# DIAMOND DRILLING

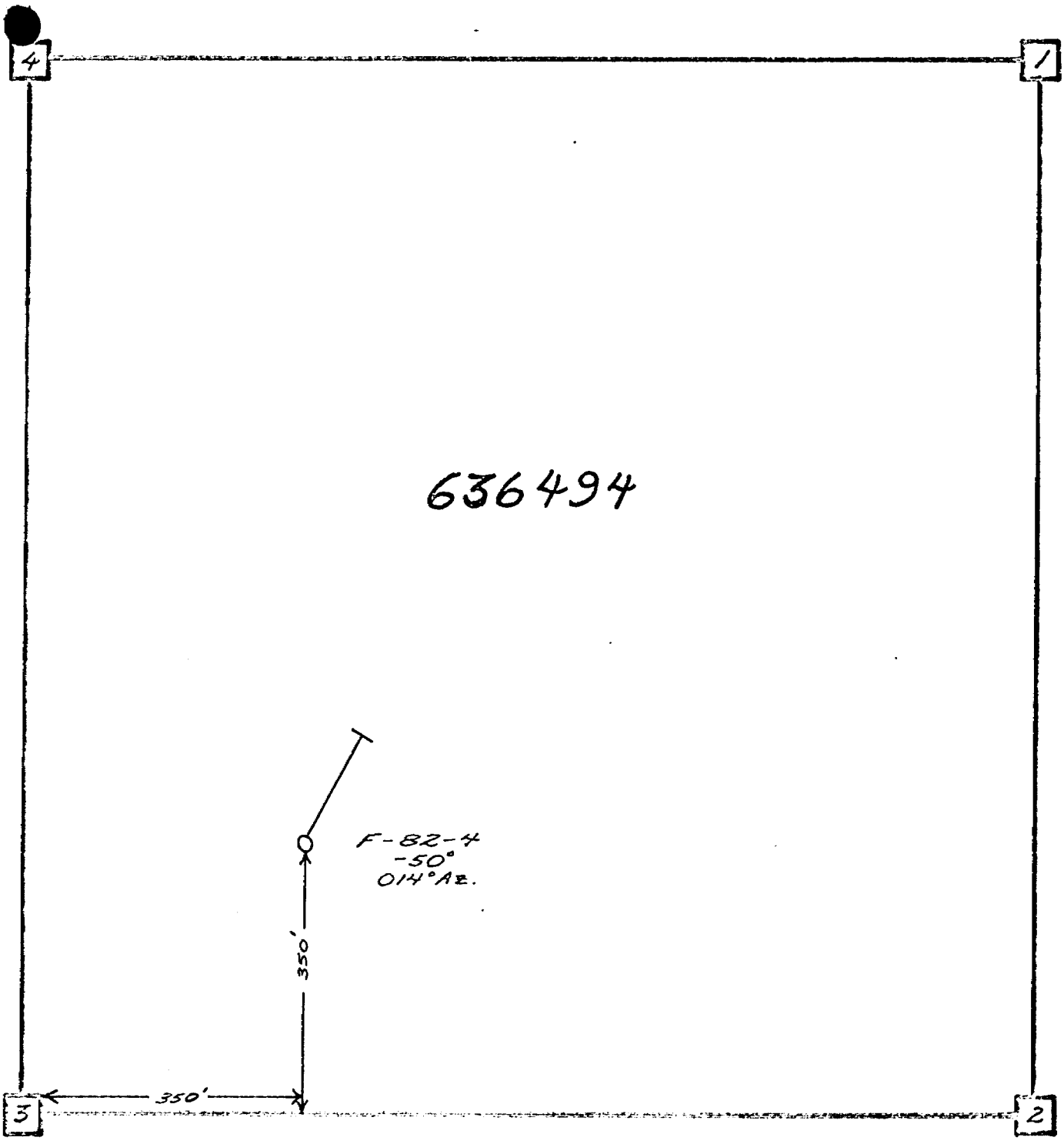
TOWNSHIP: Keith

REPORT NO.: 47

WORK PERFORMED BY: Hudbay Mining Ltd.

| CLAIM NO. | HOLE NO. | FOOTAGE | DATE | NOTE |
|---|---|---|---|---|
| P 636494 | F-82-4 | 132.8m | Nov/82 | (1) |
| P 626290 | F-82-3 | 158.8m | Nov/82 | (2) |
| P 626290 | F-82-7 | 120.7m | Nov/82 | (2) |
| P 626294 | F-82-8 | 224.3m | Nov/82 | (2) |

NOTES: (1) #12-83
(2) #13-83




HUDBAY MINING LTD.

DDH LOCATION SKETCH

Scale: 1:2000
(Imperial)

# DIAMOND DRILL RECORD & LOG

LOCATION: CARBONATE GROUP

PROPERTY: FOLEYET

HOLE NO: F-82-4

CLAIM NO. P636494
SECTION:
LOGGED BY: M.P. Corrigan
DATE LOGGED: 1982-11-11

LATITUDE: L 7+15W DEPARTURE: 1+00S
INCLIN: -50°
AZIMUTH: 014°
STARTED: 1982-11-08
COMPLETED: 1982-11-10
PURPOSE: To test an EM Conductor

LENGTH: 132.8m
CORE SIZE: B.Q.
DIP TESTS: @132.8m - 55°

ELEVATION:

DRILLED BY: Bradley Bros. Ltd.
DRILLED FOR: Hudbay Mining Ltd.

M.P. Corrigan

| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 0 | 5.4 | Overburden | | | | | | |
| 5.4 | 29.6 | Mafic Tuff | | | | | | |
| | | - dark grey-black to dark green | 787 | 8.0 | 9.5 | 1.5 | nil | nil |
| | | - fine grained ash predominates, but lapilli beds are common, light grey lapilli are sub-rounded and invariably carbonatized making them distinct from the matrix ash. | 788 | 11.3 | 12.8 | 1.5 | nil | nil |
| | | | 789 | 13.9 | 15.1 | 1.2 | nil | nil |
| | | - unit is high fractures @ various angles TCA; fractures are < 2mm, carbonate-filled, and often have gossany surfaces. | 790 | 19.2 | 20.7 | 1.5 | nil | nil |
| | | - unit is very highly silicified with 10-15% carbonate (locally to 30%) | 791 | 24.0 | 25.5 | 1.5 | nil | nil |
| | | - @ 13.9m, a 50cm fault zone @ 45° TCA; vuggy | | | | | | |
| | | - @ 14.7, a 40 cm fault zone; vuggy & gossany | | | | | | |
| | | - localized minor rock movements marked by quartz-carbonate stringer offsets & networks; stringer frequency increases with depth. | | | | | | |
| | | - 50-55 fractures per meter of core, 10-15 f/m average; @40-60° TCA & 25° TCA. | | | | | | |
| | | - @ 23.4m, 5 cm "chill zone"; pinkish-brown in colour; fractured, with interstitial chlorite developed; local "bleaching" during silicification of fractures | | | | | | |
| | | - @21.8 rounded lapilli to 3-4 cm (1-2 cm average) in a 30cm bed within a micaceous/chloritic matrix (matrix-supported); dark green to black 2-3mm glassy fiamme (?) may represent the remnants of carbonatized fragments | | | | | | |
| | | - Tr Po + Py along fractures | | | | | | |
| | | - lower contact undulatory & partially lost in fracturing, @ 20° TCA | | | | | | |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-4

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | Ag oz/T | Zn % |
|---|---|---|---|---|---|---|---|---|---|
| 29.6 | 31.3 | GRAPHITIC PELITE<br>- conductive<br>- dark grey to black<br>- fine grained to aphanitic<br>- initial 1.0m is a chloritized pelite which has been overprinted by silicification<br>- several 5cm serated graphite clasts (?) occur<br>- the graphitic bed is silicified such that it has a conchoidal fracture<br>- Po occurs as spherical to fusilinear-shaped masses to 3cm (avg. 1cm), whisps, and fine disseminations; @ 30.1m Cpy occurs with Po along a fracture plane; 10-20% Po + tr Cpy; Po lineation @ 15° TCA<br>- 10-15% matrix carbonate & occasional 1-2mm stringers.<br>- lower contact sharp @ 15° TCA | 792 | 29.6 | 31.3 | 1.7 | 0.001 | nil | 0.18 |
| 31.3 | 35.5 | PELITE-MAFIC TUFF<br>- mixed zone of fine grained clastic beds & ash flows; occasional lapilli as @ 33.4m<br>- main rock types as before<br>- 10-15% matrix carbonate + 1-3mm stringers @ 45° TCA<br>- pelite has 10% biotite<br>- unit is initially chloritic, but silicification increases with depth<br>- Tr Po + Py along fractures<br>- lower contact sharp @ 60° TCA | 793 | 31.3 | 32.8 | 1.5 | nil | nil | — |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-4

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | Ag oz/T | Zn % |
|---|---|---|---|---|---|---|---|---|---|
| 35.5 | 36.3 | GRAPHITE<br>- conductive<br>- as before @ 29.6m except:<br>- preceeded by a 30 cm grey quartz vein<br>- 5% carbonate in stringers<br>- Tr - 1% Cpy in spherical Po masses & along fractures<br>- lower contact diffuse, very highly serated; set @ 40° TCA | 794 | 35.5 | 36.3 | 0.8 | 0.006 | tr | 0.22 |
| 36.3 | 44.0 | RHYODACITE (LAPILLI) TUFF<br>- initially light grey /green, but colour becomes darker with depth due to mixing with metasediments<br>- predominantly ash but lapilli occur as @ 38.0m; lapilli to 4cm average 0.5-1cm; 4:1 elongation ratio; fusilinear-shaped lapilli; compositionally equivalent to the matrix, but lighter in colour; @ 15° TCA<br>- unit is very highly sericitized to 41.1m which is overprinted by silicification (silicification increases with depth); lower 0.5m is marked by a 3-5mm quartz-carbonate vein parallel to bedding which displays evidence of brecciation<br>- @ 41.1m to 43.6m, the unit becomes very fine grained, more mafic, and possibly intercalated with metasediments<br>- entire unit is marked by a pronounced absence of matrix carbonate; < 5% carbonate in 1-2mm stringers @ various angles TCA<br>- @ 42.5m a 40 cm quartz-carbonate vein terminates a lapilli bed on the upper surface while paralleling a lapilli bed at the lower contact; graphite/Po xenoliths occur in the vein; evidence of brecciation with angular quartz fragments<br>- Tr Po/Py along fractures; locally to 5%<br>- lower contact sharp @ 20° TCA | 795 | 38.4 | 39.9 | 1.5 | nil | nil | — |
| | | | 796 | 41.5 | 42.5 | 1.0 | nil | nil | 0.04 |
| | | | 797 | 42.5 | 42.9 | 0.4 | nil | nil | — |
| | | | 798 | 42.9 | 44.0 | 1.1 | nil | nil | — |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-4

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | Ag oz/T | Zn % |
|---|---|---|---|---|---|---|---|---|---|
| 44.0 | 68.6 | DACITE TUFF<br>- greyish-green<br>- fine grained<br>- ~ equivalent to the preceeding unit, but slightly more mafic (as in the lower section of above unit)<br>-initial 3.0m is brecciated & marked by 15-25% quartz-carbonate veinlets (1-10mm) @ 40-60° TCA; this portion of the unit is chloritized & contains 5-10% matrix carbonate<br>- ash beds occur beyond this zone; prominent, white, carbonatized xenocrysts in a dark matrix<br>- localized breccia zones @ 50.5m & 51.4m<br>- unit becomes increasingly mafic with depth (similar to the unit @ 5.4m); alternating Mafic/Dacitic beds, however mafics dominate<br>- occasional chloritic lapilli beds as @ 57.0m, 61.4m; @30-35° TCA<br>- unit becomes very tight with depth, <5% carbonate stringers + 10-20% matrix carbonate surrounding lapilli and ash<br>- very highly silicified, increases with depth<br>- Tr Po/Py, along fractures<br>- lower contact sharp @ 20° TCA | 799 | 44.0 | 45.5 | 1.5 | nil | nil | — |
| | | | 800 | 45.5 | 47.0 | 1.5 | nil | nil | — |
| | | | 1376 | 60.8 | 62.3 | 1.5 | nil | nil | — |
| | | | 1377 | 67.1 | 68.6 | 1.5 | nil | nil | — |
| 68.6 | 70.4 | GRAPHITE<br>- as before @ 35.5m except:<br>- silicified, < 5% carbonate which is mainly in the initial stringer sulfide zone; 10-20% Po<br>- initial 40cm of the sulfide zone contains Tr - 1% Cpy along fracture planes, followed by spherical masses, blebs, & disseminations of Po; sulfides are subparallel to parallel TCA<br>- lower contact undulatory, but sharp; set @ 20° TCA | 1378 | 68.6 | 70.4 | 1.8 | 0.001 | tr | 0.26 |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-4

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | Ag oz/T | Zn % |
|---|---|---|---|---|---|---|---|---|---|
| 70.4 | 75.4 | DACITE LAPILLI TUFF<br>- light grey<br>- similar to the previous Dacite @ 44.0m, however distinct, black, relatively circular, unflattened, lapilli are common ( < 1 cm)<br>- unit is very tight, with < 1% matrix and stringer carbonate to 73.5m beyond which graphitic xenoliths? (fragments) and 1-10mm quartz-carbonate veinlets occur ( ~ 5%) @ 40° TCA<br>- buff-coloured Rhyolitic fragments displaying internal cooling fractures occur @ 70.7m and 72.2m<br>- 1-5% disseminated and stringer Po; Po lineation @ 30° TCA<br>- lower contact sharp @ 45° TCA | 1379 | 70.4 | 71,9 | 1.5 | nil | nil | — |
| | | | 1380 | 71.9 | 73.4 | 1.5 | nil | nil | — |
| | | | 1381 | 73.4 | 75.4 | 2.0 | nil | nil | — |
| 75.4 | 75.9 | GRAPHITE<br>- as before @ 68.6 except:<br>- no stringer sulfide zone<br>- 10-20% Po as disseminations & spherical masses<br>- lower contact undulatory, but sharp; set @ 30° TCA | 1382 | 75.4 | 75.9 | 0.4 | 0.002 | tr | 0.27 |
| 75.9 | 94.6 | DACITE (LAPILLI) TUFF<br>- dark grey to black<br>- similar to the Dacite @ 70.4m<br>- indistinct grey lapilli in a darker matrix<br>- very tight, < 5%, 1-10mm, carbonate stringers<br>- alternating ash & lapilli beds<br>- unit becomes increasingly felsic & heterolithic with depth; both silicic & chloritic fragments occur; approaches a Rhyodacite; @ 35° TCA<br>- increasingly sericitized with depth<br>- @ 87.6 a 1.2m intersection of several 5-10cm zones of brecciated fragments in a bleached carbonatized matrix<br>- 1-3% disseminated Po + Py along fracture planes; Po lineation @ 35° TCA<br>- lower contact sharp @ 15° TCA; marked by a dramatic increase in matrix carbonate | 1383 | 75.9 | 77.4 | 1.5 | nil | nil | — |
| | | | 1384 | 77.4 | 78.9 | 1.5 | nil | tr | — |
| | | | 1385 | 78.9 | 80.4 | 1.5 | nil | nil | — |
| | | | 1386 | 83.8 | 85.3 | 1.5 | nil | nil | — |
| | | | 1387 | 85.3 | 86.8 | 1.5 | nil | nil | — |
| | | | 1388 | 90.2 | 91.7 | 1.5 | nil | nil | — |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-4

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 94.6 | 97.9 | ANDESITIC TUFF<br>- dark green to grey<br>- fine grained to aphanitic; occasional lapilli as @ the start of unit<br>- 10-15% carbonate in 1-5mm concordant/discordant stringers @ 0-80° TCA; 5-10% matrix carbonate<br>- chloritized, but overprinted by silicification<br>- no significant mineralization<br>- lower contact sharp @ 35° TCA | 1389 | 96.3 | 97.8 | 1.5 | nil | nil |
| 97.9 | 132.8 | DACITIC TUFF<br>- dark grey to brownish<br>- fine grained<br>- predominately ash, but lapilli are common<br>- initial 1.0m of core displays carbonate stringers as in previous unit (5-10%) but unit becomes very tight beyond with < 5% matrix carbonate<br>- @ 100.1m a 50cm sericitized zone<br>- @100.6m a 2.8m matrix-supported lapilli unit; lapilli are angular to sub-rounded, to 3cm, silicic; slightly stretched (1:2 ratio), and grey (against a tan matrix); lapilli are generally indistinct but >> harder than the matrix; size decreases with depth; occasional chloritic lapilli<br>- @ 107.0m a 1.8m silicic ash bed, with occasional lapilli<br>- @108.8 lapilli as before, but smaller in size (2-5mm)<br>- beyond, predominately ash which is darker in colour & more silicified<br>- @ 110.0 m; a 10cm breccia zone | 1390 | 101.9 | 103.4 | 1.5 | nil | nil |
| | | | 1391 | 105.4 | 106.4 | 1.0 | nil | tr |
| | | | 1392 | 106.4 | 106.7 | 0.3 | nil | tr |
| | | | 1393 | 106.7 | 107.7 | 1.0 | nil | nil |
| | | | 1394 | 113.1 | 114.6 | 1.5 | nil | tr |
| | | | 1395 | 119.4 | 120.1 | 0.7 | nil | nil |
| | | | 1396 | 120.1 | 120.9 | 0.8 | nil | nil |
| | | | 1397 | 125.2 | 126.7 | 1.5 | nil | nil |
| | | | 1398 | 131.3 | 132.3 | 1.0 | nil | nil |

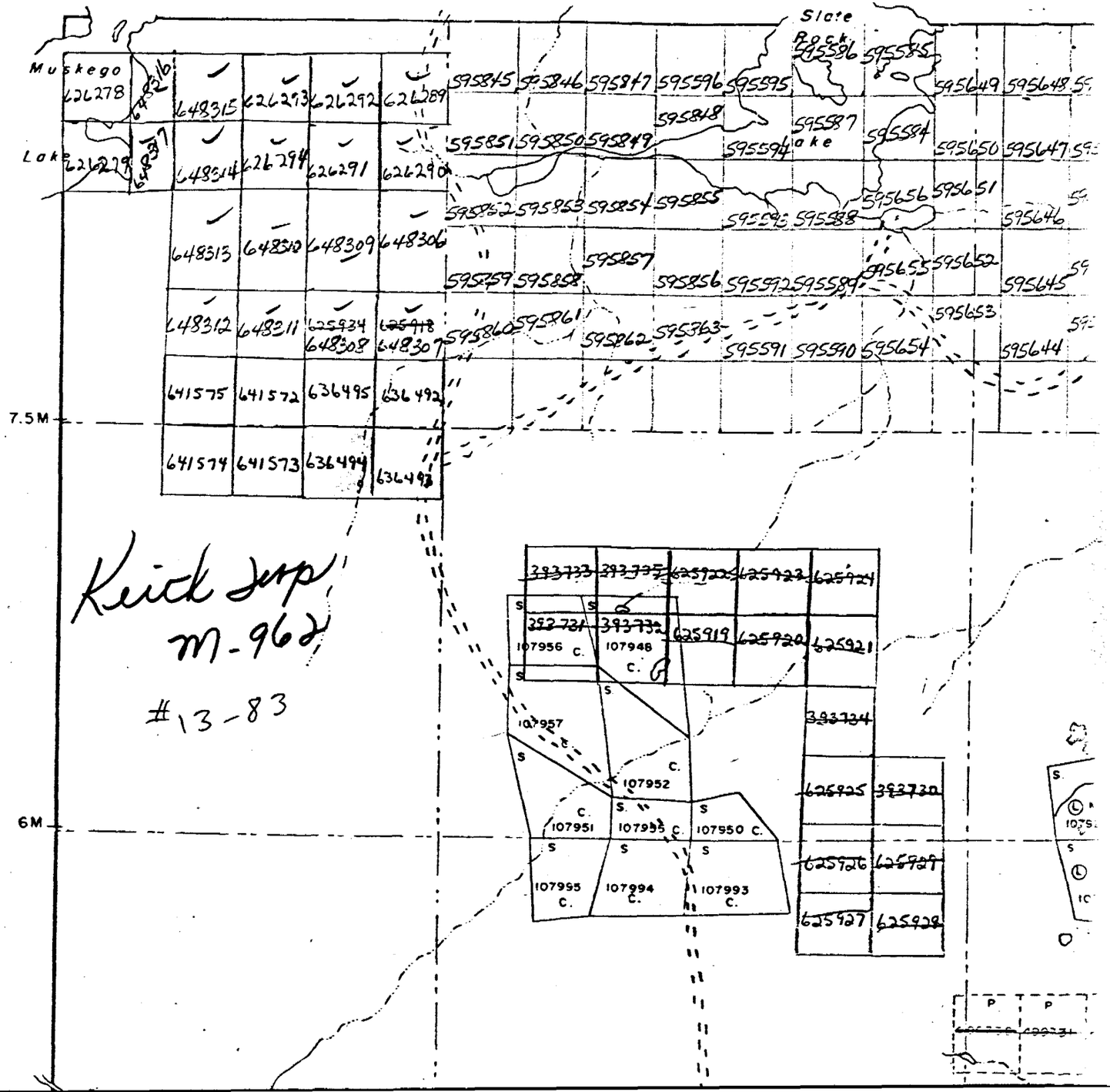
DIAMOND DRILL RECORD & LOG

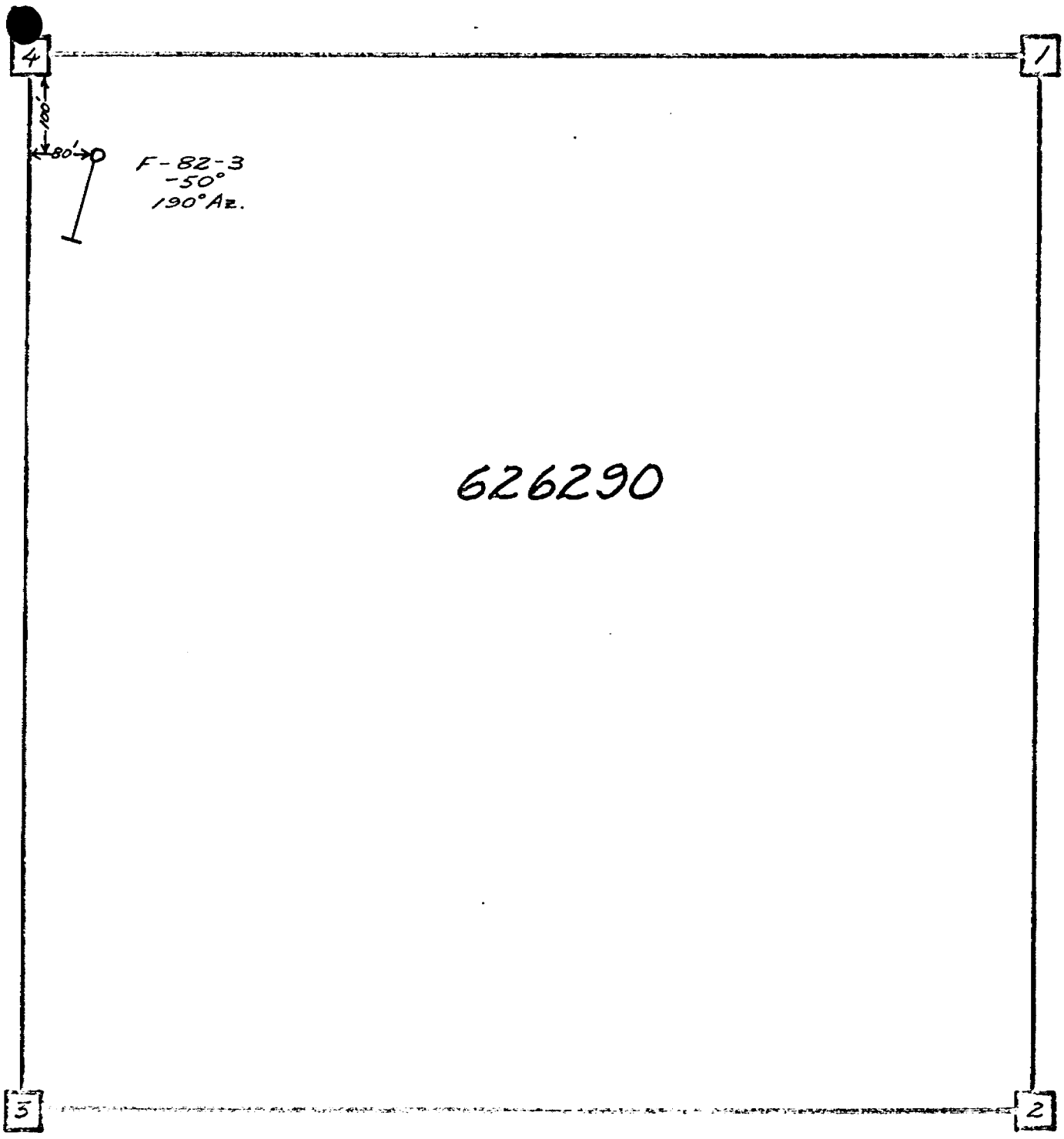
HOLE NO: F-82-4

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| | | - numerous carbonate stringers @ various angles TCA in the lower ash bed; a preferred orientation of 70-80° TCA is displayed in sausseritized zones surrounding the stringers; the larger zones (to 8cm) appear as felsic fragments<br>- occasional 3-5mm anhedral plagioclase as @ 113.7m<br>- several 3-5 cm quartz-carbonate veinlets<br>- "felsic banding" (larger sausseritized zones) common between 118.0m and 125.0m; up to 50% carbonate in these zones.<br>- several lapilli beds occur in the lower portion of the hole, as @ 124.4m<br>- silicification decreases downhole, chlorite content increases, as does % carbonate to 10-20%.<br>- Tr Po + Py along fractures, up to 10% locally (<1.0m) in stringers<br><br>NOTE: Core checked with spectrometer and UV lamp; no anomalous results were obtained | | | | | | |


Muskego
Lake
State
Lake
7.5M
6M
Keick Jap
M-962
#13-83

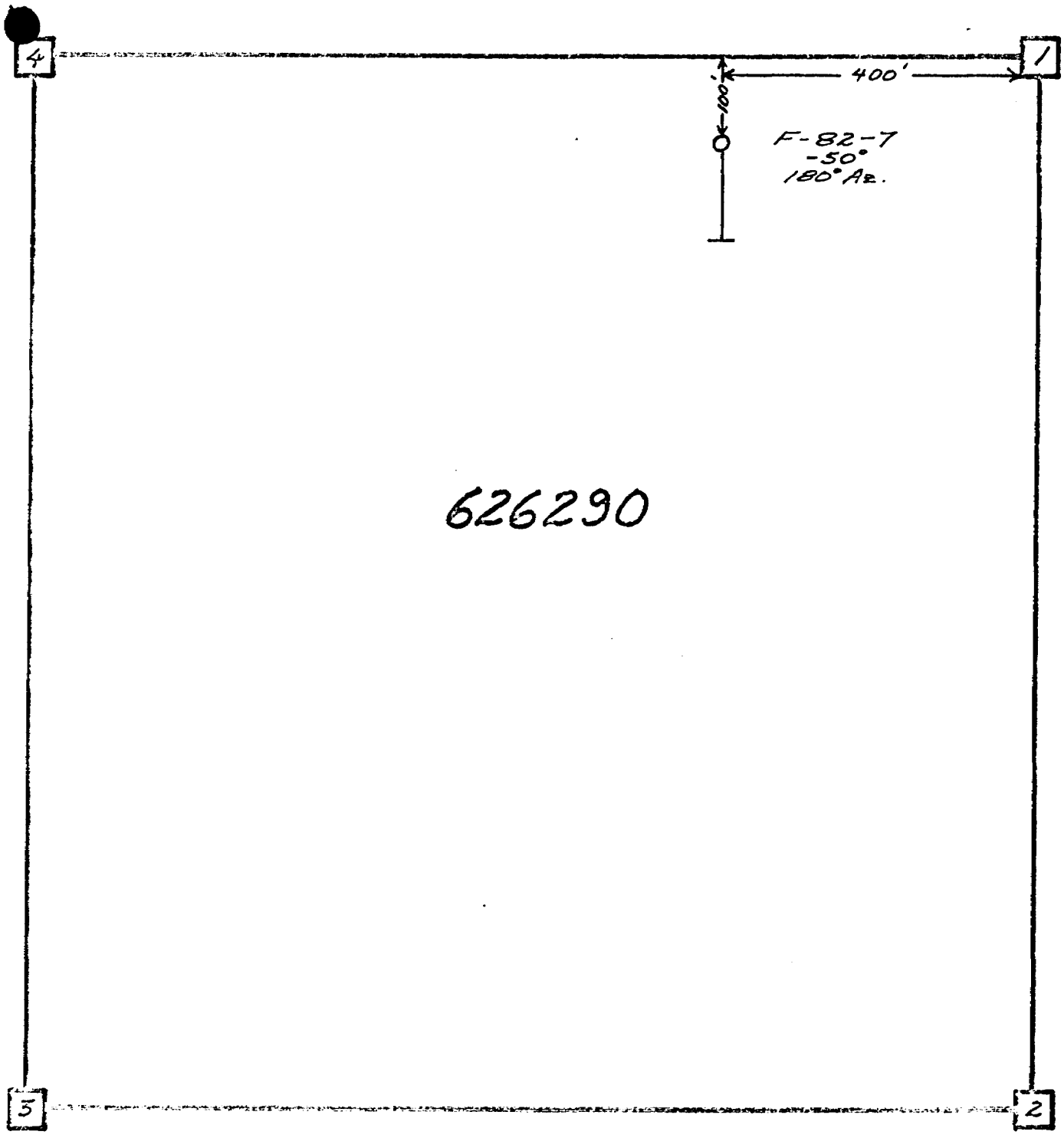



626290

HUDBAY MINING LTD.

DDH LOCATION SKETCH

Scale: 1:2000
(Imperial)

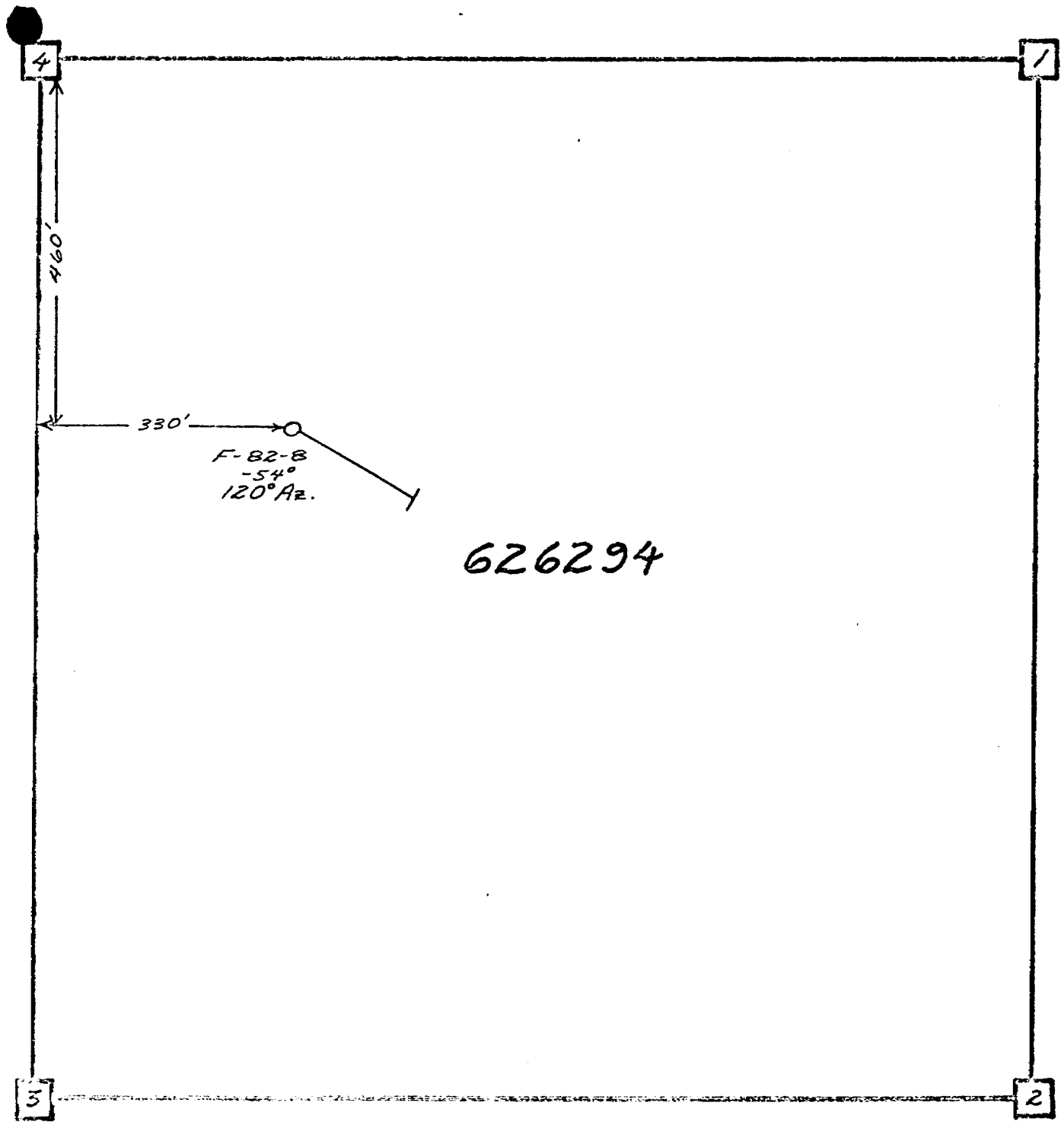



626290

HUDBAY MINING LTD.

DDH LOCATION SKETCH

Scale: 1:2000
(Imperial)




626294

HUDBAY MINING LTD.

DDH LOCATION SKETCH

Scale: 1:2000
(Imperial)

# DIAMOND DRILL RECORD & LOG

**LOCATION:** BOUNDARY GROUP

**PROPERTY:** FOLEYET

**HOLE NO:** F-82-3

**LATITUDE:** L4+00W **DEPARTURE:** 0+20N

**INCLIN:** -50°

**AZIMUTH:** 190°

**STARTED:** 1982-11-04

**COMPLETED:** 1982-11-06

**PURPOSE:** To test an EM Conductor

**LENGTH:** 158.8m

**CORE SIZE:** BQ

**DIP TESTS:** -48° @ 117.7m

**ELEVATION:**

**DRILLED BY:** Bradley Bros Ltd.

**DRILLED FOR:** Hudbay Mining Ltd.

**CLAIM NO.** P626290

**SECTION:**

**LOGGED BY:** M.P. Corrigan

**DATE LOGGED:** 82-11-07

M.P. Corrigan

| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | Ag oz/T | Cu % |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 27.4 | Overburden | | | | | | | |
| 27.4 | 37.0 | DACITIC TUFF<br>- light brown to grey<br>- 1-2mm distinct ash<br>- massive, no apparent bedding<br>- @ 36.3m lapilli appear<br>- @34.4m unit becomes brecciated & carbonate content increases to 10-15%; sub-rounded to sub-angular breccia fragments are highlighted by carbonate<br>- breccia zone is intercalated with underlying unit, but it lacks graphite<br>- 32.3m to 34.3m, 70% core recovery<br>- 1-5% Po disseminated along fracture planes & as stringers; % sulfides increases with increasing carbonate content<br>- lower contact sharp @ 45° TCA | 753 | 35.5 | 37.0 | 1.5 | nil | nil | 0.03 |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-3

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | Ag oz/T | Zn % |
|---|---|---|---|---|---|---|---|---|---|
| 37.0 | 45.7 | GRAPHITIC PELITE/PSAMMITE<br>- Conductive<br>- unit consists of silicified graphite beds alternating with pelite/ psammite beds<br>- grey in colour<br>- @ 37.0m, a 60cm graphite bed with 3-5% Po + Py in stringers and disseminated along bedding planes & ~1% Cpy in lower 20cm of the bed; 5% carbonate in gash veins<br>- @ 37.6m, a 2.8m psammite bed with occasional 2-3mm quartz clasts; 2-3 beds occur in a fining downhole sequence; upper portion of the beds is sericitized while the lower 10cm is silicified; contains 3-5% finely disseminated Po + Py.<br>- unit becomes heterogenous beyond the psammite beds; graphite beds of several cm's to 60cm in width, @ 50° TCA; graphite is "dirty", non-conductive, appears to be fragmentary, and contains 3-5% Py in stringers & disseminations + Tr Cpy<br>- graded bedding @ 37.6m & 43.6m; fining downhole<br>- @43.2m possible cross-bedding; grain lineation defines a curvilinear bedding surface.<br>- chloritized, 5-10% carbonate (concentrated in graphite beds)<br>- lower contact gradational due to mixing with underlying unit; @ 50° TCA | 754 | 37.0 | 37.6 | 0.6 | tr | nil | 0.47 |
| | | | 755 | 39.4 | 41.1 | 1.7 | nil | nil | 0.09 |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-3

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 45.7 | 54.7 | DACITIC TUFF<br>- as before @ 27.4 except;<br>- finer grained & lighter green in colour<br>- unit is initially more mafic than before, but it approaches a Rhyodacitic composition @ the lower contact<br>- initial 3.0m displays brecciation @ various, localized, sections of core (i.e. 46.3m); angular fragments<br>- @ 50.1m, a 20cm zone of tuff/metasediment; biotite-bearing fragments appear; unit becomes a lapilli tuff @ this point; lapilli to a few cm's; % sulfides increases to 3% Py + Po (from Tr) in stringers, whisps, and fine disseminations; chlorite content decreases, while silicification increases<br>- lapilli are composed of whitish-grey siliceous & indistinct chloritic fragments; 5-10% carbonate in lapilli zone<br>- welding apparent in lower 1.0m to 1.5m<br>- lower contact sharp @ 50° TCA | 756 | 50.6 | 52.1 | 1.5 | nil | nil |
| 54.7 | 61.9 | ANDESITIC (DACITIC) LAPILLI TUFF<br>- dark grey<br>- medium grained<br>- heterolithic, possibly intermixed with a fine grained metasediment<br>- biotite-rich and siliceous Dacitic fragments (the latter displays shrinkage cracks); to several cm's, average 1 cm.<br>- some fragments appear to have been fractured in-situ, while carbonate & Al-silicates formed around them<br>- no evidence of welding<br>- Dacitic fragments increase in size and number downhole<br>- Tr Po + Py along fractures<br>- fragments aligned @ 50° TCA<br>- lower contact sharp @ 55° TCA | | | | | | |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-3

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 61.9 | 63.7 | PSAMMITE<br>- initially dark grey to black, but colour lightens with depth due to decrease in % biotite<br>- initially medium grained, but size decreases to fine with depth<br>- initial 15cm bed is followed by one thick bed which displays excellent grading; matrix supported.<br>- unit resembles a "pisolitic tuff" due to rounded 1-3mm milky quartz + bluish feldspar grains<br>- occasional chloritic fragments (?) as @ 63.3m<br>- no significant mineralization<br>- lower contact undulatory; but sharp @ 60° TCA | 758 | 61.9 | 63.7 | 1.8 | nil | nil |
| 63.7 | 75.5 | RHYODACITE TUFF<br>- light grey/green<br>- fine grained with occasional lapilli to 1 cm<br>- ash is generally indistinct and unit has a massive flow-like appearance<br>- lapilli are slightly harder than the matrix & contain sulfides as @ 67.2m<br>- occasional black "fiamme-like" fragments, 0.5 cm in size<br>- unit is tight with occasional breccia zones as @ 74.5m<br>- 15-20% matrix carbonate & occasional discordant stringers<br>- sericite content increases with depth, while chlorite content decreases<br>- Tr - 5% disseminated & stringer Py<br>- banding @ 65° TCA<br>- 3cm zone of 5-8mm amygdules @ 75.1m<br>- lower contact diffuse; set @ 55° TCA | 759 | 67.0 | 67.2 | 0.2 | nil | nil |
| | | | 760 | 74.1 | 75.5 | 1.4 | nil | nil |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-3

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 75.5 | 80.3 | PSAMMITE<br>- as before @ 61.9m, except:<br>- colour is homogeneously grey<br>- several beds visible, grading evident with fining downhole<br>- "pisolitic" appearance as before<br>- silicified with 5-10% matrix carbonate & occasional stringers @ various angles TCA<br>- plagioclase grains are partially sausseritized<br>- biotite content is >> than before<br>- Tr disseminated euhedral Py<br>- lower contact sharp @ 60° TCA | 761 | 78.7 | 80.2 | 1.5 | nil | nil |
| 80.3 | 86.2 | RHYODACITE TUFF<br>- as before @ 63.7m, except;<br>- initially lapilli, to several cm's, are common but unit becomes more ash-like with depth, however lapilli persist<br>- lapilli have a 3:1 elongation ratio as @ 83.5m; 50° TCA<br>- initially sericitized, but silicification increases with depth<br>- 10-15% matrix carbonate + stringers @ various angles TCA<br>- again, sulfides appear to be concentrated in & about lapilli<br>- Tr - 1% disseminated & whisps of Py; locally to 5% over 10-15cm in lapilli-rich zones<br>- lower contact sharp @ 50° TCA | | | | | | |
| 86.2 | 88.2 | CRYSTAL TUFF (?)<br>- grey<br>- fine grained matrix with 0.5-1cm subhedral randomly oriented, porphyritic plagioclase laths (whitish in colour); uniform lath size<br>- similar in appearance to psammite beds except the laths are distinct, less ordered, and well-developed<br>- mafic to intermediate in composition<br>- 10% matrix carbonate<br>- no significant mineralization<br>- lower contact sharp @ 45° TCA | 762 | 86.2 | 88.2 | 2.0 | nil | nil |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-3

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 88.2 | 115.9 | RHYODACITE (LAPILLI) TUFF | | | | | | |
| | | - locally conductive | 763 | 94.1 | 95.6 | 1.5 | nil | nil |
| | | - similar to previous Rhyodacite except: | 764 | 95.6 | 96.7 | 1.1 | nil | nil |
| | | - more siliceous | 765 | 96.7 | 98.2 | 1.5 | nil | nil |
| | | - lapilli are more distinct & larger; @ 50° TCA | 766 | 98.2 | 99.7 | 1.5 | nil | nil |
| | | - initially tuffaceous, lapilli appear @ 94.1m | 767 | 99.7 | 100.4 | 0.7 | nil | nil |
| | | - lapilli are buff-coloured and Rhyolitic in composition (similar to underlying unit); 2-3 cm breccia zones often found around these lapilli | 768 | 100.4 | 101.9 | 1.5 | nil | nil |
| | | | 769 | 101.9 | 103.4 | 1.5 | nil | nil |
| | | | 770 | 106.7 | 108.2 | 1.5 | 0.004 | nil |
| | | - sulfides are located in the more felsic portions of the unit & are associated with carbonate; pyrite is often euhedral to subhedral; some of the sulfides appear as fragments; Py is concentrated in the central portion of the unit & is flanked by Po; up to 10% Py + 5% Po in disseminations and whisps in a zone @ 95.6m to 103.4m | 771 | 109.8 | 110.8 | 1.0 | 0.016 | nil |
| | | - unit becomes tuffaceous beyond sulfide zone, distinct ash | | | | | | |
| | | - overall the unit is very siliceous and contains 20-25% matrix & stringer carbonate | | | | | | |
| | | - lapilli reappear @ 105.6m & again a sulfide rich zone occurs; 5-8% Po & Py in whisps & disseminations | | | | | | |
| | | - carbonate content increases to 50% with depth | | | | | | |
| | | - @ 109.8, a 1.5m carbonatized breccia zone, followed by a chloritized ash unit | | | | | | |
| | | - @ 112.9, a 70 cm crystal tuff bed as @ 86.2m but the plagioclase crystals have a preferred (weakly developed) orientation & display zoning | | | | | | |
| | | - the lower portion of the unit is a mixed lapilli & ash zone | | | | | | |
| | | - lower contact sharp @ 45° TCA | | | | | | |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-3

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | Ag oz/T | Zn % |
|---|---|---|---|---|---|---|---|---|---|
| 115.9 | 130.4 | RHYOLITIC TUFF | | | | | | | |
| | | - hosts a portion of the conductor | | | | | | | |
| | | - buff to light green | | | | | | | |
| | | - very fine grained to aphanitic with occasional angular lapilli | | | | | | | |
| | | - 10-20% matrix carbonate | 772 | 117.6 | 119.1 | 1.5 | tr | nil | — |
| | | - unit is very tight; banded @ 50° TCA | 773 | 119.1 | 120.6 | 1.5 | tr | nil | — |
| | | - @ 121.8m to 127.9m (6.1m) 70-80% Py + 1-3% Po; Rhyolite fragments | 774 | 120.6 | 121.8 | 1.2 | nil | nil | — |
| | | in sulfide zone are common; Py is massive to subhedral/euhedral; | 775 | 121.8 | 123.3 | 1.5 | nil | nil | — |
| | | upper sulfide contact @ 50° TCA, lower @ 60° TCA | | | | | | | |
| | | - beyond the sulfide zone unit is as before | 776 | 123.3 | 124.8 | 1.5 | tr | nil | — |
| | | - lower contact sharp @ 55° TCA | 777 | 124.8 | 126.3 | 1.5 | nil | nil | — |
| | | | 778 | 126.3 | 127.9 | 1.6 | nil | nil | — |
| | | | 779 | 127.9 | 129.9 | 2.0 | nil | nil | — |
| | | | 780 | 129.9 | 130.4 | 0.5 | nil | nil | — |
| 130.4 | 133.3 | DACITE (ANDESITE) TUFF | | | | | | | |
| | | - initial 0.5m is brecciated with 60-70% carbonate and quartz veining | 781 | 130.4 | 130.9 | 0.5 | nil | nil | 0.07 |
| | | & 1-3% disseminated Po | | | | | | | |
| | | - followed by distinct ash to 3-4mm | | | | | | | |
| | | - @131.4m pisolites? (very similar to psammite previously described) | | | | | | | |
| | | - light grey, generally fine grained | | | | | | | |
| | | - variably chloritic | | | | | | | |
| | | - Rhyolitic blocks in lower portion of the unit | | | | | | | |
| | | - 10-15% matrix & stringer carbonate | | | | | | | |
| | | - 1-3% disseminated Po with an occasional stringer | | | | | | | |
| | | - lower contact sharp @ 60° TCA | | | | | | | |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-3

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 133.3 | 158.8 | RHYOLITIC TUFF<br>- as before @ 115.9m except:<br>- portions of the unit are Dacitic<br>- initial 1.5m hosts fracture -filling sulfides<br>- @ 137.0m, a 1.4m black lamprophyre dyke; 5-10% anhedral carbonate crystals occur locally (over 10-20cm); to 3mm<br>- unit is mainly tuffaceous, but blocks & lapilli are common as @ 144.0m<br>- @155.6m sulfide fragments (?); 8-10% Po from 154.6m to 156.8m<br>- unit is variably silicified & chloritized with minor sericite<br>- 10-20% matrix carbonate; stringers occur in the Dacitic portions of the unit<br><br>NOTE: Core checked with spectrometer and U.V. lamp; no anomalous results were obtained. | 782 | 133.3 | 134.8 | 1.5 | nil | nil |
| | | | 783 | 137.0 | 138.4 | 1.4 | nil | nil |
| | | | 784 | 143.4 | 144.9 | 1.5 | nil | nil |
| | | | 785 | 150.3 | 151.8 | 1.5 | nil | nil |
| | | | 786 | 154.6 | 156.8 | 2.2 | nil | nil |

# DIAMOND DRILL RECORD & LOG

**LOCATION:** BOUNDARY GROUP **PROPERTY:** FOLEYET **HOLE NO:** F-82-7

**LATITUDE:** L1+70W **DEPARTURE:** 0+15N
**INCLIN:** -50°
**AZIMUTH:** 180°
**STARTED:** 1982-11-23
**COMPLETED:** 1982-11-24
**PURPOSE:** To test an EM Conductor

**LENGTH:** 120.7m
**CORE SIZE:** BQ
**DIP TESTS:** Test did not work

**ELEVATION:**

**DRILLED BY:** Bradley Bros. Ltd.
**DRILLED FOR:** Hudbay Mining Ltd.

**CLAIM NO.** P626290
**SECTION:**
**LOGGED BY:** M.P. Corrigan
**DATE LOGGED:** 1982-11-25

M.P. Corrigan

| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 0 | 29.3 | Overburden | | | | | | |
| 29.3 | 30.8 | REAMING CASING - LOST CORE | | | | | | |
| 30.8 | 65.8 | RHYODACITE TUFF<br>- light grey-green<br>- predominately fine grained ash with rare lapilli<br>- initial 30cm is a silicified/sericitized metasediment<br>- followed by 1.6m of a medium grained flow(?)/ tuff; lower 10cm is "bleached" to a light green colour; very fine garnets in a 3-5mm quartz vein @ the lower contact<br>- unit is very highly sericitized with lesser chlorite in irregular 1-3mm whisps (fragment remnants?)<br>- breccia zones @ 36.7m (20cm) & 37.2m (10cm)<br>- lapilli appear @ 48.2m; angular to sub-rounded, 3mm to 20mm, matrix-supported fragments which are buff coloured & harder than the matrix @ 70° TCA<br>- @ 50.7m is the first occurence of Rhyolitic fragments to several cm's intermixed with fusiform chloritic lapilli; persists to the end of the unit.<br>-@ 47.6m & 53.7m, 2-3mm carbonate-filled vesicles<br>- 15-20% matrix carbonate & 5-10% concordant to discordant 1-2cm quartz-carbonate stringers<br>- @52.2m a 20cm section of core with 1-5mm vugs<br>- Rhyolitic fragments increase in frequency from 53.7m, downhole; block-size fragments common, as @ 59.7m | 1468<br>1469<br>1470<br>1471<br>1472<br>1473<br>1474 | 30.8<br>31.2<br>40.2<br>43.6<br>48.1<br>56.7<br>62.8 | 31.2<br>32.2<br>41.7<br>45.1<br>49.6<br>58.2<br>64.3 | 0.4<br>1.0<br>1.5<br>1.5<br>1.5<br>1.5<br>1.5 | .001<br>nil<br>nil<br>nil<br>.004<br>nil<br>nil | nil<br>nil<br>nil<br>nil<br>nil<br>nil<br>nil |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-7

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 30.8 | 65.8 | con't<br>- silicification increases with depth as does carbonatization (to 30%)<br>- tr - 1% disseminated & stringer Po & Py & tr Cpy @ the start of the unit<br>- lower contact sharp @ 55° TCA | | | | | | |
| 65.8 | 75.2 | CRYSTAL TUFF<br>- light grey<br>- fine to coarse grained, equant, subhedral, white plagioclase phenocrysts in a sericite/chlorite matrix<br>- plagioclase has "pressure shadows" and displays a moderately strong preferred orientation @ 60° TCA, to 66.9m<br>- initial 40cm is very highly chloritized & contains up to 40% matrix carbonate; original mineralogy has been obscured<br>- @ 66.9m a Dacitic (lapilli) tuff bed occurs; felsic lapilli are common<br>- crystal tuff re-appears @ 69.1m (2.2m bed); contains chloritized whisps to several centimetres within a quartz veining network; crystals are more random than before; crystal size decreases downhole and annealing of phenocrysts occurs<br>- @ 71.3m the unit again takes on a fragmental/tuff appearance, with occasional felsic lapilli<br>- @74.0m a 1.2m pisolitic bed; no obvious grading; 50% matrix carbonate<br>- overall, 20-30% matrix & stringer carbonate<br>- tr - 3% disseminated & stringer Po/Py<br>- lower contact sharp @ 55° TCA | 1475 | 66.9 | 68.4 | 1.5 | nil | nil |
| | | | 1476 | 69.1 | 71.3 | 2.2 | nil | nil |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-7

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 75.2 | 87.5 | RHYODACITE (DACITE) TUFF | | | | | | |
| | | - grey-green | 1477 | 75.2 | 76.7 | 1.5 | nil | nil |
| | | - @ 75.2m, 4.1m of indistinct sericitized ash beds | | | | | | |
| | | - @ 79.3m a 30cm bed of distinct 3-5mm black ash set in a whitish-grey carbonatized matrix | 1478 | 77.7 | 79.2 | 1.5 | nil | nil |
| | | - @79.6 a 1.4m pisolitic tuff bed, displaying gross fining downhole; | 1479 | 84.5 | 86.0 | 1.5 | nil | nil |
| | | pisolites are weakly sausseritized plagioclase | 1480 | 86.0 | 87.5 | 1.5 | nil | nil |
| | | - lapilli to several cm's appear beyond the pisolite bed; lapilli are annealed felsic fragments that are relatively distinct from the matrix & impart a banded appearance @ 60° TCA | | | | | | |
| | | - tr-3% disseminated & whisps of Po/Py | | | | | | |
| | | - lower contact gradational, set @ 65°TCA | | | | | | |
| 87.5 | 91.6 | RHYOLITE TUFF | | | | | | |
| | | - buff to light green | 1481 | 87.5 | 89.4 | 1.9 | nil | nil |
| | | - aphanitic to fine grained matrix with "ghost" ash & lapilli outlined | 1482 | 89.4 | 90.7 | 1.3 | nil | nil |
| | | by Po | 1483 | 90.7 | 91.6 | 0.9 | nil | nil |
| | | - hosts the conductor which is initially Po, followed by Py; to 10% sulfides in disseminations, whisps, masses to 2cm, and fracture-fillings | | | | | | |
| | | - very siliceous; sericitization is overprinted by silicification; < 5% carbonate as fracture fillings | | | | | | |
| | | - lower contact sharp @ 60° TCA | | | | | | |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-7

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 91.6 | 108.8 | ANDESITIC (DACITIC) TUFF<br>- light to medium green, changes to tan by lower contact<br>- ash with occasional indistinct lapilli<br>- 1-2mm chloritoid (?) clots @ 91.6m, 40cm<br>- initially Andesitic in composition, but approaches a Rhyodacite @ the lower contact; very gradual compositional changes; banding @ 60°TCA<br>- initially very chloritic, but chlorite content decreases with depth, as sericitization increases<br>- 20-30%, 2-10mm, concordant to discordant carbonate stringers; 10-15% matrix carbonate<br>- minor, localized brecciation as @ 97.8m & 98.6m<br>- felsic fragment @ 105.0m<br>- tr-1% Po/Py in whisps, disseminations, & along fracture planes<br>- lower contact sharp @ 60° TCA | 1484 | 91.6 | 93.2 | 1.6 | nil | nil |
| | | | 1485 | 93.2 | 94.7 | 1.5 | nil | nil |
| | | | 1486 | 96.1 | 97.6 | 1.5 | nil | nil |
| | | | 1487 | 99.1 | 100.6 | 1.5 | nil | nil |
| | | | 1488 | 105.0 | 106.5 | 1.5 | nil | nil |
| 108.8 | 112.5 | CRYSTAL TUFF<br>- light grey<br>- fine to medium grained<br>- crystals are initially indistinct, but visible; composed of 1-3mm partially sausseritized plagioclase<br>- distinct crystals @ 111.6m<br>- no preferred alignment<br>- minor sericitization; < 5% matrix carbonate + rare stringers<br>- no significant mineralization<br>- lower contact sharp @ 55° TCA | 1489 | 108.8 | 110.3 | 1.5 | nil | trace |
| 112.5 | 120.7 | DACITE LAPILLI TUFF<br>- light grey/green<br>-- distinct fusiform-shaped matrix-supported lapilli; buff-coloured felsic fragments to 2cm (0.5cm avg.)<br>- unit is initially Rhyolitic, to 114.6m<br>- very highly sericitized; 15-20% matrix carbonate + 5% stringers subparallel to fragment alignment (@ 40°-55° TCA)<br>- no significant mineralization<br><br>NOTE: Core checked with spectrometer & U.V. lamp; no anomalous results were obtained | 1490 | 117.7 | 119.2 | 1.5 | nil | nil |

# DIAMOND DRILL RECORD & LOG

LOCATION: BOUNDARY GROUP (WEST CONDUCTOR)

PROPERTY: FOLEYET

HOLE NO: F-82-8

LATITUDE: L1+25 S DEPARTURE: 0+75 W
INCLIN: -54°
AZIMUTH: 120°
STARTED: 1982-11-26
COMPLETED: 1982-11-30
PURPOSE: to test EM conductor

LENGTH: 224.3m
CORE SIZE: BQ
DIP TESTS: test did not work

ELEVATION:

DRILLED BY: Bradley Bros. Ltd.
DRILLED FOR: Hudbay Mining Ltd.

CLAIM NO. P626294
SECTION:
LOGGED BY: M. P. Corrigan
DATE LOGGED: 1982-12-05, 06

M. P. Corrigan

| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 0 | 21.3 | Overburden | | | | | | |
| 21.3 | 106.8 | Rhyodacite Tuff | | | | | | |
| | | - light grey-green | 1491 | 27.7 | 29.3 | 1.6 | nil | nil |
| | | - predominantly ash to 5mm; felsic lapilli are common | 1492 | 33.3 | 35.2 | 1.9 | nil | nil |
| | | - unit is variably sericitized, averaging <10%, but in and about vuggy fractures, sericitization masks the original mineralogy; sericite % increases with depth | 1493 | 35.2 | 36.5 | 1.3 | nil | nil |
| | | | 1494 | 36.5 | 37.9 | 1.4 | nil | nil |
| | | - unit is silicified and contains 20-25% matrix carbonate + <5% carbonate stringers @ various angles TCA; silicification increases slightly with depth | 1495 | 41.4 | 42.9 | 1.5 | nil | nil |
| | | | 1496 | 48.9 | 50.7 | 1.8 | nil | nil |
| | | - @ 38.5 an 0.7m feldspar-phyric crystal tuff bed occurs; equant subhedral to euhedral plagioclase displays partial sausseritization and no preferred alignment | 1497 | 54.9 | 56.4 | 1.5 | nil | nil |
| | | | 1498 | 56.4 | 57.7 | 1.3 | nil | nil |
| | | | 1499 | 57.7 | 59.2 | 1.5 | trace | nil |
| | | - @ 33.3 a 4.0m section of badly broken and vuggy core (10% lost core); no evidence of fault gouge; a similar section of core re-appears @ 49.0m for 1.5m of length | 1500 | 59.2 | 60.8 | 1.6 | nil | nil |
| | | | 1501 | 60.8 | 62.3 | 1.5 | nil | nil |
| | | - prominent rhyolite bands appear @ ~56.0m; these bands may represent large fragments; clear to whitish, 3-5mm, quartz "eyes" occur in several of these bands as @ 64.8m. | 1502 | 62.3 | 63.8 | 1.5 | nil | nil |
| | | | 1503 | 63.8 | 65.3 | 1.5 | nil | nil |

| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 21.3 | 106.8 | Rhyodacite Tuff (Cont'd) | 1504 | 69.7 | 71.9 | 2.2 | nil | nil |
| cont'd | | - occasional blue quartz "eyes" as @ 58.1 | 1505 | 75.0 | 76.5 | 1.5 | nil | nil |
| | | - banded felsic unit @ 64.9-65.7 | 1506 | 76.5 | 77.5 | 1.0 | nil | nil |
| | | - @ 71.9 as 0.8m crystal tuff bed occurs; as before; the tuff is followed by 2.3m of another crystal tuff bed that has a very highly sericitized/chloritized matrix (this bed resembles a lithified fault gauge) | 1507 | 77.5 | 79.0 | 1.5 | nil | nil |
| | | | 1508 | 85.2 | 86.7 | 1.5 | nil | nil |
| | | | 1509 | 86.7 | 88.2 | 1.5 | nil | nil |
| | | | 1510 | 93.3 | 94.8 | 1.5 | nil | nil |
| | | | 1511 | 94.8 | 96.4 | 1.6 | nil | nil |
| | | | 1512 | 99.2 | 100.7 | 1.5 | nil | nil |
| | | - @ 77.5 an acicular 1-2mm mineral, likely tourmaline, occurs | 1513 | 105.3 | 106.8 | 1.5 | nil | nil |
| | | - @ 80.6 an 0.2m breccia zone occurs; angular fragments in a carbonate cement | | | | | | |
| | | - @ 97.8m an 0.5m felsic block occurs | | | | | | |
| | | - banding @ 30-40% TCA, fracturing @ 55° | | | | | | |
| | | - Tr-1% finely disseminated Po + Py, locally to 5%; occasional whisps of Po, often containing traces of Cpy; locally conductive | | | | | | |
| | | - lower contact sharp @ 40° TCA | | | | | | |
| 106.8 | 118.2 | Rhyolitic Tuff | | | | | | |
| | | - light grey-green to tan | | | | | | |
| | | - fine grained ash predominates | 1514 | 106.8 | 108.3 | 1.5 | nil | nil |
| | | | 1515 | 108.3 | 109.8 | 1.5 | nil | nil |
| | | - hosts a portion of the conductor; sulfide appears @ 107.3m | 1516 | 109.8 | 111.3 | 1.5 | nil | nil |
| | | - the unit resembles the previous one but it is more felsic | 1517 | 111.3 | 112.8 | 1.5 | nil | nil |
| | | - alternative chloritization/sericitization & silicification imparts a banded appearance | 1518 | 112.8 | 114.3 | 1.5 | nil | nil |
| | | | 1519 | 114.3 | 116.5 | 2.2 | nil | nil |
| | | | 1520 | 116.5 | 117.4 | 0.9 | nil | nil |
| | | - pronounced absence of matrix carbonate; carbonate to 5-10% occurs along fractures and concordant/discordant 1-3mm stringers | 1521 | 117.4 | 118.2 | 0.8 | nil | nil |
| | | - Po to 5% (locally to 25% Py, below the Po) occurs in whisps, stringers, and disseminations; Py occurs in bands @ 40-45° TCA from 116.5 to 117.4 | | | | | | |
| | | - lower contact sharp @ 35° TCA | | | | | | |

DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-8

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 118.2 | 136.5 | Andesite (Tuff) | 1522 | 118.2 | 119.7 | 1.5 | nil | nil |
| | | - medium green in colour | 1523 | 123.4 | 125.9 | 1.5 | nil | nil |
| | | - fine grained to aphanitic | 1524 | 129.6 | 131.1 | 1.5 | nil | nil |
| | | - unit is initially tuffaceous, but becomes massive with depth (still resembling a tuff) | 1525 | 131.1 | 132.6 | 1.5 | nil | nil |
| | | - initial 6.0m of unit is very highly chloritized and carbonatized (up to 40%-50% matrix carbonate + 10% 1-3mm stringers @ various angles TCA); chlorite content decreases slightly with depth and partial silicification occurs. | 1526 | 134.8 | 135.4 | 0.6 | nil | nil |
| | | - @ 124.2, an 0.5m grey plagioclase porphyry dyke occurs; contacts are sharp and chilled, upper content @ 40° TCA, lower contact @ 55° TCA | 1527 | 135.4 | 136.5 | 1.1 | nil | nil |
| | | - unit becomes massive beyond the dyke | | | | | | |
| | | - @ 131.1, a black 1.5m lamprophyre dyke occurs; composed of hornblende pyroxene + biotite + Na-plagioclase (white, porphyritic) + 20-30% matrix carbonate; upper and lower contacts are sharp, chilled and sub-parallel to banding | | | | | | |
| | | - @ 134.8 an 0.6m lamprophyre dyke occurs; similar to previous ore, however the country rock is highly brecciated and contains up to 40% quartz-carbonate stringers | | | | | | |
| | | - Chlorite content increases near the lower content, as does matrix carbonate, relative to the central portion of the unit | | | | | | |
| | | - banding @ 30-40° TCA | | | | | | |
| | | - lower contact irregular but sharp @ 30° TCA | | | | | | |

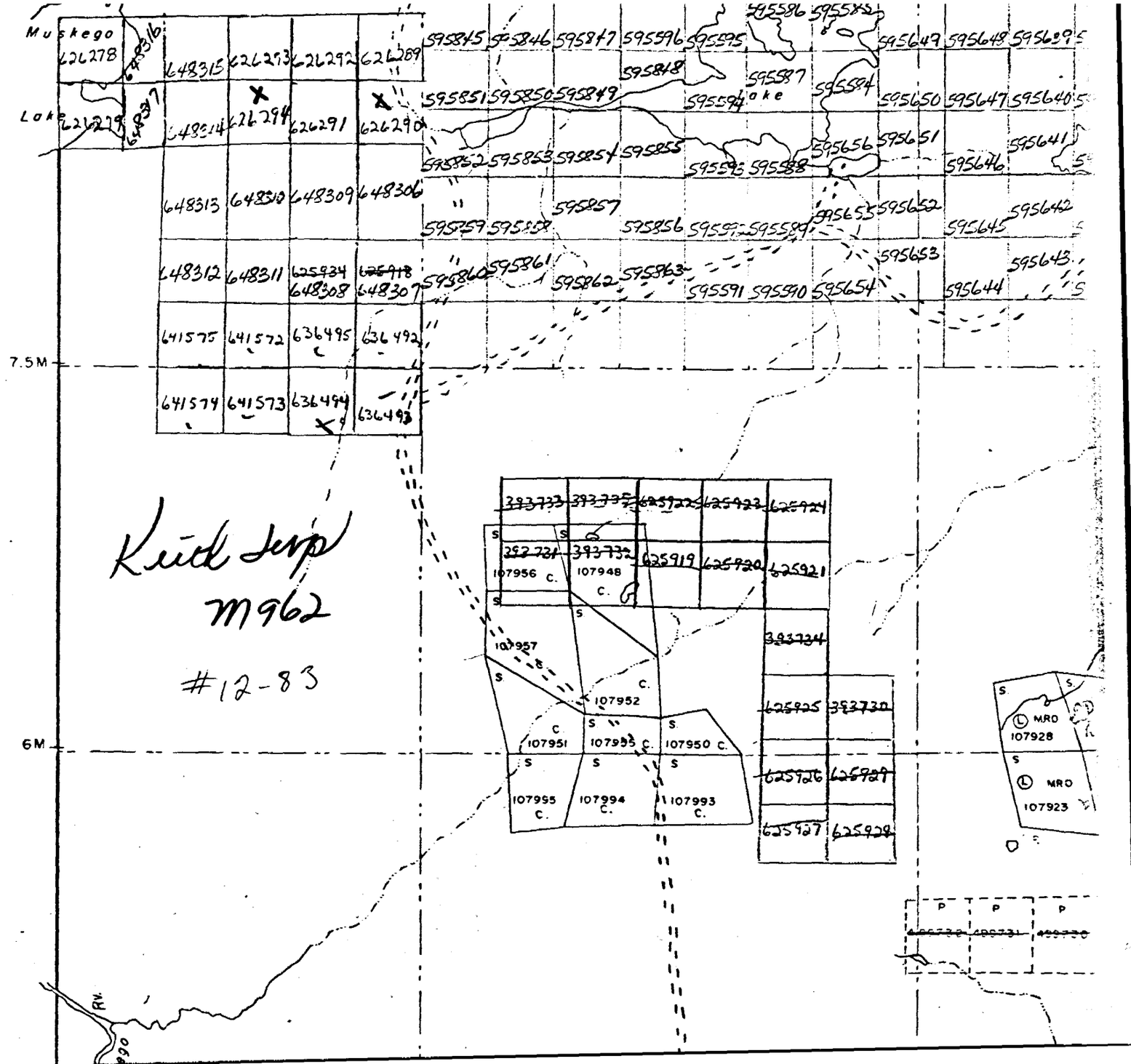
DIAMOND DRILL RECORD & LOG

HOLE NO: F-82-8

PROPERTY: FOLEYET



| METRES From | METRES To | DESCRIPTION | SAMPLE NO. | METRES From | METRES To | LENGTH | ASSAYS Au oz/T | ASSAYS Ag oz/T |
|---|---|---|---|---|---|---|---|---|
| 136.5 | 224.3 | Rhyolite & Rhyodacite Tuff Breccia | 1528 | 136.5 | 138.0 | 1.5 | nil | nil |
| | | - grey/green to tan/cream coloured | 1529 | 138.0 | 139.5 | 1.5 | nil | nil |
| | | - alternating rhyolite and rhyodacite beds to several metres | 1530 | 139.5 | 140.7 | 1.2 | nil | nil |
| | | - very distinct dark ash fragments in rhyodacite beds | 1531 | 140.7 | 142.1 | 1.4 | nil | nil |
| | | - distinct whitish ash lapilli in rhyolite beds; welding apparent @ ~178.0m | 1532 | 148.1 | 149.6 | 1.5 | nil | nil |
| | | - unit is silicified | 1533 | 155.5 | 157.0 | 1.5 | nil | nil |
| | | - % matrix carbonate increases downhole to 10-15% from 5% initially | 1534 | 161.4 | 162.9 | 1.5 | nil | nil |
| | | - sericitization increases downhole | 1535 | 165.4 | 166.8 | 1.4 | nil | nil |
| | | - @ 139.5 a 1.2m rhyolite bed with 8-10% Po in whisps and blebs; locally conductive | 1536 | 172.5 | 174.0 | 1.5 | nil | nil |
| | | - 3-5mm clear to whitish quartz "eyes" occur in several rhyolite beds as @ 144.0m | 1537 | 180.2 | 181.7 | 1.5 | nil | nil |
| | | - fragment misalignment in individual beds may suggest that the "beds" are in fact large ejecta, unit is also quite heterolithic | 1538 | 187.8 | 189.3 | 1.5 | nil | nil |
| | | - unit is very tight, very few fractures or carbonate stringers | 1539 | 191.9 | 193.7 | 1.8 | nil | nil |
| | | - intensely chloritized dacite bed @ 165.4-166.8m | 1540 | 198.4 | 199.9 | 1.5 | nil | nil |
| | | - crystal tuff beds occur @ 180.7m, 0.4m; 191.3m, 0.5m; 193.7m, 0.4m | 1541 | 205.8 | 207.3 | 1.5 | nil | nil |
| | | - @ 202.0 a 0.2m lamprophyre dyke, as before | 1542 | 208.2 | 210.3 | 2.1 | nil | nil |
| | | - @ 221.9 a 2.0m zone of 10-15% quartz carbonate stringers to a few cm, avg.3-5mm @ various angles TCA; displays evidences of brecciation | 1543 | 213.7 | 215.2 | 1.5 | nil | nil |
| | | - banding @ 30-40°TCA | 1544 | 221.9 | 223.6 | 1.7 | nil | nil |
| | | - Tr disseminated Po + Py, locally to 10% Po as previously mentioned; occasional speck of Cpy | | | | | | |
| | | NOTE: Core checked with spectrometer and UV lamp; no anomalous results | | | | | | |


Muskego
Lake
7.5M
6M
Kuick Imp
M962
#12-83
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