

HoleID	Lith From m	Lith_To_m	Lith_Interval_m	Lith Gen	Lith Detail	Lith description	Sample From	Sample To	Sample Interval m	Sample Description	Sample ID	Ox intensity	Ox colour	Ox Location	fracturee Intensity	Brecciated	Alt-Bleached	Alt-chl	Alt-ser	Alt-K-spar	Alt-Sil	Alt-clay	Min-Mag %	Min-Hem %	Min-py %	Min-cpy %	Min-black sul %	Struct_type_1	TCA_1	Struct_type_2	TCA_2	Struct_type_3	TCA_3
11MP-06	0.00	3.66	3.66	CAS																													
11MP-06	3.66	20.35	16.69	DIO	DIOxb	pervasively oxidized and clay alterered DIO with MG to CG qtz pieces surrounded by orange yellow clay alteration of feldspars. Mafics largely absent. Lim oxidation with minor Mnox on fracture surfaces. Locally slickensides on fracture surfaces. Locally 2-5mm braded qtz veins rimmed in lim. Network of lim veins most prominent in areas of increased silicification. Core is blocky with only minor >20cm zones of gouge. Diss py visible in zones of increased silica. oxidized py also present but hard to disern in areas with intense lim. Local weak FOL at 50 TCA. Locally weakly brecciated	3.66	5.60	1.94	Ox py	24165	4	O	FP	3		4					2	3			0.5							
11MP-06							5.60	7.89	2.29	Blocky broken core at UCTC. 50TCA qtz veins xcut 30 TCA qtz veins from 7.51-7.89m - weakly brecciated. Weak diss py in bx zone.	24166	4	O	FP	3	1	4					3	3					VN	30	VN	50		
11MP-06							7.89	9.90	2.01	Completely clay alt zone 1cm at 30 TCA along fract. Weakly bx. GOU from 8.75-8.80	24167	4	O	FP	2	1	4					2	3					FAU	30				
11MP-06							9.90	11.89	1.99	GOU from 11.6-11.70m	24168	4	O	FP	2		4		1			2	3										
11MP-06							11.89	13.90	2.01	Slickens on 30TCA fract with slickens 30 to the oval	24169	4	O	FP	3		4					2	3					FRC	30				
11MP-06							13.90	15.90	2.00	Trace dis chl	24170	4	O	FP	2		4	0.2				2	3										
11MP-06							15.90	17.98	2.08	FOL 50 TCA, cut by 2-5mm qtz veins at 10 TCA. Cut by lim veins at 30 TCA. Weak pervasive ser in areas of decreased ox. Fds to yellow clay.	24171	4	O	FP	1		4		1			3	3					FOL	50	VN	10	VN	30
11MP-06							17.98	20.35	2.37	Bx from 19.0-19.85m with weak k-spar overprint. Increaed qtz pieces cut by intense clay alteration. Core is pitted. 20.25-20.35 qtz flooded zone, vuggy cut by lim veins.	24172	4	O	FP	1		4			0.5		3	3										
11MP-06											24173 DUP of 24172																						

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11MP-06	20.35	29.35	9.00	DIO	DIOxb	DIO as above with increased qtz - rock more competent with weak patchy pervasive chl ateration. Also weak pervasive k-spar alteration to 25.80m. Ser increases from above along more regular foliation 30-40TCA. Lim veins at 20 TCA mixed with hem. Cut by clear 2-3mm qtz veins at 30TCA. Locally sandy rubbly core from 25.65-25.70m. Increased fracturing with core parallel fracturee from 27.70-28.73. 28.73-28.96 pervasively oxidized FG silicified zone with pervasive yellow green clay alteration of felds. Looks like a bit of bio schist from further down the hole has been cooked and incorporated in to the DIO unit. Diss py across zone and diss hem.	20.35	22.35	2.00	Patchy well developed FOL at 50 TCA	24174	3	O	FP	1		4	1	1	0.5	3	3		0.5	1			FOL	50				
11MP-06							22.35	24.55	2.20	lim veins at 30 TCA cut by .4-.7qtz veins at 30 TCA	24175	3	O	FP	1		4	1	1	0.5	3	3		0.5	1			VN	30	VN	30		
11MP-06							24.55	25.80	1.25	FOL at 30 TCA. Qtz veins at 2-3mm 30 TCA cut by 1mm qtz veins at 80 TCA.	24176	4	O	FP	2	1	4	1	2	0.5	4	2		0.5	1			FOL	30	VN	30	VN	80
11MP-06							25.80	27.43	1.63	25.8-26.2m strong chl/ser overprint with blebby3-5mm hem associated with 0.7mm irregular qtz 30 TCA vein bounded by lim. Patchy lim along fractrs with 1.5cm halos. Clay alt increased downhole.	24177	3	O	FP	1		4	1	1		3	3		0.5	1			FOL	30	VN	30		
11MP-06							27.43	29.35	1.92	Core parallel fract with lim and Mnox on fracturee surfaces. Patchy chl.	24178	4	O	FP	2		4	1	1		4	2		0.5	1			VN	10	FOL	40		
11MP-06	29.35	30.42	1.07	ALT		Silicified pervasively chl and ser altered ALT rock with oxidation on fracture surfaces. Ox halos 2mm to cm from fractures. 29.5-29.70 concentrated zone of increased bio with sporatic k-spar altered fds. Lim fract 30-40 TCA. Weak cal on fracture surfaces.	29.35	30.42	1.07		24179	2	O	F	1			3	3		4	1			0.5			VN	30	VN	40		
11MP-06									0.00		24180 STD 7B																						
11MP-06	30.42	39.45	9.03	DIO	DIOxc	Silicified DIO with pervasive ser and chl ateration. Patchy pervasive oxidation and oxidation on fracture surfaces with 1-2cm halos. Low angle qtz cal veins, some with k-spar rims. Increase in diss py from above, associated with bio/chl. Sandy gouge zone at 34.20-34.25m. Trace diss hem. Fds alt to ser and yellow clay. FOL 30 TCA.	30.42	32.42	2.00	Lim veins at 30 TCA.	24181	2	O	F	1		1	2	3	1	4	2		0.2	1			VN	30	FOL	30		
11MP-06							32.42	34.42	2.00	Cal in gouge zone. Lim at 30 TCA, Lim at 80 TCA.	24182	2	O	F	1		1	2	3	1	4	2		0.2	1			VN	30	VN	80	FOL	30
11MP-06							34.42	36.51	2.09	Lim and qtz veins at 40 TCA. Lim cuts qtz	24183	3	O	F	1		1	2	3	1	4	2		0.2	2			VN	40	VN	40	FOL	30

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							36.51	38.51	2.00	Increased qtz veins 5mm at 10 TCA. Cut lim veins at 50 TCA. py in vein at 40 TCA.	24184	3	O	F	1		1	2	3	1	4	2		0.2	1			VN	50	VN	40	VN	10
							38.51	39.45	0.94	Lim vein 10 TCA	24185	2	O	F	1		1	2	3	1	4	2		0.2	1			FOL	40	VN	10		
	39.45	43.80	4.35	DIO	DIOx	Strongly silicified DIO as above with increased ser/chl alteration. Rock is more consistently light green. Oxidation is pervasively patchy, decreased from above. Increase in Kspar, locally moderately pervasive, predominantly along qtz veins with weak cal. Zone of heavy qtz flooding/qtz vein from 39.70-40.10m. Increased ser and chl alteration from 42.87-43.80m. Change in foliation to 10 TCA associated with 2cm qtz white milky qtz vein with 3mm chl clots in calcite. Weakly brecciated at lower contact of zone above massive qtz vein. Weak diss py and hem.	39.45	40.98	1.53	Lim veins in masive qtz vein at 20 TCA	24186	2	O	FP	2		2	1	2	1	4	2		0.2	1			VN	20	FOL	50		
											24187 BLK																						
							40.98	41.69	0.71	qtz and k-spar 40 TCA	24188	1	O	F	1		1	2	2	1	4	2		0.2	0.5			FOL	50	VN	40		
							41.69	42.87	1.18	lim and chl veins 30 TCA	24189	3	O	FP	3		2	1	2	2	4	3		0.2	0.5			FOL	50	VN	30		
							42.87	43.80	0.93	Massive qtz vein 20 TCA, FOL 10	24190	1	O	FP	2	1	2	3	3	1	4	3		0.2	0.5			FOL	10	VN	20		
	43.80	46.40	2.60	VN	VNq	Massive broken qtz vein with lim veinlts at 80 TCA. Blebs of orange yellow oxidation - feldspar? Increased fractures from 45.32- 45.80m. UCTC with DIO 20 TCA, LCTC with fault at 20 TCA. Minor Mnox	43.80	45.31	1.51		24191	1	O	F	2						5							UCTC	20	LCTC	20		
							45.31	46.40	1.09		24192	1	O	F	3						5												
	46.40	49.00	2.60	FLT	FLTy	Pevasively oxidized sandy clay fault with minor zones of increased silica - can see it is a very altered dio. Minor Mnox.	46.40	48.19	1.79		24193	5	O	P	5						1	5						UCTC	20	LCTC	20		
							48.19	49.00	0.81		24194	5	O	P	5						1	5											
											24195 STD 4B																						
	49.00	51.10	2.10	DIO	DIOx	pervasively oxidized DIO with patchy ser alteration. blebby chl and Mnox on fractured surfaces. Qtz vein from 49.29-49.60m 0.7mm at 20 TCA with lim and cal along margins. FOL at 40 TCA, decreases to 30 TCA before fault. Fds alt to clay	49.00	51.10	2.10		24196	4	O	FP			2	3	3		3	3			0.5			VN	30	FOL	40		
									0.00																								
	51.10	51.80	0.70	FLT		Sandy crumbly broken fault, pervasive oxidation.	51.10	51.80	0.70		24197	5	O	P	5				3														
									0.00																								
	51.80	56.80	5.00	DIO	DIOxchl	Bleached patchy pervasively oxidized DIO with lim qtz and some py at 40TCA. FOL at 40 TCA. pervasive chl and ser alteration. Ser along foliation. Diss py. Foliation changes to 30 after 55.75m.	51.80	53.75	1.95		24198	3	O	F	1		4	2	2	1	4	3			0.5			FOL	40	VN	40		
							53.75	54.90	1.15		24199	4	O	FP	1		4	3	2	1	4	3			0.5			FOL	40	VN	40	VN	50
							54.90	56.50	1.60		24200	3	O	FP	2		4	2	2	1	3	3			0.5			FOL	30	VN	40	VN	10
									0.00																								
	56.80	64.53	7.73	DIO	DIOchl	Chl and ser altered DIO - rock is light green with weak oxidation on fractured surfaces from 61.60-62.95m. Slickensides on fracture surfaces at 58.85m. Patchy custard yellow clay alteration of feldsar. Chl veins more prominent after 62.95 m as well as k-spar with 3-5mm haloes at 30TCA cross cutting FOL 50TCA. Axis parallel fracture/fault from 57.06-57.93 in zone of increased clay alteration.	56.50	57.93	1.43		24201				3		3	3	3		2	4			0.5			FRA	0	FOL	50		

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							57.93	60.00	2.07		24202				2		3	3	3		3	3			0.5			FOL	50				
							60.00	61.60	1.60	qtz cal vein at 30 TCA	24203				3		3	3	3		4	3			0.5			FOL	50	VN	30		
									0.00		24204 DUP of 24203																						
							61.60	62.95	1.35		24205	1	OY	F	3		3	3	3		3	3			0.5			FOL	50				
							62.95	64.53	1.58	chl vein at 30 TCA, qtz cal at 40 TCA.	24206				2		3	3	3	1	4	3			1			FOL	50	VN	30	VN	40
	64.53	66.96	2.43	DIO	DIObio	DIO with increased mafics, more bio. Oxidation patchy on fractured surfaces with local zones of intensely oxidized and broken sandy core - minor fault.			0.00																								
							64.53	66.35	1.82		24207																						
							66.35	66.96	0.61		24208																						
							0.00		0.00																								
							0.00		0.00																								
									0.00																								