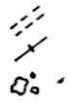


Feature

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		Lithology - as above - lt. grey green f.g. volc. andinite w. interbeds (slumped), rafts & fragments of lt. grey green tuffaceous mudstone.							Py rare
.4									
.5									
.9									
2.0	30								
.6									
2.7									
.7	35								
.5	36.9								
.7									
.7		<u>FAULT ZONE</u> Pug associated w. highly fractured core & in the base of the zone slickensided fragments. Shearing & slickensides indicate orientation is v. low. angle to C.A.							
.7									
.6	40								
.4									
.3									
.4	45								
.5									
1.0									
.6									
.2									
.4									
.9	50								

Feature

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Vein



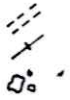
c carbonate
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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		<u>FAULT ZONE</u>							
.5		Broken core & pug as above.							
.5		litology - as above - lt. grey green							
.7		tuffaceous mudstone w. interbeds							
.5		of lt. grey grey green volc. arenite							
.5									
.3	105							105	
1.0									
.8	107.6								
	108.3								
1.5		<u>lt. grey green f.g. volc. arenite.</u>							
		Gen. massive tuffaceous sediment							
1.7	110	w. local clasts of dk grey to black shale						110	
		av. < 1cm.							ly rare
1.3									
	112.3								
1.0	113.3	<u>FAULT ZONE</u> Broken core & (pug) 25-30°?							
		to c.A.							
1.2	115							115	
1.3	116.5								
	117.3	<u>FAULT ZONE</u> Broken core & (pug) ?° to c.A.							
1.5	118.3								
	119.2	<u>FAULT ZONE</u> Broken core (pug) & carb. /							
		qtz. vein fragments. ?° to c.A.							
2.5	120							120	
3.0									
	124.2								
	125	<u>FAULT ZONE</u> Broken core (pug) . ?° to c.A.						125	
		possibly // ?							

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m	MINERALIZATION
				TRACE	COMMON	ABUNDANT		
2.5		Lithology - as above - interbedded lt. gray to dk. grey to black (well bedded) (tuffaceous) (carbonaceous) shale.						Py rare
1.9								
1.0	180						180	
1.7	182.0	<u>FAULT ZONE</u> Broken core and pug 10 to 15° to c.A.?						
2.6	183.9							
2.6	185						185	
7								Py rare
2.3								
3.0	190						190	
1.0	192.4	<u>FAULT ZONE ?</u> Broken core . ?° to c.A.						
2								
194.3	194.3						194.3	
2.0	195	q. veining common at 40-50° to c.A.					195	
196.6	196.6						196.6	
5								
1.6	200						200	

Feature
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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m					
				TRACE	COMMON	ABUNDANT						
.8		Lithology - as above - interbedded lt. grey to dk. grey to black (carbonaceous) (tuffaceous) (slumped) shales and mudstone										
2.0												
229.0												
.3	230						<p><u>THE TWO MONTH FAULT ZONE</u> - broad zone of pug & broken core. Approx 8 weeks spent trying to penetrate.</p>					230
.4												
.6												
.5												
1.3												
235												
1.7												
.3												
.3												
.1												
.2												
.3												
240												
.2												
241.5		<p>Bedding - 235m - 35° to c.A. 24m - 35° to c.A. 245m. - 20° to c.A.</p>										
.6												
.3												
1.2												
245												
1.0	245.1						<p><u>FAULT ZONE</u> - pug & broken core</p>					245
.4												
1.6												
250												

Py rate

Feature

Bedding  Shearing 
 Foliation  Fault 
 Fragment size & shape  Vein 
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Mineralization

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CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.1	277.4	Lithology - as above - interbedded lt. to dk. grey to black (carbonaceous) (tuffaceous) (slaty) shales and mudstones.						
1.5	279.6	<u>FAULT ZONE</u> Broken core and pug 10 to 30° to c.A.					280	
3.0	281.9	<u>FAULT ZONE</u> Pug and broken core 30°? to c.A.						Py rare.
3.2	283.2	Bedding 280 m 15° to c.A. 285 m 10° to c.A. 290 m _____					285	
2.6	287.5	<u>FAULT ZONE</u> pug and much core loss. Unknown angle to c.A.						
.2	290						290	
.4								
.4								
.8	294.0							
1.4	295.4	lt. grey green f.g. volc. arenite w. local interbedded dk. grey shale (slaty and rafted) Interval of tuffaceous sediment w. fault contact above.					295	
1.5	298.0	<u>FAULT ZONE</u> Broken core and pug. Unknown angle to c.A.					295.7	See pg 80, Sp 10, sid vein 40° to c.A.
2.0	299.2							
	300						300	

Feature

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CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
2-1		Volc. arenite is the dominant lithology w. rare tuffaceous mudstone. Dark shale bands (slumped and rafted) are common locally. Bedding is at a low to moderate angle to c.A. is from 0-30°. The tuffaceous sed. is gen. massive						
1-2	303.5	<u>FAULT ZONE</u> Broken core & pug. possibly low angle to c.A.						
2-3	304.6 305						305	
3-2		Bedding - 305 m - 310 m - 315 m - 220 m - 20° to c.A. 325 m - 15° to c.A.						
3-2	310						310	Py rare diss & veinlets
3-1	315						315	
3-0		<u>FAULT</u> - pug 80° to c.A.					316.2	
3-0	320						320	
3-0								
1-1	323.5	Interbedded lt. grey to dk. grey (tuffaceous) shale. <u>FAULT ZONE</u> - as below					323.5	Py 1 (2-3) f.g. diss & veinlets av. 1mm.
	325						325	

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON ABUNDANT MASSIVE	DEPTH m	MINERALIZATION
		FAULT ZONE - as above - broad zone of broken core, pug and core loss.				
·9		Interbedded lt. grey to dk. grey (tuffaceous shale).				P ₄ 1 (2-3) f.g. diss. & veinlets as. 1mm.
2.0		A well bedded interval of sediment with a locally tuffaceous character. Bedding gen. 25-30° to c.A. Core is very broken.				
·8	330				330	
·5						
·5	335				335	
·9	335.5	Well bedded lt. grey f.g. volc. arenite				
		Very well bedded tuffaceous sed. bedding 40° to c.A. Rare thin shale laminae.				
1.3	337.7	Dk. grey to black shale. Very poorly bedded shale. 0-15° to c.A.			337.7	P ₄ 2-3 euhedral clusters of f.g. blebs & veinlets.
·5	340				340	
·8	342.5	lt. grey green f.g. volc. arenite			342.5	P ₄ rare f.g. diss.
·5		Gen. massive tuffaceous sed. w. rare shale interbeds.				
2.8	345.0	Interbedded dk. grey to dk. grey green shale & lt. grey green tuffaceous mudstone to tuffaceous siltstone.			345.0	P ₄ 1-2 f.g. diss to blebs & rare veinlets.
		A shale rich interval in the upper 1/2 but becoming more tuffaceous towards the bottom until tuffaceous sed. is dominant. c veins common 345-345.9.			346.1	P ₄ 3-4 (10) veinlets (discontin) f.g. dissem to blebs. (assoc. w. qtz. and carb.)
3.0	350	Bedding is at a low angle to c.A. gen. 10-20°. Slumping is common.			350	

Feature

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		Lithology - as above - interbedded dk grey to dk. grey green shale & lt. grey green tuffaceous mud to siltstone							Py 3-4(10) as above
3-1	355							351.2 351.4	Py 60 veins 70-50° to c.A. Py 3-5 veinlets, blebs & dissam. (assoc. w. qtz & rare calc. & ser.) Py rare assoc. w. py. Veinlets are gen. discont. but where well developed are usually at low angle to c.A. (x10°)
	355							354.0	Py rare
3-2	355							355.1	Py 3-4 veinlets, blebs and dissam. as for 351.4-354m.
	360							358.1	
3-1	360	FAULT - Broken core 88° to c.A.						360	
	360							362.5	Py rare
3-2	363.7							363.7	Py rare
	364.0	FAULT ZONE Pug & broken core & qtz. vein 45° to c.A.						364.0 364.2	10cm py 20, qtz vein 40° to c.A. Py 1-2 veinlets 15-40° to c.A. Py 25 veins & blebs oriented 40° to c.A. Py 1-2 (10) f.g. blebs & vein
	365	Black gen. highly silicified (congl.) shale w. frag. & rafts of grey green volc. ashite & lt. grey mudstone						364.8 365	15cm Py 95, green-tour? vein 40° to c.A. Py 15 veins c.1cm & irreg elongate blebs & diss. 35-40° to c.A.
	365	An interval of fracturing => fault pug & broken core and intense veining of py veins. Lithology is gen. highly silicified shale w. local irreg. to rounded fragments of lt. grey green f.g. vein arenite and lt. grey mudstone. Appears to be transitional unit between Ck and Qs. Bedding 25° to c.A. Veining and fracturing are both at 25-45° to c.A. Late stage sid. veins are common and bet. 5 & 45° to c.A. Py veins are loc. assoc. w. qtz & green tourmaline						365.45 365.5	Py 65-70 vein enclosing shale frag. & assoc. w. qtz. & lt. sid. as blebs. 78° to c.A. 3625-2cm Cu. vein 45° to c.A.
3-0	365							366.4 367	Py 15 (25) vein, blebs & dissam. in silic. shaled shale w. late sid. veins.
	365							367.1	Py 5 (10-15) veins c.1cm, blebs & f.g. diss. in black shale w. patchy silicification. Vein gen 30° to c.A. (45°)
	368.9	FAULT - Pug 50° to c.A.						368.7 368.9	Py 15, irreg blebs & f.g. diss (rep. of suff. frag?) Py 20 vein blebs & diss. 40° to c.A.
3-0	370.15	FAULT ZONE Pyritic pug oriented 40° to c.A.						369.6	Py 10 blebs & diss. in silic. shale
	369.8	FAULT ZONE Fractured shale & pug. 45° to c.A.						370.0	Py 50-60 qtz vein 40° to c.A.? Cassit. 1-2 v.f.g. aggr.
	370.0							370.7 370.75	10cm Py & blebs in Qs.
2-2	370.7	Dk. grey shale w. frag. rafts & interbeds of lt. grey siltstone & (f.g. quartzite)							Py 1-2 (5-7) f.g. diss. & blebs gen. rep. lt. grey quartzite.
	370.7	Black shale matrix w. irregular gen. rafted interbeds to 30cm and frag. (elongate) as 2-3cm. Quartzite makes ≈ 30%.							
	370.7	Bedding is gen. low angle to c.A. 10 to 25° and locally contorted (slipping)							
2-7	375							374.8 375	
	375	FAULT - 35° to c.A. - Pug.							

