

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23	25 27		
L	100	110	01	#	Overburden
L	110	400	02	3G9	6 Medium to dark grey slightly carbonaceous musc. rich phyllite with moderately quartz rich lithons and irregular gtz+act ± po lenses and layers; mixed with light grey to creme coloured musc chl phyllite also with gtz+act ± po layers. A few short sections with up to 30% po ± pyent the largest 9" near 33'
					Gradational or interfingering contact w/ S ₂
L	400	1100	03	3G6	4? Light grey to medium grey locally off white musc rich phyllite (probably generally musc chl gtz phyllite with possible local trace graphite) with $\frac{1}{8}$ " to 1" layers of py+po in gtz ± act gangue. Phyllite layers become increasingly grayer towards 110' due to increased graph or chl. Section averages 5-10% sulphides overall. A few bull quartz veins 100'-110' with minor blkby po and chl selvages & inclusions [70'-97' missing]
					Gradational contact
L	1110	2186	04	3G7	Medium to locally dark grey musc chl ± graph phyllite with thin layers of granular act ± gtz ± trace po [124'-226' missing - no real lithologic change across Break']

Lithologic Log

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
					Gradational Contact
L	12860	13160	05	3G06	Below approx 286' core is lighter colored due to decrease in chl and/or graph in phyllitic component and rocks are richer in po some of which is in the typical po + gte bands and the remainder in actinolitic layers - over all section is similar to 40'-110' but with much less sulphide (< 5% overall) A few gte veins with minor blebby po and chl selvages might be repository for chl component of phyllites
					Gradational Contact
L	13360	13920	06	3G7	medium grey to greenish grey phyllite composed of interlayers of bedded light and medium grey mus+chl+graph? phyllite (color banding due to chl/graph variation) and greenish grey granular act + gte ± tr po layers as above but in thicker and better defined layers. one act bands has several % calcite but most don't freeze. A few po blebs and cubes (pseudomorph after py). Some act poor sections fairly quartzose but still have enough mica to scratch readily last box of core missing?

Swim Lake

Silver Lake

DDH 6451
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Logged By: G.J.

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
	0	11		1	OB
	11	40		2	medium to dark grey slightly carbonaceous ^{musc chl} phyllite with ^{moderately} gtz rich lithons and irregular greenish gtz act ± po lenses & layers and light grey to cream colored musc + chl phyllite also with gtz act ± po layers. A few short sections with up to 30% po + mt particularly 9" near 33'. gradational or interfingering contact w/RT S ₂
	40	110		3	light grey to med grey locally off white musc rich phyllite (generally, musc chl ^{possibly Fe imp} gtz phyllite) with thin (1/8" to 1") layers of py ± po in gtz ± act gangue. Phyllite layers become increasingly greyer towards 110' probably due to increased graph (or chl?) - section averages perhaps 10% ^{sol} 70-97 missing core box #3 a few gtz veins 100-110 with minor blebby po & chl selveges & inclusions Gradational contact
	110	1286		4	medium to locally dark grey musc chl graph phyllite with thin layers of granular act gtz ^{po} ± po 124-226 core ^{boxes} missing - no real change in lithology across break Gradational contact
	1286	1336		5	below 286' core becomes lighter colored due to decrease in chl. graph in phyllitic component and rx are richer in po some of which is in the typical patchy sands other in actinitic layers - overall similar to 40-110' but much less sulphide (< 5%) a few gtz veins with minor blebby po and chl selveges might be repository for dark component of phyllites

64-5-1 samples

- 26.5' med to dk gray carb phy w actitic lenses (unit 2)
- 31' light phyllite with gtz po t act layers (unit 2)
- 46' E. Gold nose in sulphide layer in ~~slender~~ lighter phyllite (unit 3)
- 59 ~~64~~ typical gtz po py sulphide layers (unit 3)
- 72 lighter phyllite grading into unit 4
- 71 gtz vein with chl selve
- 239 carb phyll with actitic layers showing typical $S_1 S_2$ relations ^{unit 4} here
- 236 as above but less carb. Unit 4
- 221 check for pro s, micas
- 390 bedded phyllite unit 6
- 392 calc act + gtz layer unit 6
- 379 one of thicker act layers unit 6
- 389 $\frac{1}{2}$ act layer in bedded phy unit 6
- 370 thin act layers in phyllite
- 359 bedded phy with gtz act layers unit 6

S

64-51

1" = 50'

N



Code	From	To	Unit	Code	Description
1	10	14 16	20	22 23 25 27	
L	10	14 16	20	22 23 25 27	0B
L	130	163	02	3G6	7 Mostly light grey to cream musc chl + tr graph phyllite with coarser lime green chlorite + gtz + po stringers & blotchy masses - rather typical of the crud under swim lake - but not an easy phyllite to give a name - Resembles Bleached phyllite locally and ^{thru} clearly has affinities to the bleached phy with po stringers on section 118 thru swim deposit - several sections of massive po best taken of old Dynasty logs as core is very broken up, ^{po} oxidized - hard to interpret - they seem to be ^{massive} well developed versions of the 7-1/2" po + gtz "stringers" (beds?) particularly common in the ^{cream} phyllites - ~5% po overall ^{massive} Gran + Buff phy ^{best developed} 143-163; ~90-97 but scattered throughout Section - Above 70' core is just a rat's nest of chips can see mass po - cream musc phy & grey musc chl phyll scattered all over.
L	163	195	03	3G8	8 Medium grey musc chl (+graph?) phyllite with a few short light grey with lime green chl + gtz masses & stringers (as above) - ^{med} grey phy generally with ^{lime} green chl + gtz preserved in lithons - a few po + gtz "stringers" but not much po overall - looks like chloritized & po + gtz chl veined "normal" med grey phyllite and not hard to imagine how it might go to smyling rx with increase in "veining" & bleaching - a little zns? at 128' 1-coupl-2 po
L	195	256	04	3G7	7 as unit 2 but no mass po (unless p1 found) a few po + gtz stringers or layers up to 1/2" ~5% po overall.
L		256			EOH (or at least end of available core)

5453

Code	From	To	Unit	Code	Description
1	10	14 16	20	22 23 25 27	
L	00	130	01	#	OB
L	130	1920	02	3G6	Light grey micc chl phyllite with gte chl po stringers locally bleached off white esp where rich in sulphides - above 32' rich in sulphides with some short massive pyrit ^{pyrit} sections sulphides are basically same as rest of section & could be just "fat stringers" - Lt grey phyllite has gte + lime green chl ^{stringers, blotches} & po as in other holes in this area Sulphides have clear porphyroblastic texture & stringers form many O ₂ folds - 5-10' sulph ore!!! 57'-60' grey more calcareous phyllite still with many gte po chl stringers
L	1920	11390	03	3G1	missing core boxes
L	11390	11650	04	3G6	Med grey chl micc graph phyllite with ~ 15% gte chl po stringers along s, = an O ₂ folds 3-5% sulphides
L	11650	12150	05	3G6	as unit 2 ~ 5% sulphides - a couple of py rit nearly massive sections 2-3" thick as above. - fairly siliceous below 200' grades to ^{mic} gte
L	12150	12200	06	3G6	Light section, G po gte chl - hard to make out exactly what it is - could be late metab.
L	12200	12220	07	3G8	same to buff micc chl phy with gte po & gte chl po stringers
L	12220	12490	08	3G0	missing core boxes - might have harbored good sulphides judging from #7

Lithologic Log

Logged By: _____

Code	From	To	Unit	Code	Description
1	10	14 16	20 22 23	25 27	
L	12480	12720	09	367	lt grey phyllite cis unit 1 but with only minor po stringers - similar to unit 4 but lighter grey - lots of ^{fine} green chl + gte but with only minor po - could be interbedded gte chluffs of chl muscovite phyllites but look very similar to other rx that seem altered.
L	12720	12790	10	3679	dark grey more carb version of 9 like 57'-60' #356-361
L	12790	12960	11	3676	as 9 but a little more po in stringers ~5%
L	12960	13100	12	368	very light grey to cream musc rich phyllite with po ^{stip} stringers of layers - like #7
L	13100	13230	13	4E8	very sulphide rich zone with several feet massive py + mt - gte gangue of closely packed gte gte py stringers or thin layers - texturally like 1.66 banded but ^{musc rich} micaceous folia instead of graphitic - interesting that little or no chl in sulph gte stringers & little po - base unit poor 60% py + mt overall lots of carb missing though
L	13230	13260	14	368	medium chl muscovite phyllite with chl gte stringers ~1% po
L	13260	13310	15	000	gte vein
L	13310	14040	16	368	as #9 sulphate poor ~1% po but ~10-20% chl + gte of remainder lt to med grey pelitic chl muscovite ^{minor} phyllite very locally ^{slightly} carbonaceous particularly 356-361 and in last 15' 353-356 particularly light grey gte
					EOH 404

Code	From	To	Unit	Code	Description
L	10 14	16 20	22 23	25 27	Overburden
L	11 10	15 17	00 02	3G7	Mixed medium grey muschl + graph phyllite with irregular gtz act ± po irregular layers and some folded (D ₂) 1/4" gtz po veins or beds? (similar to 6451 at 26.5ft) and light greenish grey phyllite very similar to above but for color - has an altered look to it seems to be musc gtz + chl (trigraph?) phyllite with gtz act ± po lenses as above - section overall has perhaps 1-2% po none massive - some gtz act layers also carry several % calcite. The taken rock types seem to be gradational, but relations poorly displayed as core is very broken. - Arbitrary of gradational contact -
L	15 17	11 11	00 03	3G7	light greenish grey phyllite exactly as above (just wider section) with greenish irregular granular gtz act (chl?) masses (pre D ₂) as above commonly with po. About 1-3% po overall with no massive sections mostly in po D ₂ veins with lesser dissemination - core locally fairly quartz rich but always with some amount of mica. Rocks have distinct altered look to them hard to describe
Gradational contact					
L	11 11	11 32	00 04	3G7	darker grey more normal phyllite still with greenish act gtz layers but more planar & regular practically no po except for a few < blebs. - (rx very similar to 6 below)
L	11 32	11 60	00 05	3G0	(struck) lighter grey altered looking rx - musc gtz chl phyllite with only very minor po and less gtz act rx than unit 3 but similar

Lithologic Log

WSS

Code	From	To	Unit	Code	Description
	10 14 16	20 22 23 25 27			
L	100	190	01	#	eb
L	190	375	02	3G0	Medium to light grey phyllite with abdt gte chl minor po lithons & stringers - a little carbonaceous clay but only minor < 1% po
L	375	420	03	3J1B	st green chl gte
L	420	725	04	3GJ	Med to lt grey pelitic phyllite with H-greenish gte + chl lithons & layers locally so close spaced that rock → gte - might be original compositional feature - also scattered colored gte chl po stringers < 1% po
L	725	920	05	3GA	cream to buff micaceous chl phyllite resembles bleached phyllite - many gte chl po stringers scattered throughout several per " few % po overall
L	920	1900	06	3G6	Fairly uniform light grey phyllite with abundant green gte chl po & gte po chl stringers ~ 5% po overall 115-150 early gte rich & light colored
L	1900	2100	07	3G6	By ~ 1900' becomes much greyer & a little carbonaceous but still has interbands & lithons of gte chl ± po rx and gte chl po stringers only couple % po
					EOH is end of available core. 210'