Scale
Color Plot
Dips

Drill Hole Record

Property	Deboullie Pond	State	Maine	Hole No.	Deb-1-71
Commenced	2/17/71	Location	Aroostook Co.	Tests at	500' Hor. Comp.
Completed	3/4/71	Core Size		Corr. Dip	90° Vert. Comp.
Co-ordinate	1200' E, 50' S, Deboullie Grid			True Brg.	Logged by D.G.M.
Objectives	Porphyry Cu-Mo			% Recovered	100 Date 4/19/71

Property	Deboullie Pond	T Brg.	Collar Dip	90°	Elev.	1128	Length	698	Hole No.	1	Sheet	1

Footage From	Footage To	Description	Sample No. From	Sample No. To	Length	Analysis	Cu	Mo
0	8	Water						
55	200	Medium-grained, equilgranular, pink syenite. Contains	55	60				
		in decreasing order of abundance 1) pink orthoclase,	60	70				
		2) milky plagioclase, 3) biotite, weakly chloritized,	70	80				
		4) hornblende and pyroxene, green, strongly chloritized.	80	90				
		Visable accessories include red-brown sphene and	90	100				
		magnetite concentrated in mafic grains. Scattered	100	110				
		mafic (biotitic) xenoliths up to two inches across	110	120				
		are present. Small clusters of biotite grains are	120	130				
		common. Disseminated sulfides are very rare, thin,	130	140				
		quartz-chalcopyrite-molybdenite veins occur along	140	150				
		widely spaced near horizontal joint surfaces. Pyrite	150	160				
		is very rare. A few barren, steeply dipping quartz	160	170				
		veins at about 101 feet show pink feldspathic borders.	170	180				
		Most joints show thin chlorite veins, some of these	180	190				
		have quartz cores; chalcopyrite in chlorite veins is	190	200				
		very rare. Joint density (horizontal Joints) between	200	210				
		1 and 2 per foot.	210	220				
		Slight decrease in grain size with depth. Also	220	230				
		biotite becomes subordinate to hornblende and pyroxene						
		with depth.						
200	429	Medium-grained pink syenite similar to above section.	230	240				
		Hornblende and pyroxene more abundant than biotite,	240	250				
		total mafic content 20 to 30%. Small biotite clots	250	260				

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Property	State	Hole No.	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinate		True Brg.	Logged by
Objectives		% Recovered	Date

Property: Deboullie Pond
T Brg.
Collar Dip: 90°
Elev.: 1128
Length: 698
Hole No. 1 Sheet 2

Footage From	Footage To	Description	Sample No. From	Length To	Analysis
200	429	up to 1/2 inch across common. Horizontal joint density between 2 and 3 per foot. General increase in amount of quartz-chalcopyrite veins. Thickest veins up to 1/4 inch across, show euhedral quartz prisms, rarely contain late white to pale pink carbonate. Trace bornite between 215 and 220 and 360. A few quartz veins show propylitic borders beyond feldspathized rock. At 392 steeply dipping chlorite veins cut near horizontal quartz vein. Mafic dikelet or elongated fragment at 399. Syenite shows weak lineation near bottom of interval, alignment of mafics and feldspar laths. A few white to pink feldspar phenocrysts up to 1/4 inch across near bottom of interval.	260	270	
			270	280	
			280	290	
			290	300	
			300	310	
			310	320	
			320	330	
			330	340	
			340	350	
			350	360	
			360	370	
			370	380	
			380	390	
			390	400	
			400	410	
			410	420	
			420	430	
429	431	High grade feldspar-chalcopyrite-molybdenite vein 2 to 3 inches thick, steep dip, contains minor pyrite. Looks like disseminated sulfides in aplite dikelet.			
431	447	Same as 200-429.	430	440	
			440	450	
447	462	Possible fault zone, rock broken and chloritic, but essentially barren of sulfides.	450	460	

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Drill Hole Record

Property	State	Hole No.	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinate		True Brg.	Logged by
Objectives		% Recovered	Date

Property	T Brg.	Collar Dip	Elev.	Length	Hole No. 1	Sheet 3
Deboullie Pond		90°	1128	698		

Footage From	Footage To	Description	Sample No. From	Sample No. To	Length	Analysis
462	488	Same as 200-429.	460	470		
			470	480		
488	492	Finer-grained, more mafic syenite with small subhedral biotite phenocrysts in an equilgranular matrix. Contacts gradational over 1 to 2 inches.	480	490		
492	530	Medium-grained pink syenite similar to 200-429 interval. Joint density 2 to 3 per foot. Thin mineralized veins in horizontal joints, chlorite in steeply dipping joints.	490	500		
			500	510		
			510	520		
			520	530		
530	698	Pink syenite, similar to previous section, but significant decrease in number of mineralized joints and in joint density. Chlorite with less carbonate fill most joints, these cut quartz veins. Joint density 1 to 2 per foot. Some lime green vitreous grains in syenite-apatite? Rare disseminated pyrite, usually associated with mafics. Steeply dipping pink feldspar veins 1 to 3 inches thick below 650 feet. These are barren. Also rock shows pale pink zones below about 600 feet, mafic-rich phase with gradational contacts 664-665. Only trace sulfides throughout except 610-620 where some steeply dipping quartz-chalcopyrite veins occur.	530	540		
			540	550		
			560	570		
			580	590		
			610	620		
			630	640		
			650	660		
			670	680		
			690	700		

File
DeBouille

DEB-1-71 ASSAY RESULTS

Interval	Cu	Pb	Zn	Mo	Au	Ag
55 - 60	80	45	45	2		
60 - 70	120	50	35	2		
70 - 80	110	45	35	2		
80 - 90	145	45	35	4		
90 - 100	380	40	40	12	<.02	<.2
100 - 110	135	45	40	6		
110 - 120	95	40	35	4		
120 - 130	90	45	35	2		
130 - 140	90	50	35	2		
140 - 150	100	50	35	2	<.02	<.2
150 - 160	240	50	40	6		
160 - 170	115	45	45	2		
170 - 180	130	30	50	6		
180 - 190	85	45	40	4		
190 - 200	125	45	45	2	<.2	<.2
200 - 210	150	50	40	24		
210 - 220	150	35	45	6		
220- 230	155	50	40	60		
230 - 240	335	40	40	6		
240 - 250	115	50	40	8	<.02	<.2
250 - 260	235	55	40	45		
260 - 270	385	45	40	4		
270 - 280	310	40	40	4		
280 - 290	95	45	40	4		

Interval	Cu	Pb	Zn	Mo	Au	Ag
290 - 300	120	50	35	16	<.02	<.2
300 - 310	155	90	40	4		
310 - 320	200	45	40	12		
320- 330	75	55	40	4		
330 - 340	145	45	35	45		
340 - 350	165	45	40	24	<.02	.8
350 - 360	85	*	*	4		
360 - 370	95	*	*	16		
370 - 380	200	*	*	60		
380 - 390	125	*	*	16		
390 - 400	95	35	35	8	<.02	<.2
400 - 410	380	*	*	65		
410 - 420	135	*	*	16		
420 - 430	1650	*	*	100		
430 - 440	2050	*	*	2100		
440 - 450	135	40	30	16	<.02	<.2
450 - 460	80	*	*	16		
460 - 470	100	*	*	16		
470 - 480	170	*	*	12		
480 - 490	100	*	*	8		
490 - 500	80	40	35	24	<.02	<.2
500 - 510	85	*	*	12		
510 - 520	325	*	*	60		
520 - 530	170	*	*	65		
530 - 540	140	*	*	24		

Interval	Cu	Pb	Zn	Mo	Au	Ag
540 - 550	90	50	35	85	.02	.2
560 - 570	80	*	*	4		
580 - 590	110	50	35	4	.02	.2
610 - 620	310	*	*	8		
630 - 640	65	45	25	16	.02	.2
650 - 660	45	*	*	4		
670 - 680	45	45	30	4	.02	.2
690 - 700	65	*	*	4		