

# DIAMOND DRILLING



42801NW0088 12 IVANHOE

010

Township: Ivanhoe

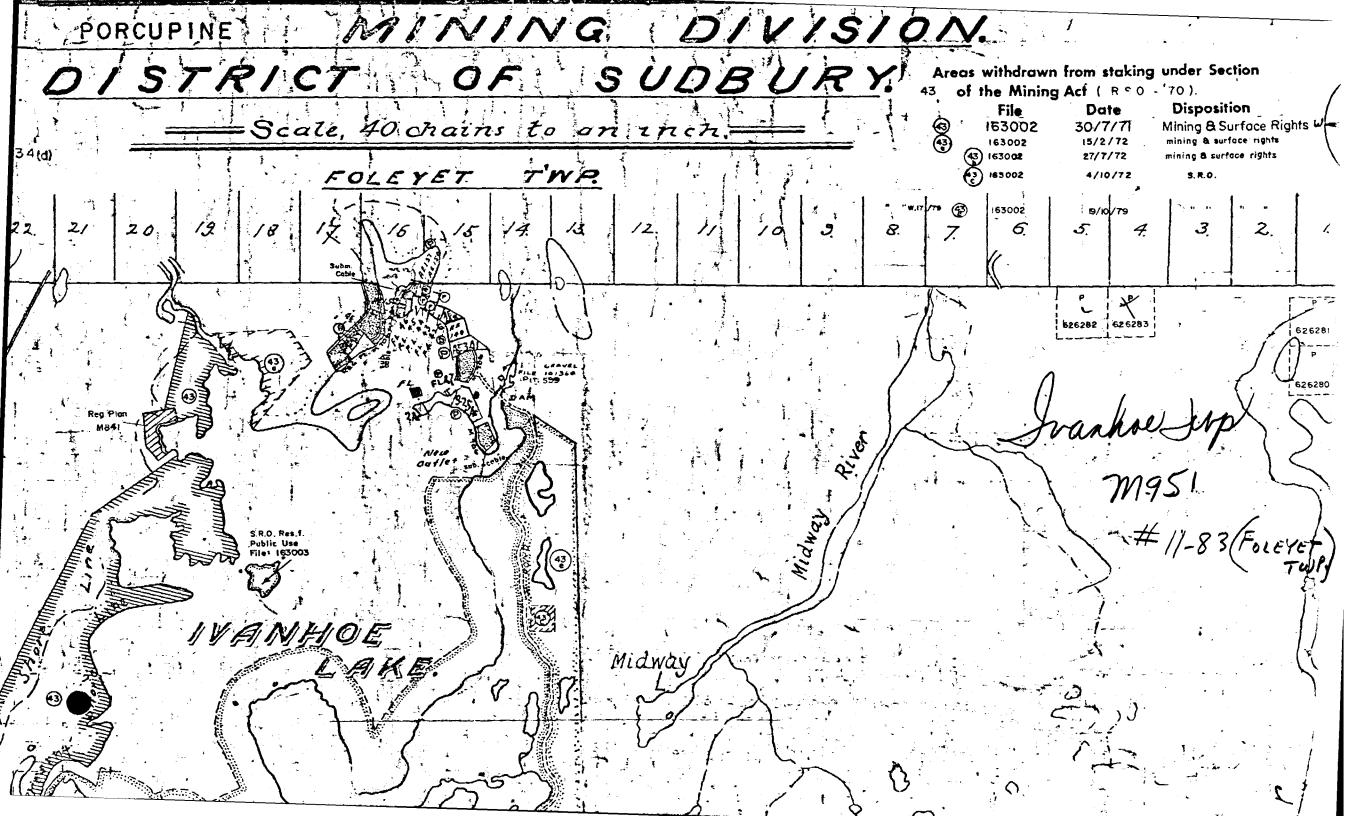
REPORT No.: 12

WORK PERFORMED BY: Hudbay Mining Ltd.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	Note
S 626283	F-82-3	62.8m	Oct/82	(1)

NOTES: (1) #11-83 (Foleyet Twp.)

. 4 . F-2-82 -53° 240°Az. 626283 3 ويتواجع ويركون بالمتهادينين الويستينيني المربع مماياتها وبالمسائلا فالأكر فالمراجع 2 HUDBAY MINING LTD. . DDH LOCATION SKETCH Scale: 1:2000 (Imperial)



HOLE NO: F-82-2 LOCATION: MAG GROUP (WEST CONDUCTOR) **PROPERTY**: FOLEYET CLAIM NO. P626283 SECTION: DEPARTURE: 0+45W LENGTH: 62.8m LATITUDE: L 10+00S ELEVATION: LOGGED BY: M.P. Corrigan CORE SIZE: BQ INCLIN: -50° DATE LOGGED: 1982-11-03 AZIMUTH: 240° DIP TESTS: @ 62.8m, -55° DRILLED BY: Bradley Bros. Ltd. STARTED: 1982-10-31 DRILLED FOR: Hudbay Mining Ltd. COMPLETED: 1982-11-01 M.P. Conig PURPOSE: To test an EM Conductor

ME	TRES	DESCRIPTION	SAMPLE	METI	RES	LENGTH			ASSA	YS	
From	То		NO.	From	To		Au	Aq			
)	3.6	Overburden					oz/T	oz/T			
.6	5.5	Ream Casing, Lost Core									
.5	26.0	<ul> <li><u>ANDESITIC FLOW</u></li> <li>dark grey-green in colour</li> <li>fine to medium grained</li> <li>2 to 3 flows present, marked by gradational to abrupt grain size changes</li> <li>central portion of flows display euhedral to subhedral plagioclase laths and lesser acicular olivene</li> <li>unit is alternatively chloritized &amp; silicified</li> <li>5-10% matrix carbonate &amp; veinlets to 1 cm (with quartz)</li> <li>plagioclase is preferentially aligned parallel to bedding @ 50° TCA</li> <li>unit may be intermixed with tuffs, as @ 22.6m</li> <li>@ 6.5m, flow top breccia</li> <li>@ 23.6m, 0.2cm to 1cm randomly oriented acicular olivene crystals along 2.0m section; followed by 0.6m of brecciated &amp; carbonatized flow top</li> <li>tr disseminated Po</li> <li>lower contact gradational, obscured by brecciation, set @ 60° TCA</li> </ul>	733 734 735	10.4 13.4 20.9	11.9 14.9 22.4	1.5 1.5 1.5`	nil nil	nil nil			

ς.

-----

### PROPERTY: FOLEYET

PAGE NO: 2 of 5

ME	TRES		SAMPLE	MET	RES	LENGTH	T	<u></u>	ASSA	YS	 
From	To	DESCRIPTION			1		A11	Aq	T		 
26.0	31.3	DACITIC FLOW - initially greenish-grey, but changes to a medium brown with depth - fine grained to aphanitic - carbonate amygdules occur throughout; 2-3mm average; <10% of the unit; size of amygdules increases to 1 cm, with depth; preferentially aligned @ 55° - 60° TCA	NO 736 737 738	From 26.5 28.0 29.5	To 28.0 29.5 31.3	1.5 1.5 1.8	Au oz/T nil 0.001 nil	oz/T nil			
		<ul> <li>- carbonate stringers common</li> <li>- unit is silicified &amp; slightly chloritized</li> <li>- Tr to 1% Po + Py as blebs &amp; disseminations + occasional blebs of Cpy</li> <li>- unit becomes felsic towards lower contact</li> <li>- lower contact sharp @ 55<sup>o</sup> TCA</li> </ul>									
31.3	36.4	<pre>ANDESITIC FLOW (TUFF?) - intercalated with graphitic metasediments + Po; bedding @ 55° TCA - fine grained with 0.5m to 1 cm carbonate amygdules - unit is very highly chloritized - &lt;5% carbonate in stringers &amp; associated with sulfide whisps - graphite occurs @ 32.0m (10cm), 32.3 (30 cm), 33.9 (40cm); 8-15% Po occurs in these beds + Tr Cpy - beyond the lower graphite zone, the unit becomes more siliceous and less chloritic &amp; takes on a fragmental appearance lower contact uneven (brecciated), but sharp @ 55° TCA</pre>	739 740 741 742	31.3 32.8 33.9 34.3	32.8 33.9 34.3 35.6	1.5 1.1 0.4 1.3	nil nil nil	nil nil nil	ı		

Δ.

HOLE NO: F-82-2

## PROPERTY: FOLEYET

PAGE NO: 3 of 5

MET	RES		SAMPLE	MET	RES	LENGTH			ASSA	YS		
From	То	DESCRIPTION	NO.	From	То	1.	Au	Aq				
					××	1		oz/T				
36.4	41.4	RHYODACITE FLOW (TUFF?)										
		- similar to previous Dacite flow @ 26.0m, except slightly more	743	38.4	39.8	1.5	0.001					
		siliceous & lacking amygdules, 5% carbonate in stringers	744		40.2	0.4	nil	nil				
		- same colour change as before as in Dacite previous	745	40.2	41.4	1.2	nil	nil	1 1			
	ł	- unit becomes Rhyolitic at depth								.	. [	
		- breccia zones @ 37.8m & 38.1m										
		- @ 38.8m, a 5cm quartz vein, @ 20° TCA with 3-5% Po in blebs										
		- graphitic zones @ 38.6m (10cm), 3-5% Po & 39.8m (40 cm), 8-10% Po										
		in 1-3mm bands; banding @ 45° TCA								,		
	}	- @ 40.3m, a 40cm Rhyolitic flow, both contacts are chilled										
		- @ 41.0, a 40 cm breccia zone								1		
		- 5-10% finely disseminated Po + Py + blebs of Po to 15% locally;								. 1		
		Tr Cpy in graphite beds										
		- lower contact fairly sharp @ 55 <sup>0</sup> TCA										
41.4	44.6	DACITIC TUFF										
		- light to medium green	746	43.6	44.6	1.0	nil	nil		. 1		
		- ash-size dark green glassy fragments + occasional lapilli as @ 41.7								1		
		- several ash flows present, <0.5m										
		- breccia zones @ 42.5m and 44.0, locallized	]									
		- unit is initially chloritized, but becomes increasingly siliceous in the lower 0.5m (similar to the previous Rhyodacite)								1		
		- @ 43.0m bleached chill zone; fractures are perpendicular to bedding;				1						
		bedding @ 50° TCA		1	1 '							
		- Tr finely disseminated Po							/	1		
		- lower contact irregular, but sharp @ 60 <sup>0</sup> TCA										
}									ļ /			
					1							
					1							
										1	1	
			1									
											1	
			1						1			

HOLE NO: E-82-2

### PROPERTY: FOLEYET

METH	ES		SAMPLE	MET	RES	LENGTH			ASSA	AYS	
om	То	DESCRIPTION	NO.	From	То	1.	Au	Aq	Cu	Zn	
						1	oz/T	oz/T	8	8	
6	45.3	GRAPHITIC PELITE/PSAMMITE									
		- conductive	747	44.6	45.3	0.7	nil	nil		0.13	
}		- alternating clastic beds & silicified graphite @ 60 <sup>0</sup> TCA			}		]				
		- <5% carbonate in several 0.5cm stringers	ł								
		- 3-5cm sections of semi-massive Po; 15-20% Po + Tr Py/Cpy					1				
		- 10cm concordant quartz vein (bed?) @ lower contact									
		- lower contact sharp @ 55 <sup>0</sup> TCA									
3	47.6	DACITIC TUFF									
		- as before @ 41.4	748	45.3	46.3	1.0	nil	nil	-	-	
		- 5% carbonate in stringers						}			
		- Tr-1% disseminated Po - lower contact sharp @ 60 <sup>0</sup> TCA									
		- tower contact sharp @ 60- TCA									
.6	58.7	ANDESITIC TUFF									
		- medium to dark green	749	52.0	53.4	1.4	nil	nil	-	-	
		- fine grained ash predominates, however lapilli are common in lower	750	53.4	53.6	0.2	0.002		0.04	0.46	
		portion of unit	751	53.6	54.6	1.0	nil	nil	-	-	
		<ul> <li>initial 6.0m of the unit is brecciated; the angular fragments are encompassed by carbonate (10-20% carbonate)</li> </ul>				ļ					
		- @53.4m a 20 cm graphite bed with Tr to 1% Cpy along bedding planes;									
	1	upper & lower contacts sharp @ 60° TCA; 5-10% Po in bands & whisps									
		- unit is initially silicified, but becomes chloritic beyond the					[				
		breccia zone									
		- lapilli occur towards the base of the unit									
		- lower contact sharp @ 65 <sup>0</sup> TCA									
							1				
			1			1	1	1	ł		

.

٦

### PROPERTY: FOLEYET

PAGE NO: 5 of 5

METE	ÆS		SAMPLE	ME	RES	LENGTH			ASSA	YS	
From	To	DESCRIPTION	NO.	From	То	<u> </u>	Au	Ag			
58.7	62.8	DACITE LAPILLI TUFF - light to medium green - ash & angular heterolithic/polymictic lapilli; lapilli include	752	59.4	60.9	1.5	oz/T	oz/T nil			
		<pre>chloritic &amp; silicic fragments to several cm's - unit is brecciated @ 61.9m locally - silicified; &lt;10% carbonate, mainly in chloritized portions - no significant mineralization</pre>									
		NOTE Core checked with spectrometer and U.V. lamp; no anomalous results were obtained.									