

Code	From	To	Recov.	No.	Unit	Description
	10	14 16	20 22 24	26 28 30	34 35	
	0.0	3.7			82	Casing
	3.7	9.6			82	Overburden - no recovery
	9.6	22.9			20	g ± → 30 Dark gray locally black non-calcareous phyllite is generally crushed with sporadic gouge. Recovery is very poor. Crushed nature and poor recovery create problems in determining the 20g vs. 30 rock type ratio.
	22.9	24.7			7	X H Very poor recovery → minimum thickness recorded. Dark purple brown, very strongly broken interval is strongly mineralized barite and has very poor recovery (25-30cm of rubble). Most of mineralized rubble exists between depth markers 22.9 and 24.7m, minor rubble exists above and below these blocks. Recovery of adjacent intervals are also very poor. Thickness quoted is the minimum thickness. Estimated grade is >10%
	24.7	31.5			20	(72) 98:02 Medium gray, non-calcareous phyllite is silty, very strongly broken and hosts 2% gouge occurring as coatings on S <sub>h</sub> structures. Rock is moderately salt, and has fair to good

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1	10	14 16	20 22 24	26 28 30	34 35	
						recovery. Upper contact is cased, lower contact sharp and parallel $S_2$
	36.5	42.2	2		20	$\pm 2s$ (20:47) 73:25:02
						Medium gray, noncalcareous $PS_2$ foliated phyllite is very strongly broken, commonly crushed with very minor gage. Interval hosts 25-30% 1-2cm wisps and 20-60cm bands of moderately chloritized phyllite scattered throughout. Minor sericite occurs at 42.0 - 42.2. Interval also hosts 2-3% 1-5mm $\rightarrow$ 1.0cm wisps and bands of unit 47 scattered through. All interval contacts are sharp and typically parallel $S_2$ . Rocks are moderately sd, very strongly broken and generally has good to fair recovery. Upper and lower contacts are sharp and $\parallel S_2$
	42.2	60.2	1		20	(72:47) 89:10:01
						Medium gray, noncalcareous phyllite is generally $PS_2$ foliated but locally, somewhat well developed. $CS_2$ fabric. Unit contains trace-1% cm-scale bands of Unit 47 scattered throughout. Rock is slightly sd, only moderately broken and has good recovery. Interval supports a moderately to strongly broken interval with gage bearing structures at 55.6 - 57.7. Upper and lower contacts of interval are sharp and parallel $S_2$

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	24	26	28	30	34	35	
	60.1	61.5			5	±wH (20g : 30g)	96 : 02 : 02				
						Brassy yellow locally slightly purple, noncalcareous massive sulphides consist of 70-80% pyrite and 10-15% sph + Ga mineralization. Rock also hosts 0-1% lens clots of dolomite. Unit is crudely banded parallel S <sub>1</sub> . Rock is hard, slightly brittle and has good recovery. Upper contact is sharp, parallel S <sub>2</sub> and is noted by 5cm of silicified non-mineralized 20 and same at unit 30 below the non-carbonaceous phyllite. Lower contact is sharp and // S <sub>2</sub> . Estimated grade is 10-12%.					
	61.5	64.0			2	M					
						Dark gray, noncalcareous; strongly silicified carbonaceous quartzite is moderately to strongly mineralized with a moderately well defined ribbon banding fabric. Mineralization generally follows S <sub>2</sub> in bands 2-4m wide. Fair to well preserved C <sub>3</sub> fabric is common. Unit is strongly silicified throughout. Rock is hard moderately to locally strongly broken with good recovery throughout. Upper and lower contacts are sharp and parallel S <sub>2</sub> .					
	64.0	65.2			30	P±g (47)	98 : 02				
						Dark gray locally black, noncalcareous carbonaceous phyllite is generally strongly P <sub>S</sub> foliated, hosts very sporadic very weak silicification. Mineralization is limited to 1-3% disseminated stringers of P <sub>S</sub> traces S <sub>2</sub> . Rock is slightly					

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	10	14	16	20	22 24	26 28 30	34 35
							Soft moderately broken and has good recovery. Upper and lower contacts are sharp and // S <sub>2</sub>
							Upper contact is marked by an 8cm band of unit 47 which has been sporadically silicified; silicification trends // S <sub>2</sub>
	65.2	66.8			30	gg. PZ L→N ± → 2L (8M) 99:01	
							Dark gray to black non-calcareous very strongly silicified carbonaceous phylite hosts weak very local Spk mineralization in 1-2mm bands // S <sub>2</sub> . Pyrite is fairly common (2-3%) and occurs throughout as wisp also trending // S <sub>2</sub> . Locally unit appears to resemble carbonaceous quartzite with a weak display of ribbon banding and only weak rarely moderate mineralization. Rock is hard, slightly to moderately broken and has good recovery throughout. Interval supports a 2-3cm band of P <sub>1</sub> dominated mineralization at 65.25. All contacts are very sharp and // S <sub>2</sub>
	66.8	67.6			A <sub>1</sub>	N→L (→5)	
							Massive sulphide bands generally brassy yellow and contains 55-60% massive pyrite within a very siliceous matrix. Banding is very coarse at base and generally displays a very weak breccia texture with a siliceous matrix. PZ <sub>2</sub> mineralization is not noted. Rock is

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1	10	14	16	20	22 24 26 28 30	34 35
						hard, slightly broken and has good recovery. Upper and lower contacts are sharp and //S <sub>2</sub>
	67.4	68.5			30	g P N Very dark gray to black, noncalcareous, moderately to strongly silicified carbonaceous phyllite an irregular S <sub>1</sub> fabric which gently waves down the core axis. S <sub>2</sub> is extremely poorly developed and is generally absent. Unit hosts 10-15% clotted and disseminated pyrite throughout. Unit lacks any sign of PbZn mineralization. Rock is hard, slightly broken and has good recovery. Upper and lower contacts are sharp and //S <sub>2</sub>
	68.5	69.0			30	gg PZ L → 2L (4L → 5L) 60:40 Dark gray to black, noncalcareous, strongly to moderately silicified unit that hosts weak to moderate PbZn mineralization, lacks ribbon banding and has a slight phyllitic component. Interval hosts a 20cm band of semi massive Py dominated sulphides at the upper contact. Semi massive sulphides lack any notable PbZn within a 55-60% highly silicious composition. All units are hard, moderately broken and have good recovery. All contacts are sharp and //S <sub>2</sub> ; Although lower contact is marked by a 25cm hill quartz vein that crosses S <sub>2</sub> . Estimated

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1	10	14	16	20	22 24 26 28 30	34 35	
							grade is 2-3%.
	69.0	71.2			30	(74) 70:30	Dark gray to black, noncalcareous, graphitic phyllite is strongly broken, locally crushed, with sporadic gouge. Rock is slightly soft and has good recovery. Upper contact is sharp and noted by a 2cm quartz vein which crosses $S_2$ . Lower contact is sharp and parallel $S_2$ .
	71.2	72.4			30	g 2:P L (20#l → 44##l) 98:02	Dark gray to black, noncalcareous, graphitic phyllite is uniformly weakly siliceous and has 12% $S_1$ occurring as 1-1.5mm disseminated stringers, tracing $S_2$ and also tracing the well defined $CS_2$ fabric ( $S_1$ ). No sign of ribbon is even attempted by unit, and a very high phyllitic component is noted. Pyrite is very rare + showed has a 10cm band of strongly altered rock which is medium to light green, $CS_2$ foliated weakly to moderately chloritic and is in sharp contact // $S_2$ with graphitic phyllite @ 71.7m. Upper and lower contacts are sharp and // $S_2$ . Estimated grade is 22%.

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
	72.4		96.5				30	(20 <sup>th</sup> l → 44 <sup>th</sup> l) 90:10 Dark gray to black non-calcareous non-silicified graphitic phyllite is strongly broken, generally S <sub>2</sub> foliated and hosts 10% dm scale medium to light green non-calcareous bands. Bands are in sharp contact with graphitic phyllite, are S <sub>2</sub> foliated and sporadically contains a possible igneous texture (?). Interval contacts are sharp and vary from parallel S <sub>2</sub> to S <sub>1</sub> . Recovery is good throughout. Upper and lower contacts are sharp and // S <sub>2</sub> .		
	76.5		84.1				20	±g (47) 98:02 Medium gray, locally slightly dark gray, S <sub>2</sub> foliated phyllite is locally slightly carbonaceous. Rock is strongly broken locally crushed with minor gouge. Rock is moderately silt and has good recovery. Interval hosts 2% cm to dm scale bands of medium to light green, locally olive green bands which are in sharp contact with gray phyllite. All contacts are sharp and // S <sub>2</sub> .		
			84.1					Foliated		

(G)

Logged by J. Zickert

ASSAY LOG (SAMPLER'S COPY)

Date Mar '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	42	
	10.	12.												WASTE
	12.	14.			64	22	9		0.					Uncertain <sup>min</sup> ore zone - poss. sec. abn. color
	14.	16.												Waste
	16.	17.			12	30			1.					# (20gg : 30 1gg) 96:02:02
	17.	18.			12	31			2.					
	18.	19.			12	32								
	19.	20.			12	33								gg PZ L→N → 2L (8m) 99:01
	20.	21.			12	34								N→L → 5
	21.	22.			12	35								g P N
	22.	23.			12	36								gg PZ L→2L (4L→5L) 60:40
	23.	24.			12	37								(74) 70:30
	24.	25.			64	23	8							g Z ± P (20" L → 44" L) 98:02
	25.	26.												Waste
	26.	27.												EOL

Code	From		To		Feature	E S <sub>1</sub>	S <sub>2</sub> Dip Direct.				Description				
	10	14	16	20			22	24	26	28		32	34	38	40
			91.	8	PS2				165				55		
			291.	4	PS2								67		
			331.	7	PS2								66		
			371.	8	PS2								78		
			441.	6	CS2 S			136	30	313			65		
			461.	5	CS2 Z				14	095			62		
			551.	7	CS2 S			120	25	321			59		
			621.	2	AS2								49		No credible CS <sub>2</sub> available
			651.	4	CS2 S				16	312			52		
			711.	4	CS2 S			121	15	084			72		
			771.	2	PS2								78		
			801.	3	PS2								60		

Code	FROM		TO (At)		Feature	REG	UPPER Dip Direct.		INTERNAL Dip Direct.		LOWER Dip Direct.		Description	
	1	10	14	16			20	22	24	26	28	32		34
		101	102	191										9/3
		91	5	129										Strongly broken, sporadically crushed, v.p. recovery.
		129	2	42										Strongly broken 1/5, gouge coating common
		55	6	157				56	110	111	320	44	340	Gouge supported brecciated rarely gas crushed.
		169	2	176										Strongly broken 1/5, rare crushed and gouge bands <10cm
				184										EOH.



