

DRILL HOLE LOG
TIDD

Hole: TD-06-11

Zone:

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Northing: 6880687

Easting: 377827

Elevation:

Depth 136.3

Drilling Dates: Sept. 6 to 8 06

Logged By: Bill/Heather

Length:

Dip -50

Core Diameter: BTW

Casing Depth: 4.27m

Casing 4.3

In / Out

Azimuth 345

Visual Log		From	To	Interval	Unit	Description	Sulphides				Alteration				From	To	Interval	Sample	Rec.	Rec.
Visual	Struc.	(m)	(m)	(m)											(m)	(m)	(m)	Number	(m)	%
		0	1.52			CASING														
						Specimen of CHL ALT CPY rich rock taken back to Van														
		1.52	2.13																	
						Reported start of coring														
		2.13	5.88	3.75	PHY															
						Start coring in Q2 heavily SER PHY. Strongly fractured at beginning, Q2 unmdz-very white verging on Q3.														
		5.88	9.65	3.77	PHY															
						Grey green PHY-greasy MUSC SER PHY. Shallow core angles w/ very little Q2. Foliation at 28 deg.														
		9.65	31.61	21.96	PHY	VERY HIGHLY SERICITIZED PHY									29.73	31.61	1.88	C106771		
						SER PHY with moderate to strong QF. Abundant 1 to 7 cm white QF's. Irregular to foliaform. Abundant sections of fracturing and fragmentation of Q2's. In foliation a lot of Q2 fragments. Minor PO in fracture zones (patchy). Little disseminations w/in Q2 QTZ frags themselves. At 14.32m Q3 BRX-white appears to be roughly foliaform. MZD w/ < 1% coarse PY, TR PO can see relationship between Q2 and Q3 very well here. Narrow intervals of grey interbands. Baby zone of Q2 flooding from 18.68 to 17.17m Q2 w/ strong CHL ALT. Patchy SPH, Gn and lesser CPY. Q2 BRXX zone w/ CHL ALT (top 20 cm). Bottom 20 cm is dominantly Q2 flood with SER ALT.														
						Contact angle at 65 deg between CHL vs SER dom QF. Wallrock was not penetrated by mzn. At 26.0m very folded etc. QF's are PY dom w/ TR GN and SPH.														
						29.73 to 31.61m Alternation with QF sampled (back sample). Considerably more CHL ALT assc w/ Q2 and internally w/in PHY. Start to see incr in stockwork fracturing.														
						At end of sample interval there is a Q2 flood. Upper contact at 45 deg parallel to fol, lower contact 85 deg x-cutting fol w/in CHL ALT zones. Fine fine PY and TR amounts of CPY. W/in the adjacent PHY we see frac and fol parallel Q2 containint SPH and little bits of orange limonite.														
		31.61	36.05	4.44	PHY										31.61	33.61	2	C106772		
						Very pale yellow-green SER PHY w/ abundant clear-grey Q2 w/ moderate CHL ALT fractures. Top 30 cm of interval has abundant Q2 frags w/in fol. Minor calcite filled fractures cross cutting.														
						At 32.61m start to see minor PO w/ GN and SPH and TR CPY. Less than 1 % SX. Good alteration. Fracturing w/ light BRXX'n. Foliation: 40 deg. Q2 off white at 80 deg. 2mm coarse GN mzn. Alteration selvage same on both sides. Pale CHL. Strong assc of PO and CPY. Very patchy mzn-not continuous through SER PHY.									33.61	37.2	2.44	C106773		

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Core Diameter:

Casing Depth: 4.27m

Casing 43

In / Out

Azimuth

345

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[illegible]

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In / Out

Azimuth	345
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Visual Log			From (m)	To (m)	Interval (m)	Unit	Description	Sulphides				Alteration				From (m)	To (m)	Interval (m)	Sample Number	Rec. (m)	Rec. %	
Visual	Struc.	(m)																				
			50.65	58.55	7.9	PHY									50.65	52.75	2.07	C106783				
			Into pale green brown PHY. Losing SER ALT (as ashown thru preservation of BIOT layers.) Moderate Q2 flooding still w/ minor PY and PO. Fol at 30 deg.																			
			At 52.72m to 52.94m Very well mzd section of Q2 flood w/ CHL ALT. 20% CPY/PO. Fol at 43 deg. Contact angle of 65 deg. Slightly oblique to foliation. Same quadra														52.75	52.94	0.22	C106784		
			Minor migration of PO, CPY into adjacent fracture zones w/in PHY (maybe 5cm).														BLANK		BLANK	C106785		
			WHITE QF's: 53.53m (35 cm down) intermittent, roughly foliaform w/ TR amounts of PO and CPY.														52.94	55.39	2.45	C106786		
			54.65m (down) 60 cm Q2 run. TR PY only.																			
			From 57.30 to lower contact is strongly fragmented Q2 w/ Incr SER-CHL ALT. At 57.10m foliation at 30 deg. Q3 BRXX in same quadrant at 50 deg. Minor PO.														55.39	58.55	3.16	C106787		
			58.55	61.2	2.65	PPY																
			At upper contact zone of very fine PY in 2 phases. Zones of silicification w/in PPY. Q2 angles at 50 deg, shallower at 25 deg. Steep at 70 deg. Dom PY bearing and																			
			ultra TR amounts of PO. A lot of Q2 influence in PPY. Bits of PO in Q2 cutting PPY. Finer grained intrusive cutting or w/in PPY. Steep 70 deg, intrusive rock looks like																			
			very fine grained mafic version of PPY.																			
			61.2	73	11.8	PHY									61.2	62.6	1.4	C106788				
			PHY SER w/ mod Q2 fragmental w/ assoc. CHL ALT. Minor PY, CPY some has v. tan pale SERICITE. At 62.20m 43 cm zone of pale yellow SER PHY w/ Q2 and mod																			
			Q2 fracture controlled PO, CPY w/ lesser SPH. Fol at 50 deg.																			
			At lower contact (62.20m) into more pale green brown tan PHY. Weak to moderate stockwork frac healed with QTZ CHL. Dominantly PY, PO, SPH. Fractures are																			
			fairly steep to c-axis x-cutting fol between 50 and 90 deg. Narrower zones with strong frac's and yellow green SER.														62.6	64.75	2.15	C106789		
			62.20 to 64.75m much less altered pale green brown PHY w/ mod fracturing and Q2, dom PO, PY, SPH. 12 cm interval of strong stockwork.																			
			64.75m to 66.42m start of strongly ALT stockwork SER w/ abundant Q2. Dominantly Po w/ TR CPY assoc w/ PO. Q2 lenses are highly fragmental grey. Typically best																			
			mzd and have BRXX frags of SER PHY. W/in sub unit at 65.67 to 66.42m *****Typically Q2 fragmental. Largely BRXX'd w/ old foliated BRXX only mild SER, no CHL A														64.75	66.42	1.67	C106790		
			Fractured after the fact mod to strong zone of dissem CPY-throughout and along fractures. Control angle on QF is 55 deg. 1/4 turn Opp Quad. Approx fol at 35 deg.																			
			At end into pale green brown SER PHY. Moderately QF'd at top of interval w/ cream altn and foliation bands. PY dom w/ minor SPH in QF. Irregular QF minor																			
			PY, PO, SPH. At ~69m AMPLE kink banding and folding w/ crenulation cleavage at 10 deg to c-axis. Rare sucrosic Q1. Vertially no Q2 floods except at 72.24m																			
			where it's a 25 cm dom PY, PO and minor CHL ALT assoc.														66.42	69.24	2.84	C106791		
			73	79.4	6.4	PHY																
			EXCELLENT ORIENTATION ON ALTERATION ENVELOPE knife sharp at 60 deg. Strongly kink banded foliation at 45 deg. Bleaching alt marked by mm-fracture																			
			filled with PY. ALT marked w/ cream yellow coloured non-calcareous laminae. Really disruptive foliation orientations by what appear to be very minor frac's.																			
			REPS TAKEN between 73 to 73.50m Orientation at beginning 55 deg. At 76.50m fol 10 deg. At 73.65m back into pale green SER PHY w/ moderate abundant																			
			irregular Q2 QF. Withers and ore very irregular contacts w/ DOM CHL ALT. Very little BIOT. In QF vicinity SER PHY w/ decussite HBL laths. Minor PY assoc.																			

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Visual	Struc.	(m)																			
							At 76.70m see incr in stockwork frac w/ CHL ALT. Silver MICAcontent incr also. In vacinity of 15 cm white grey QF. QF-semiconformable to fol at 25 def.														
							At 77.40m 15cm interval of Q2 BRXX-fragmental BRXX w/ 2 phasses PY (early=coarse clasts) finer darker phase cementing clasts "bronzier" in colour.														
			79.4	88.4	9	PHY															
							Med to coarsly banded green PHY. Upper 1.2m finely laminated, virtually no Q2. Minor speckled appearance-30 deg fol. Fractures are intermittent and generally x-cutting opp quad to foliation. PY healed minor PO. At 80.60m start to see mod Q2 white and clear foliaform. SER ALT increases accordingly w/ QF's.														
							Minor PO in x-cutting fractures and in QF zones themselves QTZ=DRY.														
							At 84.20m fol 45 deg. At 85.25m we have 75 cm section of intermittent Q3 QFBX. Upper contact angle 65 deg pretty much similar to lower angles. PO, PY, TR TR GN.														
							Virtually no CHL ALT assoc. W/ BRX at all. NOTE: Even frags w/in BRXX aren't CHLORITIZED, only MILD SER. At 86.60m QF zones w/ grey black PHY. 25 cm section														
							combo Q2/Q3-only PY/PO. Intermittent Q3 and Q2 w/ mod strong SER ALT towards base w/ 1 narrow zone 30 cm from bottom w/ band of semi massive 2 phases of														
							PY-same description as coarse black and finer brassy. Orientation foliaform at 70 deg.														
			88.4	100.8	12.4	PHY															
							Medium green brown PHY w/ small pale green speckles. Minor intermittent foliaform QF's and lesser Q3 BRXX. Q3 cuts Q2. Fol at 17 deg. Q2 BRXX at 1/4 turn														
							opp quad 50 deg. At 96.62m increase in QF's back into localized CHL/BIOT ALT w/ PO, PY and ultra TR CPY. At 98.12m nice 25 cm interval of pale SER-HBL														
							decussite PHY unit.														
			100.8	136.25	35.45	PHY															
							Very finely laminated mod green and brown interbanded PHY almost fine enough to represent MUDSTONE/SILTSTONE. Are some minor CHL alt fracture zones w/ minor														
							PO, PY but low density, TR CPY. Only occur in 2-3 cm intervals accompanied by elevated SER ALT. Between 111.86 and 114.11m more MUDSTONE/SILTSTONE!														
							W/in small interval 70 cm section of Q2 flood w/ minor PY, PO flood is irregular x-cutting and marginally foliaform. Lower contact w/ silver mica decussite HBL unit 66cm														
							GENERAL NOTE: Decussite unit less than or equal to 20 cm. Always. At 116.50m foliation at 35 deg. VERY shallow Q2 in opp quad at 12 deg. Spotty CHL ALT														
							along foliaform CHL ALT ZONES w/in Q2 follow (parallel) to foliation SER BIOT ALT. Mzn all w/in CHL ALT zones.														
							At 114m start of speckles w/in unit.														
							At 121.91 to 123.00m Black speckled, black maroon PHY w/ mild sericitization along VERTICAL fractures. Narrow intermittent fractures containing calcite.														
							123.7m to 126.30m mod to strong Q2. In a lot of Q2 interval decussite HBL unit. Typical CHL-BIOT ALT w/ QF's. DOM PY bearing w/ lesser PO. At 127m **strong folding***														
							in PHY. A lot of disruption w/ apparently minor fracturing (peculiar). Crenulation appears to be cutting off folds. Sharp QF contact x-cutting fol at 60 deg.														
							Opp Quadrant to fol at 33 deg. But most are foliaform or slightly discordant flood. No significant SX mzn. Mino Py, PO.														