

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
		10 0		12 17 5						18 14	OVERBURDEN - NO RECOVERY
		12 17 5		12 19 3						18 16	GRANITE BOULDERS + MINOR RUBBLE
		12 19 3		13 30 0						15 12 (20)	GRADE - W DARK GREY FOLIATED MUSCOVITE CHLORITE PHYLLITE WITH PALE BUFF/GREEN SECTIONS ALTERED PHYLLITE - FOLIATION 54-75° JOINTED AT START - FAIR/GOOD CORING AT END. NON CALCAREOUS
		13 30 0		13 32 2						17 12 (20)	FAULT. GREY/GREEN MUD BOULGE + FRAGMENTS ALTERED PHYLLITE LOWER CONTACT @ 49°
		13 32 2		13 41 1						13 10 PR	GRADE W BLACK GRAPHITIC PHYLLITE - NOT WELL FOLIATED - SILICIFIED - HARD 1-2 CM BANDS HEAVY DISSEMINATED PYRITE/PYRRHOTITE (~68°) NON CALCAREOUS. GOOD CORING.
		13 41 1		13 51 1						15 12	GRADE - W PALE BUFF BROWN/GREEN ALTERED PHYLLITE 2% DISC F.G.R PYRITE GOOD CORING - STRONG FOLIATION 73° - (CHLORITE MUSCOVITE SERICITE, QUARTZ)
		13 51 1		13 54 4						15 26	GRADE H/V PALE BRASSY YELLOW MASSIVE FINE GRAINED PYRITE IN STRONGLY CARBONATED MATRIX + F.G.R. DISC SPHALERITE + GALENA IN BROWN/RED PATCHES GRADE IS HIGH. V. GOOD CORING, UPPER CONTACT 79°; LOWER CONTACT IREGULAR BUT AT HIGH ANGLE TRACE PYRRHOTITE

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24 26 28	30 34 35			
	1315 4	1315 7			13 ZG	GRADE H GREY QUARTZ WITH BONAS + DISSEMINATED PYRITE (2.5%) SPHALERITE (10%) GALENA (4%) - GOOD CORING PARTLY BROKEN. - LOST CORE.
	1315 7	1317 2			18 ZG WQ	GRADE H CLOTS OF WHITE QUARTZ CARBONATE (DOLOMITE) (50%) WITH MATRIX FINE GRAINED DISSEMINATED PYRROPHITE (20%) PYRITE (5%) SPHALERITE, (8%) GALENA (4%) - GOOD CORING.
	1317 2	1317 4			18 ZGC	GRADE H/V NEAR MASSIVE PYRITE/PYRROPHITE (80%) COARSE BANDING 73° NO CALCITE. DISSEMINATED AND RESS SPHALERITE (8%) GALENA (4%) CHALCOPYRITE (2%) LOWER CONTACT SHARP AT 68°
	1317 4	1318 3			12 12 Q1Z	GRADE L PALE GREY/GREEN MUSCOVITE CHLORITE PHYLLITE - NON CALCAREOUS WITH WHITE QUARTZ VEINING AND STRINGERS + WHITE DOLOMITE XTALS. FOLIATION veining mainly at HIGH ANGLE GOOD CORING BUT JOINTED - FEW SMALL VEINETS SPHALERITE/GALENA. ~ 30° LOWER CONTACT BROKEN WITH FRAGMENT PYRROPHITIC ORE.
	1318 3	1411 0			1210 Q	GRADE W GREY TO DARK GREY WELL FOLIATED MUSCOVITE CHLORITE BIOTITE PHYLLITE FAIR CORING JOINTED HEAVY PATCHES WHITE VEIN QUARTZ - FOLIATION AT HIGH ANGLE THROUGHOUT (69°)

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	10	14	16	20	22	24	26	28	30	34	35			
	1411	0	1416	8									1210	GRADE W
														GREY TO DARK GREY MUSCOVITE QUARTZ CHLORITE PHYLLITE - WELL FOLIATED 66° FAIR TO GOOD CORING SOME JOINTING
	1416	8	1417	4									1712 (52)	FAULT. GRADE W
														GREY/PALE GREEN BROKEN PHYLLITE WITH 25% MUD GOUGE LOWER CONTACT 44°
	1417	4	1419	4									210	GRADE L
														q,ZGP → 3 GREY BLACK GREEN VARIABLY SILICIFIED MUSCOVITE CHLORITE QUARTZ PHYLLITE - FOLIATION IRREGULAR ~ 45° WHITE QUARTZ STRINGERS/VEINLETS WITH MINOR WHITE DOLOMITE DISSEMINATED SPHALERITE/GALENA MAINLY IN BANDS // S FOLIATION. FAIR CORING MODERATE JOINTING - MORE SILICIFIED TOWARDS END - NON CALCAREOUS.
	1419	4	1511	1									15	GRADE H
														cZGB MASSIVE CALCAREOUS PYRITIC SULPHIDED ± DIS. SPHALERITE & GALENA GOOD CORING - PARTLY BARITIC
	1511	1	1512	9									1210	GRADE L
														qPZGC GREY FOLIATED MUSCOVITE QUARTZ PHYLLITE - HIGHLY SILICIFIED DISSEMINATED PYRITE (10%), SPHALERITE (3%) GALENA (1%) CHALCOPYRITE (TR) MAINLY IN BANDS. FAIR CORING - MODERATE TO STRONG JOINTING FOLIATION AT 63°

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	10	14	16	20	22	24	26	28	30	34	
	1512	9	1514							15	BcZG GRADE H/V
											BASSY YELLOW MASSIVE PYRITIC ORE SECTIONS WITH BARITE - FINE GRAINED SPHALERITE AND GALENA HEAVY IN PATCHED. BANDING AT LOW ANGLE TO CORE AXIS ($\pm 3^\circ$) NOSE OF FOLD? - CARBONATED MAINLY ON JOINTS.
	1514	1	1516	8						1210	gPZG GRADE - L
											PAGE GREY/GREEN FOLIATED MUSCOVITE QUARTZ PHYLLITE - HEAVY SILICIFICATION, DISSEMINATED PYRITE (10%) SPHALERITE (3%) GALENA (1%) MAINLY IN BANOS // FOLIATION (84°) - ALSO "M" FOLD AT 54.6
	1516	8	1518	4						15	BZGC GRADE H/V
											BASSY YELLOW MASSIVE FINE GRAINED PYRITE WITH GREY TINGED AREAS OF BARITIC ORE AND RED/BROWN AREAS RICH IN SPHALERITE ROUGHLY BANDED (52°) AT 35° - GOOD CORING CARBONATED MAINLY ON JOINTS.
	1518	4	1519	7						1210	gZG \rightarrow 52 GRADE - W
											GREY + GREEN SILICIFIED AND ALTERED PHYLLITE SOFT AND MIDDY TO HARD AND BROKEN - 10% DIS PYRITE 3% SPHALERITE 1% GALENA. FOLIATION 34°
	1519	7	1610	8						17	\rightarrow 52GEX GRADE H
											PAGE GRASSY YELLOW FINE GRAINED PYRITE (65%) IN GREY BARITIC MATRIX + F.G.R. DIS SPHALERITE (10%) AND GALENA (3%)

Code	From	To	Recov.	No.	Unit	Description
1	10	14	16	20	22 24 26 28 30 34 35	
						GOOD CORING - CARBONATED MAINLY ON JOINTS. - FRAGMENTAL (TECTONIC BRECCIA) 60.6-60.8
	1608	1617			1209	GRADE - U GREY MUSCOVITE QUARTZ CHLORITE PHYLLITE - WELL FOLIATED, 73° - MINOR WH. QTZ VEINING. - WELL JOINTED TO BROKEN CORE + MINOR MUD SILICIFIED IN PATCHES
	1617	1630			1210	GRADE M/L GREY/GREEN HARD/SOFT MUSCOVITE QUARTZ PHYLLITE - SILICIFIED WITH RED SPHALERITE ON S2 PARTINGS. - SOME SECTIONS ALTERED PHYLLITE - WELL JOINTED BROKEN IN PLACES 62.4-62.7 MASSIVE FINE GRAINED PYRITIC ORB MAINLY CARBONATED HEAVY ZNS+PbS ESPECIALLY ON CONTACTS - PERVIOUSLY BANDS (49°) AROUND CORE OF QTZ/CARBONATE - NISE OF FOLD? GOOD CORING
	1630	1671			1210	GRADE W DARK GREY/BLACK WELL FOLIATED AND PARTLY SILICIFIED MUSCOVITE QUARTZ CHLORITE PHYLLITE - FOLIATIONS (S2) 65° BUT WITH SMALL F1(?) FOLDS BETWEEN S2 FOLIATIONS (SEE 66.5-66.7) AXIAL PLANES OF FOLD(S) AT OR NEAR PARALLEL S2 CLEAVAGE OF 70°. GOOD CORING MODERATE JOINTING - 66.2 TO 67.1 IS MAINLY BROKEN WITH MINOR MUD - TRACES PY, ZNS PbS
	1671	1674			17c	GRADE - V

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20	22 24	26 28	30 34 35
						DISSEMINATED FINE GRAINED SPHALERITE (15%) GALENA (5%) BANDING (S2) 75° - GOOD CORING - CORE VERY CARBONATED - 4% FINE VUGS
	1716 3	1811 7			120 g (20g ZG)	80:20 GRADE L GREY TO DARK GREY WELL FOLIATED (82°) MUSCOVITE CHLORITE PHYLLITE (80%) WITH TRACES GRAPHITE ON FOLIATION BREAKS - SECTIONS FROM 1-20 CM ARE LIGHT GREY AND SILICIFIED WITH 10% PYRITE 3% SPHALERITE 1% GALENA - MINERALIZATION IS DISSEMINATED AND ALIGNED WITH FOLIATION - CORE VERY BROKEN - SOME MUD GOUGE (3%) - LOST CORE FAULT ZONE.
	1811 7	1813 1			3 ZG	GRADE H/V GREY SILICEOUS ORE + 20% DISSEMINATED PYRITE, 16% SPHALERITE 4% GALENA; TENDENCY FOR ZNS PARTICULARLY TO FOLLOW (S2) FOLIATION FAIR CORING BUT MODERATE JOINTING
	1813 1	1815 0			5 BZGQC	GRADE - H PALE BRASSY YELLOW MASSIVE PYRITIC SULPHIDES (70%) WITH MATRIX WHITE/GREY QUARTZ (10%), BARITE IN PATCHES (5%) LIGHT RED/BROWN SPHALERITE + GALENA - CALCITE ON FRACTURES. FAIR CORING PARTLY BROKEN - MINOR LEACHING, POROSITY (3%) LOWER CONTACT. 69°
	1815 0	1818 4			152 g	GRADE - W PALE GREY/GREEN SILICIFIED ALTERED MUSCOVITE QUARTZ CHLORITE PHYLLITE. MOSTLY WELL JOINTED TO BROKEN WITH

Code	From		To		Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34	35	
												FOLIATION AT 80° - MINOR WHITE VEIN QUARTZ
	1818	4	1818	9							13	GRADE H.
												GREY QUARTZ (?) WITH BANES PYRITE (20%) SPHALERITE (10%) GALENA (6%) - SULPHIDES DISSEMINATED MAINLY // S2 FOLIATION (65°) PARTLY PHYLITIC + MUSCOVITE CHLORITE - FAIR CORING + MODERATE TO STRONG JOINTING
	1818	9	1819	6							14	ZG GRADE H/V
												AS ABOVE + 35% DISC PYRITE LEACHED AND VUGGY MAINLY ALONG FRACTURES FAIR CORING PARTLY BROKEN LOWER CONTACT 52°
	1819	6	1819	8							17	1712 FAULT GRADE W
												PALE GREEN FAULT GOUGE
	1819	8	1912	3							1210	ZPG GRADE W/L
												PALE TO DARK GREY MUSCOVITE QUARTZ CHLORITE PHYLITIC SILICIFIED (PALE GREY) (70%) IN PATCHES; MINOR WHITE QUARTZ VEINING SILICEOUS PATCHES (25%) ZNS (3%) PYRITE (5%) GALENA (1%) FOLIATION 68° - FAIR/GOOD CORING BUT WELL JOINTED
	1912	3	1919	3							1512	ZPG GRADE L/W
												PALE GREEN ALTERED PHYLITIC WEAKLY TO STRONGLY SILICIFIED + FINE GRAINED PYRITE (4%) SPHALERITE (2%) GALENA (1%) - TALCOSE - MAINLY MODERATE OR GOOD CORING WITH MINOR BROKEN SECTION

ASSAY LOG (SAMPLER'S COPY)

Date AP 20/91 Sampled by _____

CODE	FROM		TO		SAMPLE				INTR.	REC (m)	UNIT		DESCRIPTION	
	1	10	14	16	20	22	26	28	30	32	34	36		40
		1315		1317					12		11			
		1317		1318					11		11			
		1318		1319										
		1417		1419					12		12			
		1419		1511					11		11			
		1511		1512					11		11			
		1512		1514					11		11			
		1514		1515					11		11			
		1515		1516					11		11			
		1516		1518					11		11			
		1518		1519					11		11			
		1519		1610					10		10			
		1610		1611					10		10			
		1611		1613					11		11			
		1613		1615					12		12			
		1615		1617					12		12			
		1617		1617					10		10			
		1715		1716					10		10			
		1716		1718					11		11			
		1718		1811					13		10			
		1811		1813					11		11			
		1813		1815					11		11			
		1815		1816					11		11			
		1816		1818					12		11			
		1818		1819					11		11			
		1819		1911					11		11			
		1911		1912					11		11			
		1912		1913					11		11			
		1913		1915					11		11			
		1915		1916					11		11			
		1916		1917					11		11			
		1917		1919					11		11			

COPY

EOH.

Code	From	To	Feature	SYM	S ₀		S ₁		S ₂		Description			
					Dip	Direct.	Dip	Direct.	Dip	Direct.				
	10	14	16	20	22	24	26	28	32	34	38	40	44	
			1310	P1S12								612		IN PHYLITES
			1312	P1S12								612		"
			1313	P1S12								512		"
			1314	P1S12								713		"
			1319	P1S12								511		"
			1414	P1S12								711		"
			1418	P1S12								617		"
			1512	P1S12								614		"
			1513											FOLDS IN BARITIC ORE ± 3°
			1514											FOLD N08E
			1515	P1S12								814		
			1519	P1S12								314		
			1612	P1S12								511		BANDING IN BARITIC ORE
			1615	P1S12								615		
			1616	P1S12								618		66.5-66.7 S1 FOLDING
														AXIAL PLANE // S2 FOLIATION
			1619	P1S12								619		
			1710	P1S12								710		CONTACT ALSO
			1714	P1S12								710		
			1715	P1S12								715		IN BARITIC ORE
			1812	P1S12								813		IN SILICIFEROUS ORE
			1815	P1S12								619		ALSO CONTACT.
			1912	P1S12								618		
			1916	P1S12								619		
			11011	P1S12								511		
			11014	P1S12								618		

