

Lithologic Log

Code	From	To	Foot	Recov.	No.	logged as Unit	Description				
1	10	14	16	20	22	24	26	28	30	34	35
			225		2	4A0	excellent				
			291		3	4A0	a bit more rich - might get called 4L4 by some.				
			308		4	4A1 ph	really is 4C5 - med shaly grey folia - could be a thin wall r				
			328		5	4L4	→ 4C7 = * - more bearing paper folia - lt beige - similar color to 5D4X				
			397		6	4A3	reasonable 4A - a bit light but ok - grey fg siliceous				
			446		10	4A0	excellent 4A - sample is 4A3 good dark folia				
			489		11	4D4	- could be 4J bxa with some 5D4X textures				
			172				} samples are good 4A too light on Chitok = low S =				
			212								
			231				silphide poor but fair 4A → 5A19				
			252				good 4A0 with grey fg siliceous				
			279				good 4A0 " " "				
			293				looks like 4045				
			312				4C5 - v. lt grey silvery folia				
			352				4L071[49] - lift to examine folia. more rich				
			391				4C0 → 4D0 - minor v. lt grey → white folia				
			412				4C0 → 4C5?? - v. lt grey silvery folia				
			459				4A3 → 4A43 black folia. good 4A				
			477				4C5 + * med grey folia				
			491				hard line 4A v. dk grey folia but poor sample				

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	10	14	16	20				
						8	4A0	- no way - has vlt grey silvery folia to off white folia - this is 4C0 with about much but still ok musc 4C5 lt silvery grey folia
			194					
			186					
						10	4C0	ok vlt to silvery grey folia 4C0 vlt grey to off white folia.
			244					
			260					4C5 med dk grey folia - has a 4A texture but grey layers very pelitic not siliceous - too light for 4A0 - good py rich layers
			284					
								dk med grey folia - not a siliceous rich rock but has sparse gtz/py layers (= stringers??)
						11	4A0	not good 4A0 - I would be tempted to call this SB6192
								last 3 rocks all same unit - not good 4A exhalative or anything exhalative - could easily be altered and "stringered" small rocks - compare favorably with host rocks adjacent to core section in fabric and carbon content
						17	4A0	fine - good siliceous bearing grey folia excellent 4A0 - could be type example
			370					
			303					4A4 - just fine - vlt grey - black folia
						18	4A3	good good 4A4
			409					
			429					excellent 4A0 - well banded with good fg grey siliceous layers.
						19	4CE	could be called 4C8 - banded gtz/mass py int rx.
			450					rocks like high grade banded (birdshot) in 4A
						20	4DA	- the specimen is good 4A4 pyritic (2cm massive) banded in 4A.
			467					

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Core	From		To		Recov.	No.	Logged Unit	Description
	10	14	16	20				
			16P5	19		39A	H1L14	ok bit borderline to 4C0 more or less rich
								off white folia - very siliceous but scatehable - has "distributed" mica defining S <sub>1</sub>
			16P6			39B	H1L1	ok, off white folia like 4K but siliceous <sup>microscopic</sup>
			16P10			4P	4A0	too light folia for 4A0 but worse things have been called 4A0 - could easily be silicified 369 - some evidence that gte py band is discordant to comp layering in rock but ? abt.
								369146 too dark for good 4C5
			16P12			41	4CP	[4L1] similar to 39A and 39B ok as logged - this is a fence with need to get convinced whether its ok or wall rock - v.v. lt grey to off white folia v.g. to rich with several <del>30</del> dissemin to s.l. finely banded py - has distributed mica non schistic bit ok.
			16P16			42	5DH	(illegible) v.v. lt grey folia very siliceous
			16P19			43	H1L1	Similar to 39A etc - again can't call it could be easily altered wall rx. in agree with logger or called 41.2 50-py
			16P55			44	4A0	Very banded - one folia dk mud py another is dk grey has ribbon banded texture - not the best 4A but ok - not impossible as silicif. wall rx.
			16P6			45	4L1	has lt grey folia quite siliceous but powdery drab kly - diss py dom. sulfides - no banding on scale of 1" long sample. 36146 → 4L1 could even approach 4C5 - a grey rock in various ways than one.

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Code	From		To		Recov.	No.	Unit	Description
	10	14	16	20				
			645			76	4A13	Very dark grey → black folia. not had 4A at least not that different from whats called 4A by us in many spots - has the usual problems in that gtz py bands could be stringers but to doubt this means you doubt all 4A would call the sample 4A0 however.
			680			Pi	4A4	4A34 - good massive s <sup>2</sup> bands. limited variation in s <sup>2</sup> band amp. looks like reasonable oxalites.
	1668		1673	S				this rock is a dark grey siliceous phyllite, with minor disseminated sphal <sup>s</sup> with <sup>minor</sup> pyrite - sphal bands/stringers would call this 36916 zns
	1768		1769					360±9 "calc silicate" - has po gte stringers and po stringer along s <sub>2</sub> rx are decidedly non calc <del>but</del> have minor 3B3 bio layers as is typical for unit - happens to be identical to rx at 150 m in U168 and about 10,000 other feet in 100 other holes.

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Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
				455						1	4C0	ok but better called 4C3
				459						2	4A3	looks good
				461						3	4D4	ok but maybe ±5
				466						4	4C0	OK well banded py/abz rock ~30% py
				470						5	4A3	ok has good fg grey silica - dk grey folia + mass py bands fair exhalite.
				472						6	4A4	has white folia well banded 4D4 - similar to 4D margins to SD4 in quartz cap - this piece is half SD4*!
				476						6	4A4	±3 rocks good as 4A and as exhalite
	497			514								looks like silicified wall rock (36) has the abz py bands (stringers?) would call 3G16±9 has a pseudo ribbon banded texture and some parts not too awful as 4A0
				514						8	4A1	looks like above unit so could call 3G16±9 - hard to call not good 4A -
				522								4E0 → 4E4
				533						9	4L2	very hard - 4L2 or 4C0 again a borderline rock hard to get consistent is part of sandy dom exhalites or silicified bleached wall rx.
				538						10	4A1	±3 (4D0) very siliceous dk grey folia not too bad as 4A
				553						11	SD4*	<del>5A</del> Exhalite ok.
				554						12	4A1	±4 - 4A0±4 good dark grey folia
				558						13	4L0	OK
				577						14	4A1	±4 quite siliceous med grey folia semi banded - fairly uniform distrib. of silica s <sup>2</sup> and mica. - doesn't look good as exhalite could call 3G16 w/ 6-8% siliceous > py

see ms. 7.1a ex.

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Code	From		To at	Recov.	No.	Unit	Description
	10	14					
			680				very wispy washy - 4CS or 4DS ambiguous as to whether exhalative or wall ex very siliceous - has beauty dissem bands of S <sup>rich</sup> with some comp variation.
			681				dk grey folia v. siliceous - has S <sup>rich</sup> bands - 4DS - like above.
			691	15	4,045	(4A3)	4D45 sounds good.
			718	16	4,40	(504*)	OK
			729	17	4A4		poor sample - micro brecciated. siliceous dk grey - hard to cull.
			763	18	4A1	±3±4	OK
			779	19	4A1,4		would call 4A4 - has good Fg my gtrase bands - not a band exhalite.
			795	21	4A1,1A		has fine gtr py bands - could be strippers in silicified wall rock - has mud to dark mud grey folia.

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	10	14	16	20				
			28	31				poor sample but good as 4A3
						1	4L1	too grey for 4L is it 3G4 no s = has lustrous med - lamed grey foliar
						2	4A1	not 4A by any stretch of imagination - 17 - med grey siliceous phy with minor S = could best be called 3G1 [5B619]
						3	4L1	v. lt grey → 0.5% white folia - gtz musc phyllite - OK as 4L1 could be called 4B or 4C almost + 5 but not grey enough.
						4	4A1	not 4A best called 3G1 minor 6 = 2ns no py med grey folia - looks A S-like altered wall rock.
						5	4A1 [4D0]	problem rock lt grey folia very siliceous with dissem → banded 2ns 4C or 4D but not quite grey enough 4C5 → fence sitter some question as to whether exhalative or no
						6	4A1	not 4A - better called 4C5 but total over to 3G4K is silicified and veined wall rock - mica distributed through silica layers not well differentiated → silicified ???
						7	4D1	sericitic - about as grey as unit 5 was 4D4 ± 5 not really grey enough for the 5 - not banded - dissem sulphides and mica in gtz musc py sphal gal phyllite which is not banded (on a 1.5" long specimen) it's like unit 6 carried a bit further
						9	4A4	OK perhaps a bit light but ok some fine grey silica but fairly minor

needs  
no  
exhal.  
bit  
light

