020191

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	CPaub		Ultramafics - Serpentinized Dunite.
					- med-dark gray-green.
					- very fine grained
					- traces of serpentinite along fractures.
229'	324'	3	CTRcs		Calc-Silicate Schist.
					- med-dark gray to green.
					- very fine-grained
					- minimal calcite veining
					- slightly graphitic
					- 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 Page 2 of

From	To	No.	Unit	Modifiers	Description
324'	329.5'	4	?		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	?		BRECCIA ZONE - as above.
337'	390'	7	CTRcs		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'	637.5'	8	SDA		ASKIN DOLOMITE - light - med - dark gray - slightly siliceous. - moderate calcite veining - moderately fractured. - upper half of sequence - Fe oxide coating along margins of bowl fractures @ 410' - 411', 420' - 421', 436' - 437'. No alteration visible.

ANVIL RANGE MINING CORPORATION

LITHOLOGIC LOG

DDH # 96MM-02

Units: (Feet) / Metres Date: ~~Sept~~ 8.15.96 Logged By: D. MATTILA Page 3 of

From	To	No.	Unit	Modifiers	Description
					- soft sediment deformation visible from 380'-381'
					- some large calcite veining visible (4-15cm.) - two of these @ 423' and 427' respectively, 582', 624'.
					- PYR (<1%)
					- highly fractured throughout bottom half of sequence.
					- PYRR (<1%).
					- quite mottled from 585'-595'.
					- presence of sphalerite(?) from 631'-632', 636'-637.5' (<1%)
637.5'	726.5'	9	CTRcs		Variably Graphitic Calc-Silicate Schist
					- med-dark gray-green.
					- fine grained,
					- mottled appearance throughout most of zone eg. 648'-658', 676'-698'.
					- moderate calcite veining.
					- Trace of PYR.
					- slightly graphitic
					- Trace of fine sphalerite bands (1mm wide or less)
					- PYRR (2-3%) with crystals up to 6mm in size, average 1-2mm.

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-02

Units (Feet) / Metres Date: Sept. 15/96. Logged By: D. MATTILA Page 4 of

From	To	No.	Unit	Modifiers	Description
657'					- a few small banded 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	Mbs		Muscovite Chlorite Quartz Schist w banded sulphides - ZONE #1
					- light-med. grey 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 1-2mm across
					- most mineralization appears to follow bedding planes or veins - it also appears to be fairly uniform up to
					- PYRR (1-2%), PYR (1-2%), GALENA (~1%), SPHALERITE (<1%) - disseminated throughout the matrix up to ~17'
					- PYRR crystals up to 6 mm across.
					- mineralization increases moderately after 847' with most of it found around qtz. veins and bedding planes. 3-4% PYR, 1-2% PYRR disseminated, galena (1-2%), sphalerite (1-2%) both disseminations.
					- qtz veins found more prevalent after 823' ± up to 10 cm thick, most average 1-2 cm.
					- mineralization depletes after 877' with only ~1% PYR, <1% PYRR
876.5'	943	11	Mps		Quartzose Biotite Chlorite Schist
					- light-med-dark grey, fine grained
					- abundant flattened quartz augen (average 2 cm long, 3-4 mm 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 Page 5 of

From	To	No.	Unit	Modifiers	Description
					- minimal calcite veining.
					- moderate qtz veining (up to 10 cm, av. 1-2 cm.)
					- PYR (~1%) diss., PYRR (<1%) diss. - mm concentrations around qtz veins.
					- abundant garnet crystals (up to 6mm, average 1-2 mm) 3-4% in the last 10-11 feet.
943'	964'	12	Mbs		Muscovite Chlorite Quartz schist with banded sulphide. ZONE 2(?)
					- light to med gray to green.
					- fine grained.
					- slightly garnetiferous (<1%)
					- variable sphalerite bands (2-3mm thick av.) - 1-2%
					- PYR (2-3%)
					- PYRR (~1%)
964'	1059'	13	Mps		GARNETIFEROUS PELITIC SCHIST
					- med to dark gray
					- fine grained
					- interbedded biotite and muscovite, minor chlorite.
					- garnet content increases (3-4%) - up to 8mm macros, 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. 18/96~~. Logged By: D. MATTILA Page 6 of

From	To	No.	Unit	Modifiers	Description
					- brecciated area from 1025.3' - 1027' with angular clasts up 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	SDA		QUARTZITE (SILICEOUS ASH OR CHERT?)
					- 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	MVa,		Biotite Calcite Muscovite Schist
					- dark gray to black to green
					- fine grained
					- lightly 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	SDA		QUARTZITE (SILICEOUS ASH OR CHERT?)
					as above

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-02

Units: (Feet) Metres Date: Sept. 18/96. Logged By: D. MATTICA Page 7 of

From	To	No.	Unit	Modifiers	Description
1119.5'	1133.5'	17	Mva,+u	DMS	**Chlorite Biotite Schist**
					- light to med gray to green
					- fine grained
					- many quartz nodules (flattened) interbedded with schistose layers
					- minor calcite veining.
					- few qtz veins.
					- PYR (2%) disseminated throughout matrix.
					- PYRR (TR).
					- trace of sphalerite bands between 1130' - 1131'
					- slightly garnetiferous.
1133.5'	1177'	18	SDA		QUARTZITE (SILICEOUS ASH OR CHERT?)
					- 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	Mva,+u	DMS	**Chlorite Biotite Schist**
					- 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% garnets visible up to ~ 1200'

ANVIL RANGE MINING CORPORATION
LITHOLOGIC LOG

DDH # 96MM-02

Units: (Feet) / Metres Date: ~~Sept.~~ 18/96 Logged By: D. MATTILA Page 8 of

From	To	No.	Unit	Modifiers	Description
					- several large pyrite bands from 1199'-1202' (3-4%)
					- epidote visible @ 1205'
					- PYRR (1-2%) visible from 1215'-1216', 1218'-1220'
					- PYR (<1%) disseminated.
					- zone visibly displays interbedding of this schist and the siliceous material starting at 1234.5' up to
					- PYRR and PYR visible from 1243' to 1249' each at about 1%.
					- zone moderately fractured.
1274	1528'	20	SDA		QUARTZITE (SILICEOUS ASH OR CHERT?)
					- as above
					- PYR (<1%), PYRR (<1%) - mostly concentrated along qtz veins.
					- moderate fracturing
					- moderate calcite veining
					- minimal qtz veining
					- thin (2-3mm?) interbeds of the above schist visible from 1363'-1380', 1483'-1507'
					- more fracturing present from 1464'-E.O.H.
					- quite brecciated from 1514'-1523 with cherty ash clasts (angular) up 5 cm across - qtz matrix.
					- Pyp (TR) visible in a few locations for the last 80'.
					E.O.H.