

DIAMOND DRILLING



42B01NW0088 12 IVANHOE

010

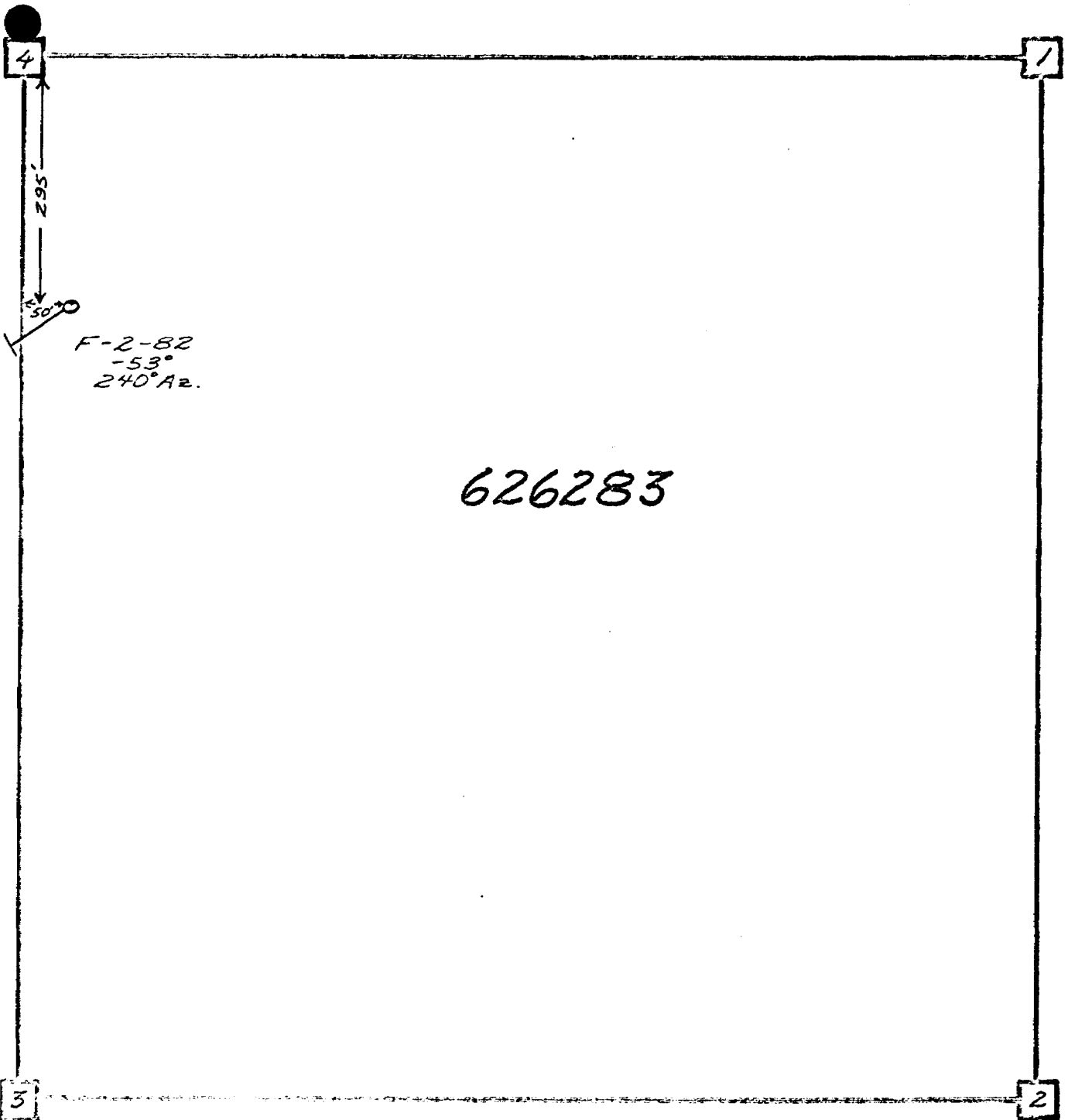
TOWNSHIP: Ivanhoe

REPORT No.: 12

WORK PERFORMED BY: Hudbay Mining Ltd.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
S 626283	F-82-3	62.8m	Oct/82	(1)

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



F-2-82
-53°
240° Az.

626283

HUDBAY MINING LTD.
DDH LOCATION SKETCH

Scale: 1:2000
(Imperial)

PORCUPINE MINING DIVISION.

DISTRICT OF SUDBURY.

Scale, 40 chains to an inch.

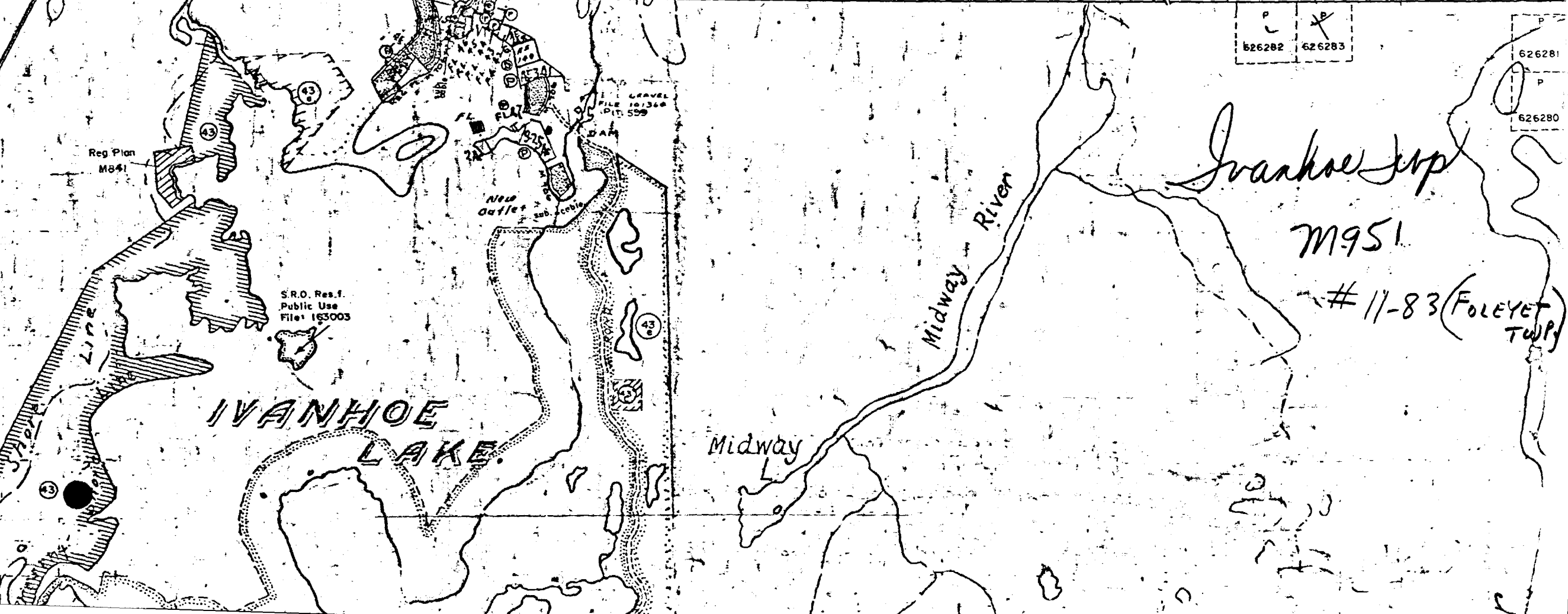
Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).

File	Date	Disposition
163002	30/7/71	Mining & Surface Rights
163002	15/2/72	mining & surface rights
163002	27/7/72	mining & surface rights
163002	4/10/72	S.R.O.

34(d)

FOLEYET TWP.

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	---	---	---	---	---	---	---



626282 626283

626281
626280

Ivanhoe Lp
M951
#11-83 (FOLEYET TWP.)

PROPERTY: FOLEYET

PAGE NO: 2 of 5

METRES		DESCRIPTION	SAMPLE NO.	METRES		LENGTH	ASSAYS					
From	To			From	To		Au oz/T	Ag oz/T				
26.0	31.3	<u>DACITIC FLOW</u> - 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 - carbonate stringers common - unit is silicified & slightly chloritized - Tr to 1% Po + Py as blebs & disseminations + occasional blebs of Cpy - unit becomes felsic towards lower contact - lower contact sharp @ 55° TCA	736	26.5	28.0	1.5	nil	nil				
			737	28.0	29.5	1.5	0.001	nil				
			738	29.5	31.3	1.8	nil	nil				
31.3	36.4	<u>ANDESITIC FLOW (TUFF?)</u> - intercalated with graphitic metasediments + Po; bedding @ 55° TCA - fine grained with 0.5m to 1 cm carbonate amygdules - unit is very highly chloritized - <5% carbonate in stringers & 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 & takes on a fragmental appearance. - lower contact uneven (brecciated), but sharp @ 55° TCA	739	31.3	32.8	1.5	nil	nil				
			740	32.8	33.9	1.1	nil	nil				
			741	33.9	34.3	0.4	nil	nil				
			742	34.3	35.6	1.3	nil	nil				

PROPERTY: FOLEYET

PAGE NO: 3 of 5

METRES		DESCRIPTION	SAMPLE NO.	METRES		LENGTH	ASSAYS					
From	To			From	To		Au oz/T	Ag oz/T				
36.4	41.4	<p><u>RHYODACITE FLOW (TUFF?)</u></p> <ul style="list-style-type: none"> - similar to previous Dacite flow @ 26.0m, except slightly more siliceous & lacking amygdules, 5% carbonate in stringers - same colour change as before as in Dacite previous - 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 - 5-10% finely disseminated Po + Py + blebs of Po to 15% locally; Tr Cpy in graphite beds - lower contact fairly sharp @ 55° TCA 	743	38.4	39.8	1.5	0.001	nil				
			744	39.8	40.2	0.4	nil	nil				
			745	40.2	41.4	1.2	nil	nil				
41.4	44.6	<p><u>DACITIC TUFF</u></p> <ul style="list-style-type: none"> - light to medium green - ash-size dark green glassy fragments + occasional lapilli as @ 41.7 - several ash flows present, < 0.5m - breccia zones @ 42.5m and 44.0, localized - unit is initially chloritized, but becomes increasingly siliceous in the lower 0.5m (similar to the previous Rhyodacite) - @ 43.0m bleached chill zone; fractures are perpendicular to bedding; bedding @ 50° TCA - Tr finely disseminated Po - lower contact irregular, but sharp @ 60° TCA 	746	43.6	44.6	1.0	nil	nil				

PROPERTY: FOLEYET

PAGE NO: 4 of 5

METRES		DESCRIPTION	SAMPLE NO.	METRES		LENGTH	ASSAYS			
From	To			From	To		Au oz/T	Ag oz/T	Cu %	Zn %
44.6	45.3	<u>GRAPHITIC PELITE/PSAMMITE</u> - conductive - alternating clastic beds & silicified graphite @ 60° TCA - <5% carbonate in several 0.5cm stringers - 3-5cm sections of semi-massive Po; 15-20% Po + Tr Py/Cpy - 10cm concordant quartz vein (bed?) @ lower contact - lower contact sharp @ 55° TCA	747	44.6	45.3	0.7	nil	nil	—	0.13
45.3	47.6	<u>DACITIC TUFF</u> - as before @ 41.4 - 5% carbonate in stringers - Tr-1% disseminated Po - lower contact sharp @ 60° TCA	748	45.3	46.3	1.0	nil	nil	—	—
47.6	58.7	<u>ANDESITIC TUFF</u> - medium to dark green - fine grained ash predominates, however lapilli are common in lower portion of unit - initial 6.0m of the unit is brecciated; the angular fragments are encompassed by carbonate (10-20% carbonate) - @53.4m a 20 cm graphite bed with Tr to 1% Cpy along bedding planes; 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° TCA	749 750 751	52.0 53.4 53.6	53.4 53.6 54.6	1.4 0.2 1.0	nil 0.002 nil	nil nil nil	— 0.04 —	— 0.46 —

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-2

PROPERTY: FOLEYET

PAGE NO: 5 of 5

METRES		DESCRIPTION	SAMPLE NO.	METRES		LENGTH	ASSAYS					
From	To			From	To		Au oz/T	Ag oz/T				
58.7	62.8	<p><u>DACITE LAPILLI TUFF</u></p> <ul style="list-style-type: none"> - light to medium green - ash & angular heterolithic/polymictic lapilli; lapilli include chloritic & silicic fragments to several cm's - unit is brecciated @ 61.9m locally - silicified; <10% carbonate, mainly in chloritized portions - no significant mineralization <p>NOTE Core checked with spectrometer and U.V. lamp; no anomalous results were obtained.</p>	752	59.4	60.9	1.5	nil	nil				