





















Feature

Bedding  Shearing 
 Foliation  Fault 
 Fragment  Vein 
 size & shape  c carbonate
 q quartz

Mineralization

Trace 1-5%
 Common 5-15%
 Abundant 15-60%
 Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
.5	50.3	<u>FAULT ZONE?</u> - Broken core & pug.							Py 1-2 f.g. & veins
3.0	51.5	The grey quartzite laminae which reflect bedding are generally strongly contorted & broken. Due to 1) soft sed deformation and/or 2) transposition during isoclinal D1 or breaking up during later deformation.						52.4 53.0 54.0 54.1	1cm py vein 60° C.A. 5cm py 20 veins 11cm 50° C.A. Py trace. 10cm py 40 veins 50° C.A.
.5	55							55	Py rare.
3.0	55							55.65 55.95	Py 30 veins assoc. w. brecc. 70° C.A.
3.0	60	S1/S0 - 45° to C.A.						60	Py rare
.1	63.8	<u>FAULT ZONE</u> broken core & pug.							
.8	65							65	
2.0	65.1							66.4	1cm Gn 60 py 40 vein 60° C.A.
3.0	68.4	<u>Lt. grey f.g. quartzite</u> - massive Qtzite; ess. lge interbed in QS.							
	69.2							70	
3.0	70							70	
3.0	73.9	<u>FAULT</u> - pug 45° C.A.						73.9 74.0	10cm py 10 Gn 10 vein assoc. w. sil.
	75							75	

Feature

Bedding



Shearing



Foliation



Fault



Fragment



size B shape

Vein



c carbonate
q quartz

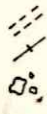
Mineralization

Trace 1-5%
Common 5-15%
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Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON ABUNDANT MASSIVE	DEPTH m	MINERALIZATION
		Lithology - as above - med grey to black shale with fragments & (contorted) beds of H. grey f.g. quartzite. - QS.				
	3.0					
	8.0	S. / S. in this 25m interval is commonly 45-60° to c.A.				
	3.0					
	8.0					
	3.0	FAULT - broken core - 70° c.A.			83.3	
	8.0				85	
	3.0	FAULT - broken core - 60° c.A.			86.0	
	8.0				90	
	3.0					
	9.0					
	90.8	LT. grey massive f.g. micaceous quartzite essentially a thick interbed. in QS				
	91.45	QS - as previously				
	3.0					
	9.0					
	95	FAULT - pug - 80° to c.A.			94.5	3cm Py 99 cur tr. vein assoc. w. sid.
	3.0				94.8	
	9.0				95	
	3.0					
	9.0					
	96.0	FAULT - pug - 60° to c.A.			95.8	Py 5. cg. assoc. w. sid veins.
	3.0				96.0	
	9.0					
	97.4				97.4	10cm Py vein 60° c.A. Tr. lt. green sericite.
	2.7					Py 1-2 (10) f.g. & rimlet.
	100				100	

Feature

Bedding
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size B shape



Shearing
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CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
.9	100.1	<u>FAULT ZONE</u> - Broken core & pug.							Py as above
	101.2							101.3 101.5	Py 40 vein
2.0	102.35 102.65	<u>FAULT ZONE</u> - Pug 70° to c.A. Lithology - as above - Lt. grey to black shale w. (contorted) interbeds and fragments of lt. grey (micaceous) quartzite.							Py 2-3 (10) f.g. & veins
	105							105 105.3	10 cm py ten. 50° c.A.
	108.4 108.7	<u>FAULT</u> - pug - 60° to c.A. <u>FAULT ZONE</u> - broken core - ?° to c.A.						108.0 108.9	Py 1-2 f.g. & veins
	110							110 110.15 110.6 110.9	Py 20-30 f.g. & veinlets oriented roughly 30-35° to c.A. Earlier qtz. veining episode? Minus veins > 1cm thick. Py 30-40 f.g. & c.g. in veins and 2-3cm 60° to c.A. 5cm 50/0° c.g. in massive Py. Tr. Marcasite? or Argy? Py 20-30 veinlets & f.g. in QS.
	112.9 113.2	<u>Lt. grey f.g. quartzite</u> - thick interbed. Lithology - as above - QS.						111.4 111.7	Py 1-2 veinlets of f.g.
	115								Py rare
	120							118.7 119.0	2cm py vein 45° to c.A. 10cm py 40 veins on 5 c.g. in py.
	124.4 124.9 125	<u>Lt. grey f.g. micaceous quartzite</u>						120 121.7 125	Py 1-2 f.g. & veinlets + Gr. in py veinlets. Py rare.

Nq
Bq

Feature

Bedding		Shearing	
Foliation		Fault	
Fragment size & shape		Vein	

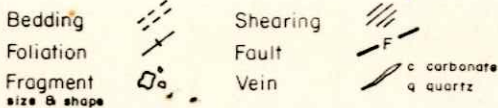
c carbonate
q quartz

Mineralization

Trace	1-5%
Common	5-15%
Abundant	15-60%
Massive	> 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		Lithology - as above - med gray to black siltstone-shale with (contorted & def.) lt. grey f.g. quartz interbeds > fragments. - QS.						150.2	
								150.7	1m py vein 50° c.A.
								151.4	1m py vein 45° c.A.
								151.5	
	152.0	----- <u>FAULT?</u> - broken core - ?° c.A.						151.9	
3.0		lt. grey f.g. micaceous quartzite - a massive rock. essentially thick quartz interbed.						153.1	Py 3-5 (10) f.g. = blebs & veinlets
	153.6	----- <u>FAULT ZONE</u> - broken core ?° to c.A.							
	154.0	Lithology - typical QS to 157.5m							
	155							155	
3.0									Py trace as rare thin veinlets.
	157.5	----- <u>Med grey weakly bedded siltstone w. minor lt. grey f.g. quartzite. laminae</u>							
3.0		Interval is far more uniform than typical QS. - essentially a homogeneous siltstone. Only local development of the interbedded shale > quartzite occur.							
	160							160	
3.0									
	162							162.55	Py 40-50 blebs to 5cm assoc. w. sid
								162.85	Py 3-5 veinlets
								163.3	
								163.7	2m py vein 50° c.A.
3.0	165							165	
		1662 - D ₁ fold pair.							
3.0									
	169.7	----- <u>lt. grey f.g. micaceous quartzite - interval contains minor shale bands => bedding ~ 50° to c.A.</u>						170	
3.0		Lithology - typical QS as above.							
	171.3								
	172.75	----- <u>FAULT ZONE</u> - plug & broken core 60° to 90° to c.A.							
2.3									
	174.5								
8	175							175	

Feature



Mineralization

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Abundant 15-60%
Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m	MINERALIZATION
				TRACE	COMMON	ABUNDANT		
							300.0	
3.0	201.1	Lithology - QS as above					200.35 200.50	2cm py - ser. vein - 45° c.a. Py 3-5 v. f.g. 45° to c.a. 15cm py sid of vein. Py 30 cm 2-3. Py 2-3 veinlet, f.g. & bedded?
		Lt. grey green to med. grey fine lithic tuff & minor agglomerate. Conformable contact w. QS above. Rock has strong fabric def. by p.o. of flattened frag. Interstitial shows evidence of rep. by pyrite locally. Vesicles may be filled by py. & the rock may contain f.g. Flecks & blebs of py. 203.15- FAULT - Pug 80° to c.a.					201.1 202.7 203.5	Py 3-5 (30) f.g. flecks & blebs & filling vesicles - replacing volc? Py 15-20 (50) f.g. - blebs & veinlets (stockwork)
3.0	203.5	Dk. grey to black silicic & pyritic mudstone - extensively veined. A dark (bedded) mudstone with wispy bands and clots of bedded? v.f.g. py. The upper 1/2 of the interval is strongly veined by py veins. Bedding where evident is 45-60° to c.a.					205	Py 50 (90-100) f.g. flecks but mainly vein. Locally veins are py / qtz.
		From 205.4 - 207.65 the core is strongly fractured with very irregular fracture surfaces. This fracturing corresponds with a decrease in veining.					205.4	Py 5-10 veins - gen unoriented.
2.9	207.65	Pyritic siliceous rock - An extensively silicified and locally much qtz veined rock - originally a siltstone? Veining is extensive enough locally to form a breccia. Pyrite is not intimately associated with the silica but occurs as f.g. to c.g. diss & aggregates of xtals & as veinlets gen not assoc w. qtz. Feeder??					207.65 207.8	Py 15 f.g. & veinlet. Py 30-40 f.g. to c.g. diss. but more common as aggregates of c.g. Minor veinlet.
2.8	210	FAULT ZONE? - Zone of pug & very broken core. Interval contains m.to.c. xtal py. - rextal. bedded?					210 210.25 210.65	Py 90-100 massive f.g. (8cm cm 50 cpy 15 sid. 35) Replaced rock? Py 40-50 m.g. rex? - py. mudstone.
		Interbedded lt. grey chert & brown silicic pyritic mudstone Extremely well bedded interval. So constant at 20° to c.a. Interlaminate chert & mudstone on the scale of 1-10 cm. 216.0m younging up hole from dropped pebble. Minor component of siltstone & pyritic fragments. Framboidal pyrite common in py. mudstone.					212.4 214.1 215	Py 10-15 v.f.g. bedded. Py 30-40 v.f.g. bedded & framboids
3.0	216.25	216.25-227.0m Pyrite - Qtz - Siderite rock - replacement min. f.g to c.g. pyrite (pyro) replacing originally dolomitic? rocks with minor unmineralised pyritic mudstone. Bulk of the interval is c. xtaline pyrite (aw. >60%) with white to black chalcocenic silica and gen. c. xtaline cream to grey siderite. In gen. sid > qtz. Relict bedding is common esp. in areas of less c. xtaline pyrite. Locally v.f.g. unmineralised py. mudstone occurs conformably next to c. xtaline py-qtz-sid rock with relict bedding. Rare blebs of lt. green sericite occur.					217.6 217.8 218.6 220 221.0 221.3	Py 40-50 f.g. to c.g. replacement min. & minor v.f.g. bedded. Py 35-40 v.f.g. bedded - tr. f.g. rep? Py 45-50 f.g. to c.g. diss & clusters of c.g. Py 50-70 f.g. to c.g. diss. relict bedding & stylonites? Py 20 c.g. in silicic rock - trace flour. Py 60-70 (100) f.g. to c.g. c.g. gen. as clusters of xtals 80-100%. f.g. gen. as diss. of <80% in dr. grey silicic rock.
		223.9-10cm qtz veins. - 70° c.a. Solution cavities common from 223.8 to 225.0m. Esp 224.0 - 224.8 (20%)					223.85 224.0 224.8 225	Py 20 f.g. - c.g. diss. & flecks & blebs. Py 75 massive f.g. aggreg. qtz 5% as blebs & veins & soln. cavities 20% Py 70-80 f.g. diss & aggreg & c.g.
3.0	225							

Feature

Bedding  Shearing 

Foliation  Fault 

Fragment  Vein 

size & shape

c carbonate
q quartz

Mineralization

Trace 1-5%

Common 5-15%

Abundant 15-60%

Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		Lithology - as above - replaced carbonate rock - dolomite?						225.4	aggreg. Pyroh. - 1-2 f.g. masses. + tr. cassiterite.
								226.0	Py 20-30 f.g. to c.g. diss. & aggreg. in highly siliceous rock. 1-2 Pyroh.
								226.6	Py 70-80 f.g. to c.g. diss aggreg in siderite Qtz rock. + tr. soln cavities.
	227.0	dk grey to black shale - bedded 70° to c.A.						227.0	Pyroh 30-40 Py 30-40 f.g. to c.g. diss & aggreg. 2-3% soln cavities.
2.2	227.15	Replaced buffaceous shale? - pyritic & pyrohotite rich silicic						227.15	Py 20-30 f.g. diss & aggreg.
	227.55	Replaced transitional rock.						227.55	Py 50-60 f.g. & aggreg. Pyroh. 3-5 aggreg. Tr. cassit.
		Pyritic Volcanics - Lt. grey sericitic lithic tuff containing f.g. diss. to massive pyrite & pyrohotite. The rock is strongly silicified to approx 229 m. For the remainder of the interval volcs. are very carbonate (siderite?) rich.							Py 10-20 f.g. diss & f.g. aggreg. Pyroh 15-30 (40) gen more common than py. as f.g. diss & f.g. aggreg. Tot. sulphide gen. 0-50%. Tr. Fluorite. Cassite observable as v.f.g.
	230	Extremely pyritic zones gen. containing soln. cavities with sharp margins at 40-45° to c.A. occur. These may be small feeders for the more gen. replacement min. Occur at 230.4-5m						230	
3.0	230.7-10cm	230.9 - 25cm.						230.35	Py 60-70 as Py 80, cavity 20 "feeders" & Py v.f.g. 10 pyroh. rep. volcs as f.g. bet "feeders". 10% soln cavities over interval.
	232.3	Rich mineralization and sharply at 232.3 possibly against a fracture 5° to c.A.						231.05	Py 30-40 f.g. diss, f.g. aggreg., flecks & blebs. Tr. pyroh. as f.g. Tr. Fluor.
	232.3	230.6 - 231.05m - 20% soln. cavities						232.3	
		Lt. grey green sericitic							Py 2-3 (15) f.g. diss. & rare veinlets.
3.0		Pyrite - pyrohotite is no longer a major component of the rock. The volcanics to 236.8m are extremely carbonate rich (siderite?). The carbonate is mainly Jossoc. as the matrix of the volcs. (see below) whilst the frag. are more sericitic (locally carbonate rich) and a darker green than the mainly cream matrix.							Pyroh. 2-5 (10) f.g. dissem. Total sulphide 3-5 (15).
	235							235	
3.0	236.8	Below 236.8 the volcs become typical tuff.						236.5	
								238.3	Py & Pyroh. - trace. (<1%)
								240	1cm py vein 45° c.A.
3.0	240							240	
								240.85	
								241.5	Py 1-2 f.g. to c.g. (rep vesicles) + tr. vein. Pyroh. 1-2 f.g. to c.g. (rep. vesicles)
								242.2	Py trace (ie <1%)
3.0								242.55	
								243.0	5cm Py 40 blebs & veinlets 15° to c.A.
								243.25	10cm Py 30 blebs & veinlets 30° to c.A.
								243.75	Py trace (<1%)
								244.1	1cm py vein 60° c.A.
								244.6	Py 2-3 (10) f.g. flecks & blebs & veinlets gen 15° to c.A.
3.0	245	1cm q. vein 50° to c.A.						244.8	
								245	Py trace (ie <1%)
								246.5	
								246.65	Py 1-2 f.g., flecks, veinlets 50°? c.A.
								246.7	
								247.75	Py trace (ie <1%)
3.0								248.15	Py 15-20 f.g. assoc. w. c. vein 45° to c.A. diss in tuff.
								249.2	Py rare
								249.4	Py 15 veinlets 20° to c.A.
	250							250	Py rare

