



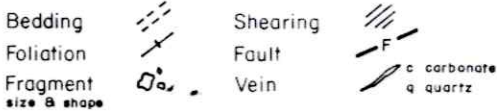








**Feature**









**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 - lt. grey to dk. grey mudstone to siltstone & shale w. rare lt. grey volc. arenite.							
	5								
	5								
	6								
	4							130	
	4							130	Py rare
	1.0							135	
	7								
	8							138.3	
	1.0							140	Py <1 (s) v.f.g. to rare blebs & oxidized veinlets
	1.2							140.5	Py 3-5 v.f.g. dissolv. & thin siderite veinlets.
	1.6							142.3	
	1.0								Py <1 f.g. to c.g. & thin sid veinlets.
	1.2	GROUND NO LONGER PUCCY BUT STILL BROKEN						144.6	
	1.45	Pink to cream siderite veining & local carbonate alteration becomes common. Discontinuous veins & blebs of siderite w. local patches of next. carb within the shale.						145	Py as above.
	1.7							146.3	
HQ		2cm sid vein 30°C.A.						147.1	Py 20-30 veins w/ .5-1cm (stockwork) & f.g. diss. & aggreg.
NQ	1.3	From 146.4 pyrite replaces siderite as the vein material. Lithology as above. minor siderite still present.						148.7	
	3.0							150	Py rare




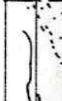

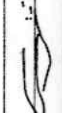



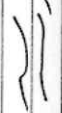





#### Feature

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

#### Mineralization

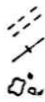
Trace 1-5%  
 Common 5-15%  
 Abundant 15-60%  
 Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
1-9	175.5	Grey green f.g. tuff. w. interbeds rafts & frag. of black mudstone. A highly tuffaceous weakly bedded interval w. a sed. component.							Py 1-2 veins
1-1	177.4	FAULT - c. vein 45° to c.A. 1cm sid. vein 45° to c.A. Black silicic. cong. mudstone. Grey siltst. & tuff frag.						177.4 177.7	Py as above
	178.1	Grey green f.g. tuff. w. rafts & frag. of lt. grey to dk. grey mudstone. Ang. sed. clasts in a massive f.g. tuff. So. possibly defined by p.o. of clasts at 10-15° c.A.							Py as above
3-0	179.3	Dk. grey to black (carbonaceous) mudstone to siltstone w. interbeds, rafts & fragments of lt. grey green f.g. volc. arenite.						180	Py as above.
	180	A bedded interval of mudstone to siltstone with a variable amount of f.g. tuff. either as conformable interbeds to 5m or more commonly as rafts & frag. These can be very irregular in shape.						181.9	Py 5-7 veins & f.g. to c.g.
3-0	182.9	The interval shows evidence of much s. sed. def. in the form of slumping of the tuffaceous & sed. & rafting of the tuff. component.						182.9	Py 2-3 f.g. to blebs & minor vein
	185	So varies between 15 & 45° to c.A. but averages 25°.						184.75 185	Py 30 f.g. to c.g. euhedral xals. Py 1-2 f.g. & veinlets low & to c.A.
3-0	186.7							186.7 187.3	Py 15-20 (50) f.g. & vein 25° to c.A.
3-0	187.3								Py 2-3 (15) veins assoc. w sid. gen. low angle to c.A.
	190							190	
3-0	192.0	Lt. grey green f.g. volc. arenite. w minor grey mudstone. A tuffaceous interval consisting of massive to (bedded) f.g. to v.f.g. volc. arenite w. minor thin udstone beds < 1cm at a low angle to c.A. i.e. < 20°.						192.5	Py < 1 (5) veins.
3-0	195	The interval shows localized s. sed. rafting & brecciation & an overall brecciation by an anastomosing network of thin (< 2mm.) dk. grey veinlets of carbonaceous? material						195	
3-0	200							400	



**Feature**

Bedding  
Foliation  
Fragment  
size & shape



Shearing  
Fault  
Vein



c carbonate  
q quartz

**Mineralization**

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

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON ABUNDANT MASSIVE	DEPTH m	MINERALIZATION
	3.0	A tuffaceous interval of altered locally weakly replaced & veined rock. Intense sericitic, carbonate & minor chlorite? alteration.				Pyo as above < 1 (2-3) Py rare
	226.7	Dk. grey to black bedded mudstone. Bedding 0-10° to c.A.			226.7	
	227.7	F.g. to c.g. carbonate alteration locally shows relict textures such as bedding. Bedding where present varies between 30° & 45° to c.A. F.g. pyrrhotite locally weakly replaces the tuff. Also Py or pyo. veins assoc. w. qtz. (locally forming a stockwork)			227.7	Py 20-30 vein assoc w. qtz. cass. 1-2 f.g. Py 1-2 veins 20° to c.A. Py 3-5 (10) f.g. diss (assoc. w. pyo.) Pyo 5-15 (20) f.g. diss & veinlets & blebs (assoc.) w. qtz.
	230				230	
	3.0					
	233.4	FAULT - c heated breccia 60° c.A.			232.95 233.2 233.6	Py 20 veins assoc. w. qtz. Tr f.g. cassit. assoc. w. qtz. Py 5-10 f.g. to c.g. & veins Tr pyo. Py 1-3 (7) f.g. & minor veinlet 0-45° c.A.
	235				234.5 235	Py & Pyo. v. rare.
	236.1	orange highly altered volc. arenite - intense carbonate alteration (puggy & sheared near fault).				
	237.1	FAULT ZONE 25cm c. heated fault breccia. 45° to c.A.			237.1	Py 5 replacing tuff. frag. in breccia.
	237.35	Replaced & veined volc. arenite. - c.g. py. to 80% as masses & veins.			237.35 237.45	Py 10 vein Py 60-80 c.g. (euhedral) & blebs replacing tuff.
	238.2	Lithology - tuff as above.			238.2	Py 1 (3) f.g. & rare veinlet
	240				239.5 240	Py 5 (10) veinlets assoc. w. qtz. gen low & to c.A. (stockwork). Also dissem.
	242.9				242.6 - 10 cm cassit 2-5% rep? tuff locally assoc. w. py. bleb.	
	3.0	Dk. grey to black mudstone w. interbeds of grey green v.f.g. volc. arenite. Interval shows (intense) s. sed det. such as slumping. Mudstone is well bedded but contorted. bedding 0-60° (av. 45°) to c.A. No cleavage.			242.9 243.5	Py 15 veinlet 0-25° to c.A. & bleb. (silicification). Py 5-10 (20) f.g. to c.g. anhedral to euhedral grains & veins (assoc.) w. cream siderite. Veinsto 1cm. gen 30° 35° to c.A.
	245				245	
	3.0				246.8	Py 1 f.g. diss & rare vein
	248.95	Grey green sericitic & sideritic gen. massive f.g. tuff locally veined & weakly replaced by pyrite & pyrrhotite Gen. massive (bedded) f.g. tuffaceous rock occ. w. rafts & irreg. fragments of brown			248.95	Py 2-5 f.g. diss. & aggreg. Py 2-5 f.g. to c.g. diss. & aggreg.
	250				250.0	

**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
		bedded mudstone (1.5-4cm long). 249.2-249.6 mottled cream to olive green sideritic? alteration assoc. w. diss. pyrrhotite.			250.45	Py & Pyo trace f.g.
	250.95	Interbedded dk. green to lt. grey green massive tuff & slumped & def. bedded tuff to tuffaceous shale weakly to extensively veined & replaced by Py & Pyo. (tourmalinized)? Tuffaceous interval showing more sed. influence than previous. Bedded material shows slumping & rafting. Rounded to angular frag. of brown bedded mudstone are more common but still localised. Patchy but extensive silicification.			251.1 251.45 252.0	Py 5 f.g. dissem. Py 20 veins assoc. w. qtz 40% c.a. Py & Pyo rare. Py 30 f.g. to c.g. diss. & aggreg. & locally replacing tourmalinized rock. Tr. v.f.g. cream, cassiterite. Py 15-20 f.g. to c.g. dissem. anhedral grains. rare veins < 5cm 245° c.a. Tr. pyo. Py 50 f.g. to c.g. diss. & aggreg. of anhedral grains. Replacing tourmalinized rock. Pyo 10 as f.g. in pyo. rich intervals up to 10 cm wide. Approx. 60% sulphide. Tr. vivianite assoc. w. cavities. 252.6-10cm 5% cas. - rare other.
	253.4	cream brown to dk. grey interbedded mudstone grading down words to slumped & broken mudstone locally w. a grey green f.g. tuff matrix. 50-40° c.a. No silicification.			253.3	Py 10 f.g. to c.g. & tr. pyo. f.g. to bleb diss.
	254.5	lt. grey green massive tuff (or lava?)			253.7	Py - rare Pyo. (trace) f.g.
	255.2	lt. grey to black variably silicified interbedded (slumped) mudstone w. rare v.f.g. tuffaceous beds veined & locally weakly replaced by Py. Bedded mudstone interval showing s. sed slumping & rafting. Silicification is patchy but increase to highly silicified at base. Bedding 150° 26° to c.a. Replacement min. increases w. silicification to base.			255 255.2	Py 15-25 (50) v.f.g. to c.g. anhedral diss. Blebs & masses replacing green tourmalinized sed., & rare thin veinlets at 45° c.a. < 4cm ga assoc w. qtz. Pyo. rare.
	257.5	Pyrite - qtz - tourmaline? rock. A massive featureless rock 75% anhedral Py (1mm to 1cm, av. .5cm) assoc. w. 10% qtz. patches blebs & speds & 10% lt. green tourmaline? as for qtz. > 5% anhedral aspy (1mm to 1cm, av. 2mm). limonite calcite locally abundant.			257.5	Py 75 anhedral f.g. to c.g. masses. Aspy. 5 anhedral f.g. to c.g. aggreg.
	258.45	Pyrrhotite - qtz - Py rock. A massive to locally banded rock. Pyrrhotite (70%) rapidly becomes the dominant sulphide. as intergrown masses w. qtz. 10-20% as inclusions av. 2-3mm & patches & blebs. Py 10 occurs as aggreg. of anhedral c.g. Tr. cream siderite as blebs av. 2-3mm. 259.9-10cm. 50% lt. green tourmaline? w. 10% f.g. pyo. & 10% c.g. Py.			258.65	Py 70 as a featureless inter connected mass. Py 5 (20) as aggreg. of anhedral c.g.
	259.95	qtz - pyrite - sid. rock. A massive rock. qtz 70% as white to grey crystalline silica. w. py. diss. aggreg. & 10% blebs & blebs of orange siderite. upper boundary 80° c.a. gradual to lower. rare qtz veins < 1cm 40° c.a.			259.6 259.95 260	Py 40 as a fine interconnected matrix. Py 20 as anhedral f.g. to c.g. aggreg. Py 15 as anhedral f.g. to c.g. diss. & small aggreg. Tr. Aspy assoc. w. Py 80 Pyo. 70 as fine interconnected matrix.
	260.65	Pyrrhotite - qtz rock. A fine complexly intergrown matrix of pyo. 70% containing circular to irregular inclusions & blebs of qtz. 30% locally on a meso-scale the rock has a pronounced banding due to the p.o. of the qtz & pyo. matrices.			260.65	
	261.5	Extensively replaced tourmalinized mudstone? f.g. py. & fine inter-fingering Pyo matrix w. relief patches of green tour. mudstone. massive rock. mass intert may => boundary of fissure lode incorporating wall rock.			261.5	Py 40 f.g. to c.g. diss. (anhedral). Pyo 20-25 granular integ. masses. Cassiterite 1-2%? as v.f.g. diss & aggreg.
	262.1	lt. grey to med grey massive to (bedded) mudstone			262.1	Py 15-20 (40) f.g. to c.g. & blebs & veinlets assoc. w. qtz. Tr. fluorite.
		Interval shows common soft sed. slumping & fracturing.			24305	
		Rock is highly silicified to 2631 where silic. becomes patchy. local weak replacement by Py.			24305	Py 3-10 f.g. to c.g. & blebs & less common veinlets 35° c.a. Tr. fluorite
	264.45	cream to grey to black bedded (cong.) mudstone			264.45	
	265	Highly s. sed. deformed bedded to massive to cong. interval Clasts of mudstone & a grey unidentifiable silicified & pyritized rock from 1mm to > 3cm form up to 15% of the rock. Younging from bedding at 265.3m => up hole.			265	Py 2-3 (5) f.g. to c.g. & rare veins to < 1cm.
	266.95	FAULT ZONE qtz. healed breccia w. frag. of both rock types.			266.95	Py 10-15 vein assoc. w. qtz & (fluorite)
	267.4	Local fluorite veining			267.4	
	267.75	lt. grey highly silicified well bedded to massive mudstone to siltstone bedding 40-60° to c.a.			267.75 268.1 268.35	Py rare Py 25-30 f.g. to c.g. rep.?
	5	Description - see below.			269.3	Py 2-3 (10) f.g. to c.g. w. local veinlets 15° to c.a.
	1.5	lt. grey well bedded to massive siltstone to f.g. micaceous quartzite.			269.7 270	Py 30-40 c.g. replacement? Py < 1 as f.g.
	1.0	only very local silicification in this interval. Basically a homogeneous interval with a weak layer parallel cleavage. Bedding 276.5 - 30° c.a. 279.5 - 60° c.a.			271.0 271.4 272.2 272.5	Py 5-10 veins & blebs. Py 15-20 f.g. to c.g. blebs & veins 45-50° to c.a. Py 2-3 vein stockwork assoc. w. sid.
	3.0	FAULT ZONE f.g. & broken core. ?° to c.a.			273.5 274.0	Py < 1 (2-3) f.g. & veinlets
	275				275	

**Feature**

- |                       |  |          |  |
|-----------------------|--|----------|--|
| Bedding               |  | Shearing |  |
| Foliation             |  | Fault    |  |
| Fragment size & shape |  | Vein     |  |

**Mineralization**

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

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION		
				TRACE	COMMON	ABUNDANT
3.0						Py as above, <1 (2-3) f.g. & veinlet.
3.0						25um Py 7 c.g. in qtz vein
	280					Py <1 (2-3) f.g. & veinlet.
	280.75	<b>FAULT - Pyg 30° to c.A.</b>				
2.0		<u>lt. grey to dk. grey highly silicified bedded to massive siltstone to quartzite.</u> From 280.75 the rock type above becomes extremely siliceous. The silicification is associated with "spotted pyrite". Py spots crudely circular in shape and 2mm in diameter are disseminated throughout the interval. These are assoc. with py blebs & an increase in veining				Py 3-5 (10) f.g. to c.g. "spots", blebs & veins gen 45-50° to c.A.
1.0						
2.8	285	Bedding 283m - 50° 287.5 - 55°				
3.0						
	290					
3.0						Py 10-15 as above
	292.5	<b>END OF HOLE.</b>				Py 1-2 as above
	295					
	300					