
					- med gray to green
					- interbedded biotite and muscovite micas and quartz
					- appears to be altered (olivine) throughout.
					- moderately fractured
					- trace of PYR and PYRR

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-03

Units: Feet / Metres

Date: Sept. 20/96

Logged By: D. MATTILA

Page 2 of 7

From	To	No.	Unit	Modifiers	Description
453.0'	459.5'	4	SDA		ASKIN DOLOMITE, LIMESTONE, QUARTZITE - AS ABOVE - LIGHT TO MED GRAY - LIGHT GREEN - minor qtz veining - appears altered along these and along fractures - siliceous (serpenitized) alteration
459.5'	469'	5	CTRCS		Calc-silicate schist - as above - more qtz veining with some veins up to 5 cm. - many qtz nodules are also visible - most flattened and elongated - no visible mineralization.
469'	485'	6	CPaub		Ultramafics (serpenitized Dunitite) - as above with less PYRR (1-2%) - minor fracturing - minor calcite veining
485'	709'	7	CTRCS		Calc-silicate schist - med to dark gray - minor amounts of schist - unit appears to be an interbedded quartzose, biotite, muscovite structure - 485' - 498' area affected by dunitic alteration

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-03

Units: Feet / Metres

Date: Sept. 20/96

Logged By: D. MATTILA

Page 3 of 7

From	To	No.	Unit	Modifiers	Description
					491'-496' - 4-6% PYRR - reduces from here on to <1% PYRR with a trace of PYR. - minor calcite veining - minor qtz veining with the few visible up to 7.5 cm, most average 2 cm - unit visibly shows more chlorite from ~567' on - trace of epidote @ 554', 720' - slightly graphitic
					- 668'-672' - TR, galena, TR pyrite, av. 3-4% PYRR (in banded form and disseminated). - some minor banding up to 170' - 710' - average 2-3 mm across 2-3 mm
709'	850.5'	8	MVag Mvar		Muscovite Chlorite Quartz Schist with banded sulphides - zone #1 - light to med. gray to green. - fine grained schist. - qtz areas appear as flattened oblong features interbedded with muscovite and chlorite. - some visible bands of sphalerite (2-3%) @ 707'-758' - approx. 2-3 mm across average. - minor calcite veining - 758'-790' - PYRR (3-4%), galena (TR), sphalerite (~1%) PYR (1-2%) - 790' - 833' PYR (4-5%) until ~829 where pyrite drops to ~1% and only traces amounts up to 833' - trace amounts of garnet - lots of shearing along bedding planes.

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-03

Units: Feet / Metres

Date: Sept. 21/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
850.5'	966'	9	Mps+	Mva ₁	<p>Sanctiferous Quartz Chlorite Muscovite Schist (Sanctiferous Pelitic Schist)</p> <p><i>Sanctiferous Chlorite Muscovite Schist</i></p> <ul style="list-style-type: none"> - light to medium gray to green - fine grained - numerous qtz nodules flattened and oblong interbedded between schistose layers. - several large qtz veins between 871' and 882', largest being 15 cm thick and the average being 2-3 cm thick. - numerous visible garnet crystals (5-6%) with the largest being approx 12 mm across, average 3 mm across. Dissipate out @ ~957'. <p style="margin-left: 20px;">Zoned? → - 891'-943' mineralization increases with banded PYR up to 6 mm across (average 2 mm), (5-6%), TR PYR TR sphalerite</p> <ul style="list-style-type: none"> - trace of epidote @ 954', 966'
966'	1002'	10	Mva ₁		<p>Biotite Chlorite Muscovite Schist</p> <ul style="list-style-type: none"> - light to med gray to green - fine grained - minor calcite veining - moderate fracturing - PYR (~10%) PYRR (<1%) disseminated. - trace of banded sphalerite @ 974' - garnet nodules few 10-12 mm

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-03

Units: Feet / Metres

Date: Sept. 23/96

Logged By: D. MATTLA

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From	To	No.	Unit	Modifiers	Description
1082'	1296.5'	11	Myc (Myc)		<p>Quartz, Biotite Chlorite schist</p> <ul style="list-style-type: none"> - medium to dark gray to green. - fine grained - moderate calcite veining - most @ 1-2mm wide - moderately fractured. - PYR (~1%) PYRR (~1%) - slightly garnetiferous. - mineralization increases ~1033' with PYRR (1-2%), banded sphalerite @ 1035' (<1%). - garnets visible from 1047'-1193' (~1-2%) - 1084'-1114' - mineralization visible at qty. veins with PYRR (3-4%) and along bedding planes, trace of sphalerite bands (~1-2mm) @ 1104', trace Galena. - 1114'-1149' PYR (1-2%) disseminated and fine grained - only mineral visible - 1149'-1175' - PYRR (1-2%) along qty. veins, trace of PYR - trace of epidote @ 1157', 1165', 1224' - mineralization tapers out after 1175' with PYRR (TR), PYR (TR) - calcite veining increases after 1272' - 1287'-1292' - interbedded quartzite and schist - trace of PYR.
1296.5'	1311.5'	12	My (M)		<p>Quartzite (Siliceous Ash or schist?)</p> <ul style="list-style-type: none"> - moderate fracturing - light to medium gray. - minor calcite veining. - moderate qty. veining with most ~6-8mm, the largest @ 4cm.

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-03

Units: Feet / Metres

Date: Sept. 25/96

Logged By: D. MATTILA

Page 7 of 7

From	To	No.	Unit	Modifiers	Description
1366'	1540'	14	M ₂ M ₂		Quartzite (Siliceous Ash. or Chert?) - light to med gray - moderately fractured - appears as highly fractured from 1457' - end of zone - minor calcite veining throughout - minor qtz veining up to 1457', high qtz veining from 1457' - 1517' - epidote visible along qtz veining @ 1372' and 1424.5' - small schistose layers (2-3mm) visible near the beginning and near the end of zone - only minor amounts and interbedded with qtz. - PYR (<1%) , PYRR (<1%) - visible along a few qtz veins in lower half of zone.
1540'	1590'	15	M ₂ + uDMS	Bistite	Chert. Bistite. Muscovite Schist - as above - PYRR (<1%) - mostly around qtz veins - some disseminated. - PYR (TR) - disseminated.
1580'	1591'	16	M ₂ + uDMS		Chert. Bistite Schist - med gray - green - fine grained - PYR (TR.) - minor qtz veining - minor fracturing - minor calcite veining

E. O. H.

ANVIL RANGE MINING CORPORATION

DDH 96MM-02 DIAMOND DRILL CORE LOG

Date: Sept 10/96

Logged by: D. MATTILA

Units: FEET METRES (circle one)

Drilling Summary

Mud used: (Y/N): Y Type: POLYMER NL165, G-STOP.

Circulation: Continuity maintained / Intermittent / Lost at 1200' not regained / Flowing

of Bits used: 5

Overall Recovery: _____ % Overall recovery in mineralization: _____ %

Overall cost/unit: _____ Contract Footage cost: _____ Contract Field cost: _____

Date site reclaimed: _____ Checked by: _____ Date: _____

Downhole Deviation

Depth	Dip Angle	UTM Azimuth	Method/Comments
316'	-66°		SPERRY SUN
716'	-67°		" "
1037'	-71°		" "
1257'	-70°		" "
1527'	-70°		" "
1527'	-68°		ACID TEST (USING CORRECTION CHART.)
			<u>NOTE: DUE TO THE CONFUSING NOTES OF THE MANUAL AND THE LACK OF SIMILARITY OF TEST PHOTO AND ILLUSTRATIONS GIVEN IN THE MANUAL, A TRUE AZIMUTH READING WAS DIFFICULT TO OBTAIN.</u>

COMMENTS

ANVIL RANGE MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: Sept 10/96

Hole Number: 96MM-02

Reference Fabric Orientation Diagram:

Project: MMJT CLAIMS

Location: _____

Claim: _____

UTM Co-ords.: ~ 22,365,460 N

~ 405,520 E

Ground Elevation (UTM datum): ~ 5534.1 FT. AT PAD.

Height of casing above ground: 1-1.5'

Drill hole zero depth: _____

Local Co-ords: _____ N

_____ E

Ground Elevation (local datum): _____

Exploration/Cut line _____

Grid Co-ords.: _____

Total Depth: 1528'

Inclination: -65° dip 330° azimuth (UTM)

Purpose: TO EXPLORE EXTENT OF MINERALIZATION + ADD TO EXISTING INFORMATION

Reason hole _____

Terminated: MINERALIZATION NIL, BIT WAS FINISHED.

Logged by: D. MATTILA

Date(s) logged: _____

Drilling Contractor: ADVANCED DRILLING LTD.

Size	CORE From	To
<u>N/A</u>	<u>18'</u>	<u>1528'</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Hole Cemented: (Y/N) N From: _____ To: _____

Steel down hole: (Y/N) _____ Amount: _____

Collar Cased and Capped: (Y/N) 14' casing

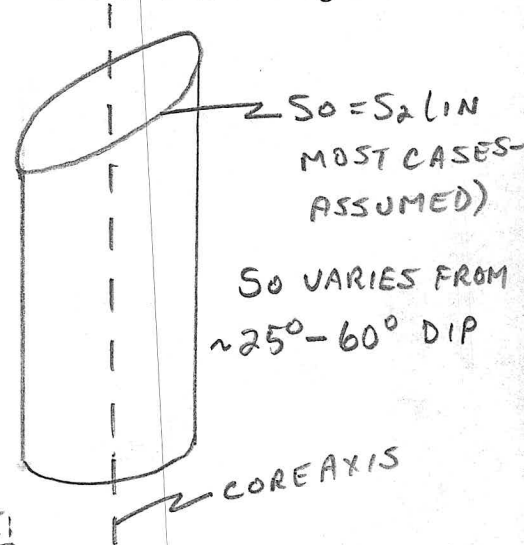
Core Assayed: (Y/N) Y

Assay Lab: NORTHERN ANALYTICAL LABS, WHITEHORSE, YT.

Certificate #'s: _____

DDH Started: Sept. 2/96

DDH Completed: Sept. 8/96 (night shift)



NOTE: THE S₂ WILL CUT ACROSS S₀ AT INTERVALS. F₁ NOT ALWAYS VISIBLE

All symmetry determinations

looking NW with RFE = S0

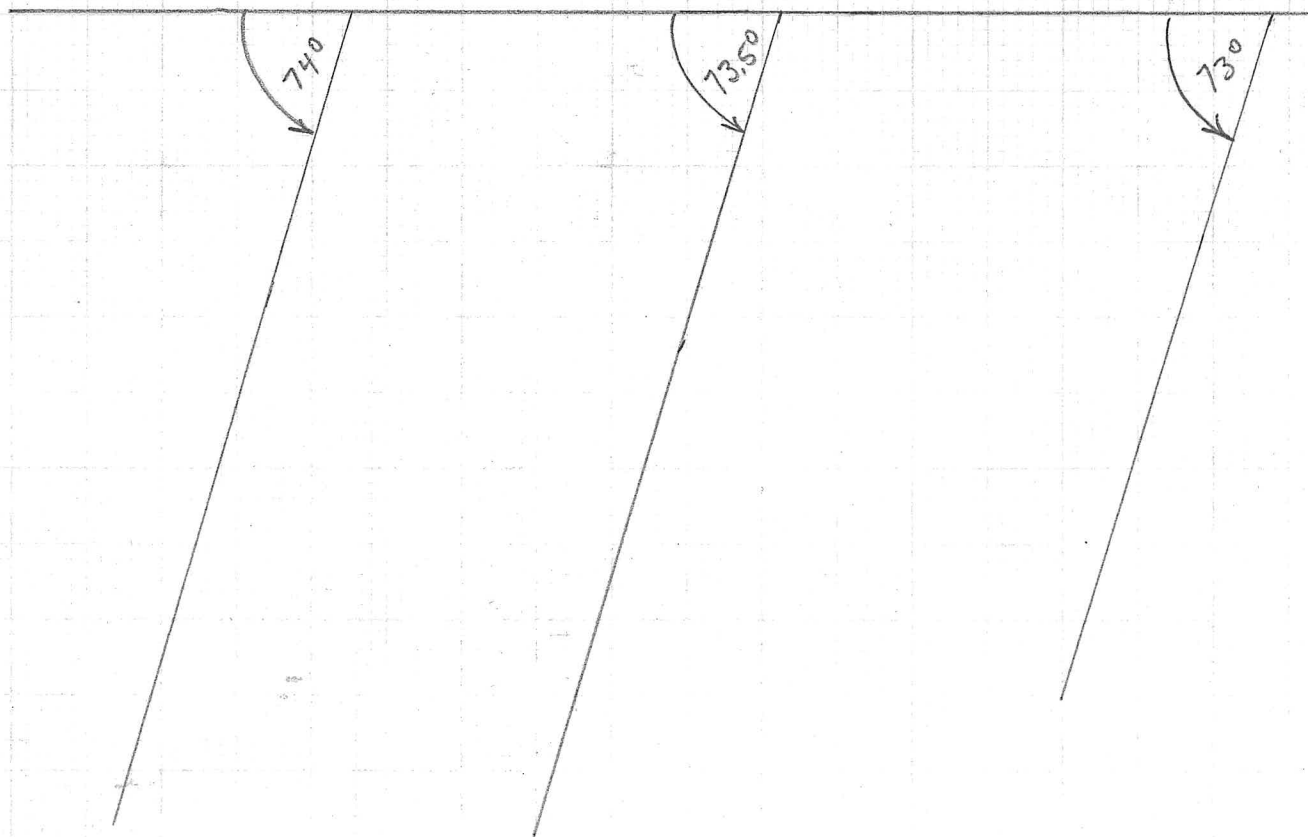
dipping -55° with dip azimuth 276°.

Acid Test - Bottom of hole #2

Hole #2 - 1527' (96MM-02)

average = 73.5°

corrected (with acid test chart) = 68°



ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96MM-02

Units Feet / Metres

Date: Sept. 23/96 Logged By: D.M.

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FROM To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
197-207	98	.68							
207-217	95	.75							
217-227	95	.74							
227-237	150	.95							
237-247	90	.52							
247-257	150	.78							
257-267	98	.85							
267-277	98	.90							
277-287	150	.81							
287-297	150	.81							
297-307	150	.72							
307-317	150	.75							
317-326	150	.95							
326-337	90	.90							
337-347	150	.84							
347-357	150	.90							
357-367	98	.87							
367-377	150	.87							
377-387	98	.81							
387-397	150	.77							
397-407	150	.90							
407-417	150	.96							
417-427	150	.88							
427-437	150	.84							
437-447	150	.85							
447-457	98	.85							
457-467	150	.90							
467-477	150	.88							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96MM-02

Units: Feet / Metres

Date: Sept. 23/96

Logged By: DM

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
477-487	100	186							
487-497	100	184							
497-507	100	194							
507-517	100	182							
517-527	100	185							
527-537	100	195							
537-547	100	192							
547-557	100	190							
557-567	100	185							
567-577	100	177							
577-587	100	182							
587-597	100	182							
597-607	100	177							
607-617	100	187							
617-627	100	181							
627-637	100	178							
637-647	100	167							
647-657	100	172							
657-667	100	186							
667-677	100	191							
677-687	100	193							
687-697	100	185							
697-707	95	177							
707-717	100	189							
717-727	98	182							
727-736	100	197							
736-747	100	198							
747-757	100	181							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96MM-02

Units: Feet / Metres

Date: Sept 23/96 Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
757-767	100	.78							
767-787	100	.93							
787-797	100	.80							
797-807	100	.85							
807-817	100	.78							
817-827	100	.9							
827-837	100	.70							
837-847	100	.80							
847-857	100	.91							
857-867	100	.80							
867-877	100	.85							
877-887	100	.78							
887-897	100	.85							
897-907	100	.94							
907-917	1190	.92							
917-927	100	.86							
927-937	100	.81							
937-947	100	.73							
947-957	100	.83							
957-967	100	.7							
967-977	100	.72							
977-987	100	.70							
987-997	150	.79							
997-1007	100	.41							
1007-1017	100	.8							
1017-1027	100	.475							
1027-1037	100	.625							
1037-1047	100	.458							

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ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

96MM-02

Units: Feet / Metres

Date: Sept. 23/96

Logged By: DM

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FROM To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
1047-1057	70	.03							
1057-1067	150	.52							
1067-1077	80	.25							
1077-1087	95	.60							
1087-1097	150	.57							
1097-1107	150	.57							
1107-1117	150	.64							
1117-1127	100	.90							
1127-1137	150	.75							
1137-1147	150	.69							
1147-1153	150	.88							
1153-1163	150	.75							
1163-1173	150	.85							
1173-1183	150	.65							
1183-1193	150	.50							
1193-1203	95	.61							
1203-1213	150	.68							
1213-1223	150	.60							
1223-1228	150	.46							
1228-1234	150	.43							
1234-1244	150	.42							
1244-1254	150	.86							
1254-1264	150	.69							
1264-1267	150	.69							
1267-1276	150	.81							
1276-1286	150	.74							
1286-1292	150	.61							
1292-1297	150	.45							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96 mm 02

Units: Feet / Metres

Date: Sept. 23/96 Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
1297-1307	100	.60							
1307-1317	100	.05							
1317-1327	100	.61							
1327-1337	100	.6							
1337-1344	100	.79							
1344-1353	100	.74							
1353-1363	100	.65							
1363-1373	100	.7							
1373-1378	80	.63							
1378-1384	90	.61							
1384-1397	100	.70							
1397-1407	100	.6							
1407-1417	100	.79							
1417-1427	100	.68							
1427-1437	100	.61							
1437-1447	100	.61							
1447-1454	90	.17							
1454-1464	96	.22							
1464-1474	95	.50							
1474-1484	100	.37							
1484-1487	100	.50							
1487-1497	100	.67							
1497-1507	100	.27							
1507-1517	96	.63							
1517-1526	100	.90							
1526-1528	100	.69							

84
78
6

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

FAULT

DDH#

96MM-02

Units: Feet Metres

Date: Sept 12/96

Logged By: DM

Page 1 of

FROM To	Recovery Length FEATURE	-RQD- Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments FAULTS		
28'-28.5'	R2G					1		N/Q	~ 6mm fault gouge, rest rubble @ ~ 60° dip from edge of core
@34.5'	R2G					2		N/Q	~ 4mm gouge, rest rubble @ ~ 50° dip from edge of core
✓ @90'	R2G					3		N/Q	~ 8-10mm gouge, rest rubble
@205'	R2G					4		N/Q	~ 3-4mm gouge, rest rubble @ ~ 30° from edge of core
✓ 213'-214'	BR3G					5		N/Q	~ 5cm of gouge, rest is rubble and broken core.
✓ 218'-221'	BR3G					5		N/Q	8-10cm of gouge, rest is rubble and broken rock.
230'-233'	BR2G					6		N/Q	~ 1cm of gouge @ ~ 30° dip from edge of core.
241'-242'	BR3G					7		N/Q	~ 6cm of gouge @ ~ 20° dip from edge of core.
@248'	B2R					8		N/Q	- no gouge.
322'-325'	B2R					9		N/Q	- no gouge.

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

FAULT

DDH#

96MM

Units: Feet Metres

Date: Sept. 15/96

Logged By: D.M.

Page 2 of

FROM To	Recovery Length FEATURE	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments FAULTS		
326.5-327'	BR2					10		N/Q	no gauge.
✓ 389-391	BR3G					11		N/Q	~10 cm gauge, rest is rubble + broken core.
@ 533'	BR2					12		N/Q	no gauge.
✓ @ 573'	BR2G					13		N/Q	~8 mm gauge.
@ 605'	BR2T					14		N/Q	
✓ @ 834'	BR2G					15		N/Q	~12 mm gauge.
@ 919	BR2					16		N/Q	- no gauge
975-985	BR3G					17		N/Q	~5 cm gauge.
@ 1017.5	B3R					18		N/Q	
✓ 1047'-1077'	BR3GT					18		N/Q	~7.5 cm of gauge.
@ 1144'	BR2G					19		N/Q	~5.0 cm of gauge
@ 1215'	BR2					20		N/Q	~8.0 cm of gauge.
✓ 1223-1234	BR2G					21		N/Q	~8.0 cm of gauge -
@ 1264	BR2					22		N/Q	

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

 DDH # 96MM-02

 UNITS: Feet / Metres

 DATE: Sept. 12, 196

 LOGGED BY: D. MATTILA

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FROM	TO	RFE = S ₀ = S ₂				A				B				C				COMMENTS	
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP		DIR
32'	76'				30°	276°													simple structure
76'	78'				55°	276°													- no F ₁ visible S ₂ = S ₀ (assumed)
78'	115'				30°	276°													" "
115'	120'				40°	276°													" "
120'	130'				30°	276°													" "
130'	137'				15°	276°													" "
137'	155'				40°	276°													" "
155'	157.5'				50°	276°													S ₂ = S ₀
157.5'	163'				40°	276°	PS ₂	2	40°	96°	DD ₁	1	?	?					F ₂ structure cuts off F ₁ , F ₁ dip + dip dir. unable to measure.
163'	173'				25°	276°	PS ₂	2	25°	26°	DD ₁	1	?	?					" " "
173'	190'				40°	276°	PS ₂	2	30°	6°	DD ₁	1	?	?					" " "
190'	194'				40°	276°	PS ₂	2	35°	36°	DD ₁	1	?	?					PS ₂ dip direction changes unable to measure F ₁ .
194'	203'				30°	276°	PS ₂	2	25°	16°	DD ₁	1	?	?					PS ₂ dip direction changes So shallows

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

 DDH # 96MM-02

 UNITS: Feet / Metres

 DATE: Sept. 16/96

 LOGGED BY: D. MATTILA

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FROM	TO	RFE = S ₀ = S ₂					A				B				C				COMMENTS	
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR		
638'	645'				30°	276°	PS ₂	2	60°	46°										F ₂ steepens and cuts across S ₀ = RFE
645'	654'				50°	276°														F ₂ + F ₁ not visible.
654'	712'				40°	276°														" " "
712'	755'				30°	276°														RFE shallows, F ₁ + F ₂ not visible.
755'	807'				40°	276°														" "
807'	877'				30°	276°														much deformation is visible from 800' on but appears as soft sediment deformation in structure - hard to recognize any features.
877'	884'				30°	276°	PS ₂	2	30°	276°	DD ₁	1	?	?						F ₂ cutoff F ₁ micro structure, F ₂ = S ₀ .
884'	907'				40°	276°														F ₂ , F ₁ not visible
907'	917'				30°	276°	PS ₂	2	30°	276°	DD ₁	1	?	?						F ₂ dips = S ₀ , F ₂ cutoff F ₁ where visible. Dips and dip direction not possible to measure on F ₁ .

NOTE! MUCH OF THIS CORE UP TO THE AREA HAS DISPLAYED SIMPLE S₀ STRUCTURE OR HAS DISPLAYED EITHER MOTTLED TEXTURES OR IS SO DEFORMED THAT READINGS ARE HARD IF NOT IMPOSSIBLE TO ATTAIN

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-02

Units: Feet / Metres

Date: Sept. 12/96

Logged By: D. MATTILA

Page 1 of

From	To	No.	Unit	Modifiers	Description
0	8'				casing, overburden
8'	221'	1	SDA		ASKIN DOLOMITE, LIMESTONE, QUARTZITE DOLOMITE: - LIGHT-MED. - DARK GRAY - HIGHLY FRACTURED, MODERATE CALCITE INFILL - MOTTLED APPEARANCE VISIBLE UP TO 32', AFTER 32' - BEDDING PLANES VISIBLE. - LIMY COMPOSITION. - TRACE OF PYR. - calcite veining becomes more abundant after 116' with some veins up to 2.5 cm., most of which average 2-3mm wide. - high calcite vein @ 216' - 12"-18".
221'	229'	2	CPavb		Ultramafic - serpentinized Quartzite. - med-dark gray - green. - very fine grained - traces of serpentine along fractures
229'	324'	3	CTrcs		Calc. - silicate schist. - med-dark gray to green. - very fine grained - minimal calcite veining - slightly opacitic - rather siliceous zones located @ 247'-257', 271'-280' - appear as interbedded quartzite and schist layers. - Pyrr (<1%), TR PYR - locally mottled with small qty nodules up to 2-3mm in a fine grained qty groundmass from 289'-317'

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-02

Units: Feet / Metres

Date: Sept. 14/96.

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
324'	329.5'	4	Z		BRECCIA ZONE - subangular to angular fragments of the above material (2.5-3.0cm) in a fine grained qtz. matrix.
329.5'	333'	5	CPaub		Ultramafic - same as above
333'	337'	6	Z		BRECCIA ZONE - as above.
337'	390'	7	CTRes		VARIABLY GRAPHITIC CALC-SILICATE SCHIST - med-dark gray - fine grained - variably graphitic - minor calcite veining - mottled appearance from 340'-347', 354'-375' - banded PYRR @ 349'-349.5', 3-4% - moderately fractured throughout. - zone appears to be heavily chloritized. - trace of pyrite. - PYRR in large crystals (4-12mm) - 1-2% from 388'-389'
390'	437.5'	8	SDA	CTRes(?)	ASKIN DOLOMITE - light-med-dark gray - slightly siliceous. - moderate calcite veining - moderately fractured. - upper half of sequence - Fe oxide coating along margins of some fractures @ 410'-411', 420'-421' 436'-437'. No alteration visible.

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-02

Units Feet / Metres

Date: Sept. 15/96.

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
657'	661'				- a few small bands of sphalerite (~1-2mm) between 657'-661' - minor calcite veining throughout the zone - PYR (<1%) SPHALERITE (<1%), GALENA (<1%) @ 726'-729'
726.5'	876.5'	10	Muar + Mps		<u>Muscovite Chlorite Quartz Schist w/ banded sulphides - ZONE #1</u> - light-med. gray to green. - fine grained - minor calcite veining. - moderate qtz. veining from 726.5' - 767' - average 2.5 cm in thickness. - slightly garnetiferous (1-2%) from 757' onwards. Most are 1-2 mm across - most mineralization appears to follow bedding planes or veins - it also appears to be fairly uniform up to 817' - PYRR (1-2%), PYR (1-2%), GALENA (~1%), SPHALERITE (<1%) - disseminated throughout the matrix up to 817' - PYRR crystals up to 6 mm across. - mineralization increases moderately after 844' with most of it found around qtz. veins and bedding planes. 3-4% PYR, 1-2% PYRR - disseminated, galena (1-2%), sphalerite (2-3%) both disseminated. - qtz. veins found more prevalent after 823' - up to 10 cm thick, most average 1-2 cm. Zinc is semi massive from 849' - ~865'. - mineralization depletes after 877' with only ~1% PYR, <1% PYRR - mottled qtz texture @ 847'-848', 852'-853', 858'-860'
876.5'	943'	11	Mps		<u>Quartzose Biotite Chlorite Schist</u> - light-med-dark gray, fine grained - abundant flattened quartz nodules (average 2 cm long, 3-4 m in thick) visible along many bedding planes.

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-02

Units: Feet / Metres

Date: Sept. 17/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
					<ul style="list-style-type: none"> - minimal calcite veining. - moderate qtz veining (up to 10 cm, av. 1-2 cm.) - PYR (~1%) diss., PYRR (<1%) diss. - most concentrations around qtz veins. Minor sphalerite banding @ 944' - abundant garnet crystals (up to 6 mm, average 1-2 mm) 3-4% in the last 10-11 feet.
943'	964'	12	MV _{sl}		<p>Muscovite Chlorite Quartz Schist with banded sulphide zones (?)</p> <ul style="list-style-type: none"> - light to med gray to green - fine grained, - slightly garnetiferous (<1%) - variable sphalerite bands (2-3 mm thick av.) - 1-2% } from 943' - 951' - PYR (2-3%) - PYRR (~1%) - mineralization dissipates to trace amounts after 951'
964'	1059'	13	Mps		<p>GARNETIFEROUS PELTIC SCHIST</p> <ul style="list-style-type: none"> - med to dark gray - fine grained - interbedded biotite and muscovite, minor chlorite - garnet content increases (3-4%) - up to 8 mm across, average 1-2 mm - minor PYR from 1007 - 1017 - (<1%) - along fractures. - moderate calcite veining. - some qtz veining (minor) max size 10 cm.

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-02

Units: Feet / Metres

Date: Sept. 17/96

Logged By: D. MATTLA

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From	To	No.	Unit	Modifiers	Description
					<ul style="list-style-type: none"> - presorted area from 1025.5' - 1027', with angular clasts up to 3 cm across of the above material - most 2-3 mm across, possible solidified fault gouge for matrix - some calcite visible - - trace of PYR. - trace of sphalerite banding @ 1033'
1059'	1076'	14	M ₁₄		<p style="text-align: center;">RHYOLITE/TRACHYTE (SILICEOUS ASH OR CHERT?)</p> <ul style="list-style-type: none"> - light to med gray - fine grained - minor calcite veining - moderate qtz veining - PYR visible along fractures and qtz veins (<1%) - moderately fractured.
1076'	1093.5'	15	M ₁₅		<p style="text-align: center;">Biotite Chlorite Muscovite Schist</p> <ul style="list-style-type: none"> - dark gray to black to green - fine grained - highly fractured with qtz infill, also qtz found many bedding planes. - minor calcite veining. - trace of PYR, trace of PYRR. - slightly graphitic in places.
1093.5'	1119.5'	16	M ₁₆		<p style="text-align: center;">RHYOLITE/TRACHYTE (SILICEOUS ASH OR CHERT?)</p> <p style="text-align: center;">as above</p>

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-02

Units: Feet / Metres

Date: Sept. 18/96.

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
1119.5'	1133.5'	17	Mva ₂ + Mps		<p><i>Chlorite Biotite Schist</i></p> <ul style="list-style-type: none"> - light to med gray to green - fine grained - many quartz nodules (flattened) interbedded with schistose layers - minor calcite veining. - few qtz veins. - PYR (21%) disseminated throughout matrix. - PTRR (TR). - trace of Sphalerite bands between 1130' - 1131' - slightly garnetiferous.
1133.5'	1177'	18	Myp ₂		<p><i>RHYOLITE/TRACHYTE (SILICEOUS ASH OR CHERT?)</i></p> <ul style="list-style-type: none"> - as above. - numerous large bands of pyrrhotite and pyrite between 1153' - 1158' (3-4%) each. Large banded pyrite @ 1160' (~4-5% PYR), 1168', and 1169' - trace of fluorite @ 1158' - numerous interbeds with schist from 1173' - 1177' - moderate qtz veining - trace of calcite veining.
1177'	1274'	19	MMps + MS		<p><i>Chlorite Biotite Schist</i></p> <ul style="list-style-type: none"> - med - dark gray to green. - minor calcite veining. - trace of pyrite banding in places. - moderate qtz veining - some up to 10 cm thick - 1-2% garnet, visible up to ~ 1200'

ANVIL RANGE MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: Sept. 28/96

Hole Number: 96 MM-04

Reference Fabric Orientation Diagram:

Project: ANVIL RANGE DRILLING PROGRAM.

Location:

Claim: MMJJ CLAIM

UTM Co-ords.: ~22,367,600 N

~408,150 E

Ground Elevation (UTM datum): 5534.1 ft. + ~300' (?)

Height of casing above ground: 1 foot

Drill hole zero depth:

Local Co-ords.: ~22,367,600 N

~408,150 E

Ground Elevation (local datum):

Exploration/Cut line

Grid Co-ords.:

Total Depth: 1450 FT.

Inclination: -65 dip 060 azimuth (UTM)

Purpose: TO EXPLORE MINERALIZATION EXTENT OF ZONE(S).

Reason hole

Terminated: NO FURTHER SIGN OF ANY FURTHER MINERALIZATION.

Logged by: D. MATTILA

Date(s) logged:

Drilling Contractor: ADVANCED DRILLING

CORE From To

Hole From: N/Q 0 1450'

Cemented: (Y/N) N To:

Steel down hole: (Y/N) Y Amount: 4 ft.

Collar Cased and Capped: (Y/N)

Core Assayed: (Y/N) N

Assay Lab: NORTHERN ANALYTICAL LABS.

Certificate #'s:

DDH Started: Sept. 17/96

DDH Completed: Sept. 28/96

All symmetry determinations looking SW with RFE = So dipping -65° with dip azimuth 060.

ANVIL RANGE MINING CORPORATION

DDH 96MM-04

DIAMOND DRILL CORE LOG

Date: Sept. 28/96

Logged by: D. MATTILA

Units: FEET METRES (circle one)

Drilling Summary

Mud used: (Y/N): _____

Type: POLYMER L165

Circulation: Continuity maintained / Intermittent / Lost at 12' not regained / Flowing

of Bits used: 7

Overall Recovery: _____ %

Overall recovery in mineralization: _____ %

Overall cost/unit: _____

Contract Footage cost: _____

Contract Field cost: _____

Date site reclaimed: _____

Checked by: _____

Date: _____

Downhole Deviation

Depth	Dip Angle	UTM Azimuth	Method/Comments
317'	-67°		DUE TO LACK OF CORRELATION BETWEEN PHOTOS TAKEN AND THE ILLUSTRATIONS OF THE SPERRY SUN MANUAL, THE UTM AZIMUTH CALCULATIONS WERE IMPOSSIBLE TO MAKE.
600'	-69.5°		
957'	-70°		
1450'	-71°		
1450'	?		ACID TEST - NO VISIBLE RESULTS FROM ACID TUBE GIVEN. ACID TEST DURATION (2 HRS.)

SPERRY
SUN

COMMENTS

**ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG**

DDH # 96MM-04

Units: Fee / Metres

Date: Sept. 27/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
0	8'				casing, overburden ASKIN QUARTZITE, DOLOMITE, LIMESTONE
8'	420'	1	SDA		DOLOMITE - fine grained, heavy. - light to med. gray - highly fractured - high calcite veining -
420'	431'	2	CTRes		CALC-SILICATE SCHIST - light to med. gray to green. - fine grained - unit is visibly altered (silicified) up to contact with ultramafics - minor fracturing - gtz visible along some bedding planes - TR of PYRR
431'	439'	3	CPaub		Ultramafics (serpenitized Dunite) - zone visibly shows brecciation of the above schist with clasts up to 2cm across and angular - matrix being dunite. - dark gray to black - fine grained. - TR of PYRR

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-04

Units: Feet / Metres

Date: Sept. 27/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
439'	539'	4	CTres		Calc-silicate Schist.
					- as above.
					- visible sphalerite banding (av. 2-3mm across) from 467' - 509' (~1%) PYR (<1%) PYRR (TR)
					- minor calcite veining
					- visibly altered to 470. 526' - 539', 541.5' - 542.5'
539'	541.5'	5	CPaub		- Ultramafic
					- fine grained
					- dark gray to black
					- TR of PYRR, PYR (<1%)
					- fairly massive - no brecciation
541.5'	553'	6	CTres		Calc-silicate Schist
					- as above
					- trace PYR, trace PYRR.
553'	664.5'	7	CTres		Variably Graphitic Calc-silicate Schist
					- dark gray to black
					- fine grained
					- microqtz veining
					- minor calcite veining
					- variably graphitic

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-04

Units: Feet / Metres

Date: Sept. 28/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
					<ul style="list-style-type: none"> - PYR (1-2%), PYRR (~1%) - disseminated and along some qtz veins - 577' - 610' - banded PYRR (4-5%) - some disseminated, PYR (1-2%) - along bedding planes and some qtz veins. - PYRR decreases to ~1-2% diss. PYR (~1%) to end of zone - also along some bedding planes.
664.5'	766.5'	8	Mps		<p>Garnetiferous Pelitic Schist</p> <ul style="list-style-type: none"> - med-dark gray - fine grained - moderate to high fracturing - minor calcite veining - moderate to high qtz veining - between 687' - 717' - garnets visible (5-6%) - biggest = 6mm, average 1-2mm across - a few traces of epidote visible - PYRR (2-3%), PYR (2-3%) disseminated and along qtz veins and bedding planes. - minor amounts of chlorite visible - banded sphalerite (?) and some associated PYRR @ 709', ~3-4cm thick, length of unit approx 12cm.
766.5'	945'	9	Mva ₁		<p>Muscovite Chlorite Qtz Schist with banded sulphides (Zone #1)</p> <ul style="list-style-type: none"> - light to med. gray to green

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-04

Units: Feet / Metres

Date: Sept. 28/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
					<ul style="list-style-type: none"> - minor calcite veining - moderate fracturing - minor traces of epidote @ 819', 841', 871' (along qtz veins.) - moderate qtz veining - 780'-839' - banded PYRR (5-6%), banded sphalerite (2-3%), PYR (~1%) galena (<1%) semi massive sphalerite 785'-787' (5-6%) - slight to quartziferous - 839'-848' traces sphalerite banding (1-2mm wide) with PYRR (2-3%) diss. PYR (2-3%) diss. - slightly quartziferous
945'	996.5'	10	Mva1		<p>Muscovite Chlorite Quartz Schist with banded Sulphide (ZONE #2)</p> <ul style="list-style-type: none"> - light to med gray - fine grained - moderately fractured - minor calcite veining - moderate qtz veining - mineralogical area extends from 945' - ~1006' with banded PYRR (6-7%) banded sphalerite (~1-2%), PYR (~1%) - minor epidote from 1055' - 1081'
996.5'	1071'	11	Mva1		<p>Quartzose Biotite Chlorite Schist</p> <ul style="list-style-type: none"> - med to dark gray to green. - fine grained

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-04

Units: Feet / Metres

Date: Sept. 29/96

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
					<ul style="list-style-type: none"> - moderately fractured - minor calcite veining - moderate qtz veining - trace amount of epidote from 1018'-1036' - PYRR (~1%) dissolved along veins, PYR (<1%) - trace of sphalerite @ 1038' - mineralization dissipates to trace amounts in last 10'-15' of zone
1071'	1241'	12	Mva ₁		<p style="text-align: center;">Biotite Chlorite Muscovite Schist</p> <ul style="list-style-type: none"> - med to dark gray to green - fine grained - highly fractured - moderate qtz veining - minor calcite veining - PYR (1-2%) disseminated from 1104' - 1131', PYRR (<1%) disseminated - zone becomes more quartzitic from ~ 1162' - end of zone - banded PYR (3-4%) and some disseminated (~2%) from 1162' - 1174' - trace of epidote @ 1174' - 1174' - 1197' - banded PYR (~2-3%), banded PYRR (4-5%) - most follow original cleavage planes, minor dissemination of both - no visible calcification along abundant fracturing between 1201' and 1211' - presence of fluorite (10mm wide band) @ 1207', 1206', 1211' - 1216-1221 PYRR (<1%), PYR (~1%) disseminated mostly with some along cleavage planes - ~1221-1241', PYRR (<1%), PYR (<1%) (1241' - END OF ZONE)

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-04

Units: Feet / Metres

Date: OCT. 18/96.

Logged By: D. MATTILA

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From	To	No.	Unit	Modifiers	Description
1241'	1396'	13	My		RHYOLITE/TRACHYTE (SILICEOUS ASH OR CHERT?)
					<ul style="list-style-type: none"> - light to med gray - moderate fracturing - minor calcite veining throughout. - minor qtz veining to 1347', high qtz veining from 1347' to end of zone-1396' - presence of graphite along some fractures. - green fluorite @ 1280'. - presence of PYRR and PYR (both < 1%) along some fractures from 1250' to end of zone (1396') - 1377'-1393' some dissolution of qtz veins (vugs) - minor replacement with calcite in some of these vugs.
1396'	1450'	14	Mva ₁ +vDMS		CHLORITE BIOTITE SCHIST
					<ul style="list-style-type: none"> - med gray/green to black - fine grained - moderate fracturing - minor calcite veining - moderate qtz. veining - slightly graphitic along some fractures - slightly siliceous in upper 6' of zone - trace of garnets (~1mm across) from 1418' to 1427'. - PYR (~1%), PYRR (TR) - both disseminated.

E.O.H.

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

DDH # 96MM-04

UNITS: Feet / Metres

DATE: Sept. 27/96

LOGGED BY: D. MATTILA

PAGE 1 OF

FROM	TO	RFE					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
8'	431'																		simple S ₀ structure displayed throughout this carbonate sequence with S ₀ dipping from 30° - 55°, FAIRLY STEEP (~50°) AT THE START, SHALLOWING IN THE MIDDLE AND STEEPENING TO APPROX. 55° AT CONTACT WITH ULTRAMAFICS.
479'	485'			2	40°	276°													S ₂ =S ₀ , S ₁ not visible simple structure.
485'	512'			2	60°	276°													
501'	534'			2	50°	276°	PS ₂	2	50°	276°	DD ₁	1	?	?					S ₂ cuts off S ₁ , S ₂ =S ₀
534'	556'			2	60°	276°	PS ₂	2	60°	276°	DD ₁	1	?	?					" " " " "
556'	639'			2	45°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₂ shallower, cuts off S ₀ S ₁ barely visible.

ANVIL RANGE MINING CORPORATION

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DDH # 96MM-04

UNITS: (Feet) / Metres

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LOGGED BY: D. MATTILA

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FROM	TO	RFE					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
✓ 639'	651'			2	40°	276°													
	651'			2	50°	276°													
✓ 662'	682'			2	50°	276°	PS2	2	40°	276°	DD1	1	?	?					S ₂ shallows → cut across S ₀ , S ₁ cut off by S ₂ S ₀ =S ₂ , simple structure
	682'			2	40°	276°													
✓ 692'	732'			2	30°	276°													
	732'			2	40°	276°													S ₀ =S ₂ , S ₁ not visible.
✓ 750'	787'			2	30°	276°													" " "
	787'			2	40°	276°													
✓ 838'	846'			2	50°	276°													S ₀ =S ₂ , S ₁ not visible.
	846'			2	40°	276°													" " "
✓ 937'	962'			2	50°	276°													" " "
	962'			2	60°	276°													S ₀ =S ₂ , simple structure

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

DDH #

96MM-04

UNITS: Feet / Metres

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LOGGED BY:

D. MATTILA

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FROM	TO	RFE					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
967'	1020'			2	40°	276°													S ₀ = S ₂
1020'	1073'			2	30°	276°	PS ₂	2	30°	276°	DD ₁	1	?	?					S ₂ cuts off S ₁ , S ₂ = S ₀
1073'	1193'			2	40°	276°													sample structure, S ₂ = S ₀ , S ₁ not visible.
1193'	1212'			2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₂ cuts off S ₁ , S ₂ = S ₀ S ₁ unable to measure
1212'	1241'			2	50°	276°													S ₀ = S ₂ , S ₁ not visible
1241'	1396'																		zone composed of quartz which is massive in structure. Sample structure viewed.
1396'	1450'																		zone composed of blende hostite schist with S ₀ = S ₂ which shallows from ~ 50° to 30° at end of hole

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

FAULT

DDH#

96MM-04

Units: Feet / Metres

Date: Sept. 27/96

Logged By: DM

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FRM To	Recovery Length FEATURE	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
35'-36'	B2RG					1		N/A	~ 6mm gouge.
87'-93'	B2R					2		N/A	- no gouge.
103'-104'	B2R					3		N/A	" "
✓ 105'-145'	B3RG					4		N/A	~ 4 cm gouge
149'-150'	B2R					5		N/A	- no gouge.
155'-162'	B2R					6		N/A	" "
✓ 190'-214'	B3RG					7		N/A	~ 4 cm. gouge.
228'-243'	B2R					8		N/A	- no gouge.
257'-266'	B2R					9		N/A	" "
269'-272'	B3R					10		N/A	" "
✓ 317'-333'	B2RG					11		N/A	~ 2 cm of gouge.
✓ 342'-345'	B3RG					12		N/A	~ 4 cm of gouge.
✓ 389'-397'	B3RG					13		N/A	12-14 cm of gouge
412-413'	B2R					14		N/A	- no gouge.

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG FAULT

DDH#

96MM-04

Units: Feet / Metres

Date: Sept. 27/96

Logged By: D.M

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FROM To	*Recovery Length FEATURE	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
✓ @ 420'	B2RG					15		N/A	3-5 mm of gouge.
432'-434.5'	B2R					16		N/A	- no gouge.
✓ @ 450'	B2G					17		N/A	~ 6 mm gouge.
✓ 467'-470.5'	B2RG					18		N/A	~ 3 cm of gouge.
477'-512'	B3R					19		N/A	- no gouge.
522'-534'	B2R					20		N/A	" "
612'-613'	B2R					21		N/A	" "
623'-627'	B2R					22		N/A	" "
639'-643'	B2R					23		N/A	" "
650'-658'	B2R					24		N/A	" "
732'-741'	B2RT					25		N/A	" "
✓ 743'-748'	B2RG					26		N/A	~ 3 cm of gouge.
✓ 752'-770'	B3RG.T					27		N/A	~ 5 cm of gouge.
802'-815'	B2R					28		N/A	- no gouge

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

MM55/04

Units: Feet / Metres

Date: *Sept. 29/96* Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
8-12	85	.51							
12-17	95	.46							
17-27	90	.71							
27-37	95	.53							
37-47	100	.71							
47-57	100	.61							
57-67	100	.75							
67-77	100	.80							
77-87	100	.89							
87-91	90	.41							
91-97	98	.75							
97-107	100	.6							
107-111	90	.63							
111-117	95	.79							
117-123	95	.58							
123-126	95	.47							
126-129	90	.33							
129-132	90	.61							
132-137	90	.7							
137-141	90	.75							cave
141-147	95	.55							
147-157	100	.68							
157-163	100	.83							
163-171	95	.62							
171-177	95	.66							
177-187	100	.59							
187-196	100	.72							
196-197	98	.6							

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ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

MMSJ/04

Units: Feet / Metres

Date: Sept 29/96 Logged By: D.M

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
197-200	90	.5							
200-208	90	.62							
208-210	90	.71							
210-217	95	.75							
217-227	100	.74							
227-237	100	.78							
237-247	100	.82							
247-257	100	.85							
257-266	10	.01							lost core
266-272	90	.68							
272-277	100	.8							
277-287	100	.84							
287-297	100	.80							
297-307	100	.83							
307-317	100	.8							
317-322	95	.68							
322-327	100	.61							
327-337	100	.65							
337-345	100	.66							
345-355	100	.79							
355-365	100	.78							
365-375	100	.87							
375-380	100	.83							
380-387	100	.80							
387-397	100	.73							
397-407	100	.79							sand
407-417	100	.70							
417-427	100	.64							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

MM55/04

Units: Feet Metres

Date: *Sept 29/96*

Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
427-434.5	95	.59							
434.5-437	95	.61							
437-446	100	.87							
446-453	100	.78							
453-464	100	.89							
464-470.5	100	.69							
470.5-481	100	.83							
481-487	100	.83							
487-496	100	.86							
496-504	95	.75							
504-510	98	.76							
510-520	100	.68							
520-527	100	.82							
527-537	100	.75							
537-547	100	.86							
547-557	100	.78							
557-567	100	.68							
567-577	100	.78							
577-587	100	.86							
587-597	100	.75							
597-604	100	.55							
604-614	100	.77							
614-624	100	.76							
624-634	100	.58							
634-642.5	100	.54							
642.5-652.5	100	.65							
652.5-659	95	.64							
659-667	100	.65							

#4

ANVIL RANGE MINING CORPORATION GEOTECHNICAL LOG

DDH#

MMJJ/04

Units: Feet Metres

Date: Sept. 29/96 Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
667-677	100	.7							
677-687	100	.67							
687-697	100	.62							
697-707	100	.65							
707-717	100	.61							
717-727	100	.57							
727-737	100	.58							
737-747	98	.49							
747-757	95	.56							
757-767	100	.6							
767-777	100	.61							
777-787	100	.63							
787-797	100	.66							
797-807	100	.68							
807-814	95	.63							
814-817	95	.61							
817-827	100	.69							
827-836	100	.71							
836-846	100	.65							
846-856	100	.6							
856-863	100	.66							
863-873	100	.68							
873-883	100	.64							
883-893	100	.56							
893-897	100	.62							
897-907	100	.69							
907-917	100	.57							
917-927	95	.55							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

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Units: Feet / Metres

Date: Sept. 29/96

Logged By: D.M.

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To	Recovery Length	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
927-937	100	.68							
937-947	100	.56							
947-953.5	150	.59							
953.5-963.5	100	.78							
963.5-966	95	.41							
966-976	100	.68							
976-986	100	.66							
986-996	100	.69							
996-1006	95	.71							
1006-1016	100	.74							
1016-1026	100	.6							
1026-1036	100	.65							
1036-1046	100	.93							
1046-1056	100	.69							
1056-1066	95	.59							
1066-1075	100	.60							
1075-1085	100	.65							
1085-1094.5	100	.72							
1094.5-1104	100	.86							
1104-1110	95	.55							
1110-1114	90	.58							
1114-1120	95	.70							
1120-1127	100	.5							
1127-1137	100	.72							
1137-1144.5	100	.80							
1144.5-1155	100	.92							
1155-1162	100	.89							

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

DDH#

96MM-04

Units: Feet / Metres

Date: Oct. 17/96

Logged By: DM.

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FROM To (in feet)	Recovery Length (%)	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
1162'-1163'	100	.5							
1163'-1165'	95	.29							
1165'-1167'	100	.52							
1167'-1177'	100	.84							
1177'-1187'	98	.58							
1187'-1196'	100	.73							
1196'-1206'	100	.65							
1206'-1216'	100	.67							
1216'-1226.5'	100	.74							
1226.5'-1237'	96	.63							
1237'-1247'	98	.67							
1247'-1257'	98	.72							
1257'-1267'	97	.52							
1267'-1277'	100	.88							
1277'-1287'	100	.81							
1287'-1297'	100	.76							
1297'-1307'	100	.64							
1307'-1317'	100	.84							
1317'-1327'	100	.97							
1327'-1337'	100	.95							
1337'-1347'	100	.87							
1347'-1357'	100	.86							
1357'-1367'	100	.82							
1367'-1377'	100	.91							
1377'-1387'	100	.89							
1387'-1397'	100	.83							
1397'-1407'	98	.82							
1407'-1417'	100	.92							

