




Feature
 Bedding 
 Foliation 
 Fragment size & shape 

Shearing 
 Fault 
 Vein 
 c carbonate
 q quartz

Mineralization

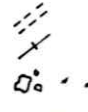
Trace 1-5%
 Common 5-15%
 Abundant 15-60%
 Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m
				TRACE	COMMON	ABUNDANT	
1.5		Interbedded lt. grey green f.g. volc. arenite & tuffaceous mudstone w. (grey shale). Description as for 3-74.5m but grey shale slightly more common in interbeds to 50cm. (as 3-10cm) Volc. arenite is (conglomeratic) w. shale & mudstone clasts to 2-3cm.					
2.0							
	79.3	<u>FAULT ZONE</u> Broken core & pug. 30° to c.A.					
.8							
.5	80						
1.3							
	82.0						
3.1							
	84.0	FAULT - pug - 30° to c.A.					
	84.4	FAULT - pug - 25° to c.A. (11 bedded)					
	85						
2.5		FAULT - pug & broken core 35°? c.A.					
	87.3	<u>FAULT ZONE</u> Broken core & pug 35° to c.A.					
1.4	89.0						
	90	Bedding 75m - 35° to c.A. 80m - 35° 85m - 30° 90m - 45° 95m - 35° 100m - 45°					
2.0							
	93.5						
	93.8	<u>FAULT ZONE</u> - Broken core & pug. 35°? to c.A.					
2.8							
	95						
3.0							
	96.7						
	97.3	3+ transformational conglomerate - tuffaceous & mudstone clasts 1mm to 2mm in fine ground mass.					
		lt. grey green f.g. volc. arenite w. interbeds (slumped), rafts & clasts of dk. grey shale. Bulk of interval is tuffaceous sed. Well bedded shale as frag. & (slumped) interbeds to 15cm. Transitional to unit below.					
3.0							
	100						

10cm sp. 40 an 10 sid rec 30° c.A.

Feature

Bedding
Foliation
Fragment
size & shape



Shearing
Fault
Vein



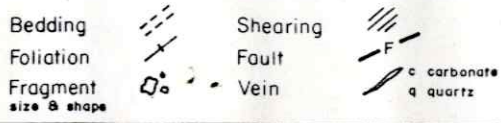
c carbonate
q quartz

Mineralization

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

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		Lithology - as above - Interbedded dk. grey to black (carbonaceous) shale & lt. grey f.g. volc. arenite.							
1.4								153.2	
1.3								155	Py 1-2 (5) v.f.g. dissemin. w. local m.g. to c.g. & blebs
1.0		<u>FAULT ZONE</u> Pug, broken core and much core loss. Single fracture indicates orientation of about 30° to c.A.						155.5	
1.0								160	
.3								165	
.4								166.9	
.6								170	
2.4								170.4	
2.5		<u>FAULT ZONE</u> Broken core, pug & py lode. 35-40° c.A.						171.0	Py 1-2 veinlet
								171.4	4cm py 90 sid vein 35° to c.A.
								171.8	Py 10 veinlet.
								172.3	3cm py 90 sid vein
								172.7	Py 5 veinlet.
3.1									Py 85 sid. ser, qtz vein. Tr Asp. Tr Cr.
									Py 25 f.g. to c.g. & vein.
									Py 1-2 v.f.g. & veinlet.
								175.0	
		<u>FAULT</u> - Broken core - ?° c.A.							

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 - Interbedded dk. grey to black (carbonaceous) shale & lt. grey f.g. volc. arenite. Bedding 45-60° (av 50°) to c.A.				Py 1-2 v.f.g. & veinlet.
3.1						
	180	FAULT - Pug 45° to c.A.	F		179.5	
3.0		FAULT - Broken core 70° c.A.	F		180	
		FAULT - Broken core 70° c.A.	F		180.5	
		FAULT - Broken core 70° c.A.	F		181.5	Py 5-7 f.g. & vein // to c.A.
					182.4	
3.0		FAULT - Pug // c.A.	F		183.2	Py 1-2 v.f.g. & blebs & vein.
		FAULT - Pug - 30° to c.A.	F		184.0	
					184.3	Py 20 as veins to 10cm assoc. w. sid veins, 35° to c.A.
					184.6	
	185				185	Py 1-2 (5-10) v.f.g. to m.g. & veinlet.
2.2						
3.0						
	189.6	FAULT - Broken core 30° to c.A.	F		189.6	15cm py 1-2 qtz/c vein 75° to c.A.
		lt. grey green f.g. volc. arenite w. irregular interbeds of med to dk. grey mudstone (slumped, rafted and conglomeratic)			189.7	Py rare
		A tuffaceous sed. interval w. much s. sed def. Bulk of interval is massive to well bedded f.g. volc. arenite locally as clasts to 3cm in intraformational cong. Mudstone is gen. well bedded but usually slumped w. ang. contacts to tuff.			190	3cm py 25, qtz vein 60° to c.A.
3.1						Py rare
					192.0	5cm py 80, qtz vein 40° c.A.
					192.4	Py 5, veinlet & blebs.
					192.8	Py rare
						1cm py 10, qtz vein 40° c.A.
						Py 1-2 f.g. to blebs & veinlet
					193.8	1cm py 95, qtz vein 25° c.A.
					194.4	Py rare
3.0	194.4	FAULT ZONE Broken core, pug & py veining 25-30° to c.A.	F		194.4	Py 15-20 veins 25-30° to c.A.
					195	Aspy 2-3 veinlets assoc. w. py.
					195.3	Py rare
					196.0	Py 1-2. f.g. to blebs & veinlet.
					196.5	2cm py 40, c. vein 20° to c.A.
					197.0	20cm py. 1% c. vein 35° to c.A.
3.0						Py rare.
					198.8	
	198.9	FAULT - Pug 55° to c.A.	F		198.8	
		dk. grey shale w. frag. wisps & interbeds of lt. grey to grey green f.g. volc. arenite & tuffaceous mudstone.			198.9	Py 5-7 veins assoc. w. sid. at low angle to c.A.
	200				200	

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 RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON ABUNDANT MASSIVE	DEPTH m	MINERALIZATION			
2.1	200.6	<p><u>FAULT ZONE</u> Broken core, pug & much core loss. Unknown angle to c.A.</p>	[Visual Log: Dashed lines]	[Trace: Common]	201.0	Py as above 5-7 veins assoc. w. sid.			
.4							Py 1-2 f.g. to c.g. & (bleb) rare veinlet. syngenetic py.? (next.)		
.5									
	205								
T	208.1	<p>Bulk of interval is dk. grey shale, cleavage // bedding. A tuffaceous sed. component is present as irregular interbeds to 40cm locally slumped and rafted, as fragments 1mm to 2cm in shale & as local intraformational breccias. Tuffaceous greywacke to mudstone Bedding is 30-50° to c.A. Diagenetic c. veins locally common.</p>	[Visual Log: Fault]	[Trace: Common]	209.9				
2.6	210								
					FAULT - Pug 7° to c.A. FAULT - Pug 35° to c.A.				
					FAULT - Pug 20-40° to c.A.				
3.1					FAULT - Pug 20° to c.A.				
	215								
3.1									
	216.5								
	217.3	<p><u>Interbedded lt. grey to lt. grey green f.g. volc. arenite to tuffaceous mudstone & local dk. grey green (tuffaceous?) shale</u></p> <p>A highly tuffaceous interval with roughly equal vol. of volc. arenite & mudstone. Mudstone is well bedded & volc. arenite varies from massive to bedded. Shales are associated with slumping & local rafting of tuffaceous sed. Bedding is constant around 35-40° to c.A.</p>	[Visual Log: Fault]	[Trace: Common]	217.3	Py rare			
3.1									
	220								
3.0									
	223.5								
	223.8					Py 10-12 bleb & vein. 30° to c.A.			
3.0						Py 2-3 f.g. dissem. & veinlets at low angle to c.A. assoc. w. sid.			
	225								

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 - Interbedded lt. grey to lt. grey green f.g. volc. arenite to tuffaceous mudstone & local dk. grey green shale.						225.8 226.3 226.45	Py 2-3 as above Py 35 veinlet stockwork 0-30° C.A. f.g. to lobe. Py 3 f.g. to lobe assoc. w. sid. qtz. Py rare
3.0	227.8	Off-white to lt. grey limestone to dolomite? A massive locally brecciated carbonate. Fragments in local breccia zones (to 30cm) are angular (cupate) and 2mm to 5cm in size. They are off white and sit in a grey matrix. No bedding. Rock is locally sideritised? Irregular contact above & below.						227.7 230 231.1	1cm py 90, sid vein. Py rare.
3.0	233.5	25cm dk. grey cong. shale.						233.5	
3.0	235	lt. to dk. grey slumped & (cong.) shale. A finely laminated pelite. Soft sed slumping is common & locally intense. Local conglomerate w. clasts of carbonate to 5cm w. a band of 50cm at 235.0						235	Py 1 v.f.g. dissem. & rare lobe. (syngenetic?)
3.0	237.5	<u>FAULT ZONE</u> c. healed fault breccia						238.3	
3.0	238.3	<u>QS</u> Interbedded dk. grey to black slate & lt. grey f.g. (micaceous) quartzite. A very well bedded interval of finely interlaminated pelite & arenite. Interlaminations on mm & cm scale. Cradling is common w. younging uphole. Bedding is parallel to strong cleavage 35-55° to C.A. typically 45°.						238.3 240 243.1	Py 1-2 (10) v.f.g. dissem. Py 1 veinlet (stockwork) rare v.f.g. dissem.
3.0	245							245	
3.0	247.0	Finely interlaminated lt. grey to black slate w. (lt. grey siltstone). Extremely well laminated pelite w. strong layer // cleavage. S/S constant at 35° to C.A. Younging from grading uphole is common.						247.2 250	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
3.1		Lithology - as above - finely interlaminated lt. grey to black slate (lt. grey siltstone) lt. grey siltstone more common toward base.							Py rare.
3.2	255							255	
3.1	258.9							258.9	
3.1	260	<u>Dk. grey to black slate w. interbeds, rafts & fragments of lt. grey f.g. (micaceous) quartzite.</u> Bulk of interval is very dk slate w. qtzite occurring as fine interbeds at the top of the interval but becoming rafted & cong. in the middle & less dominant toward the base.						260	Py 1 v.f.g. & rare veinlet
3.0	265							265	
3.0	268.4							268.4	
3.0	269.1	<u>FAULT ZONE</u> sheared slate & breccia 30°? to c.A.						269.1	Py 10 f.g. & veinlet.
3.0	269.5							269.5	
3.0	270.0	<u>FAULT ZONE?</u> Zone of sheared (puggy) slate 40° to c.A.						270.0	Py 1-2 f.g. & veinlet.
3.0	270.7							270.7	
3.0	271.1							271.1	Py rare.
3.0	271.7	<u>FAULT?</u> - sheared slate, 35°						271.7	empty 15
3.0	271.9							271.9	
3.0	275	lt. to med. grey siltstone w. minor interbedded lt. grey f.g. (micaceous) quartzite. Bulk of interval is massive to weakly bedded lt. grey silt w. a gen. well developed cleavage to bedding.						275	Py rare.

Feature



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
1.5	275.4 275.7	<u>FAULT ZONE</u> - <u>Plg 30-35° to c.A.</u>							
1.5		Interbeds to 50cm w 1-10cm of lt. grey to off white f.g. (micaceous) quartzite occur making about 10-15% of rock. Sl/s is constant around 40-50° to c.A.							Py rare
.5									
2.5									
	280							280 280.2 280.8	Py 3 f.g. to bleb = vein Str 2 bleb in py vein.
3.0									Py rare
	285							285	
	286.4								
1.3		<u>Lt. grey f.g. (micaceous) quartzite</u> A massive to well bedded unit of weakly to highly siliceous quartzite. local thin wispy interbeds, gen. < 1cm, of med to dk. grey shale occur. Bedding varies from 0 to 50° to c.A but is typically 40°.							5cm py 90 sid ven 20° to c.A. Py 1-2 f.g. to bleb & veinlet
2.0	290							290	
2.0								292.2	
3.0								294.0	Py rare 1cm py 20, Str 10, c. vein. 20° c.A.
	294.4							294.5	10cm qtz/c vein 45° to c.A.
	295	<u>Dk. grey massive shale</u> A very poorly bedded interval of pelitic rock of fine silt size. A band of med grey shale at base shows bedding as 0-20° to c.A. At top Sl/Si 25-30° to c.A.						295	Py rare
3.0									
	298.7							298.9	10cm py 15 blebs in silic. qtzite
3.0		<u>Interbedded lt. to dk. grey shale & lt. grey f.g. quartzite</u>						300	Py rare

