

ASSESSMENT REPORT
1979 DIAMOND DRILLING PROGRAM UNDERTAKEN ON THE
BIG MISSOURI PROPERTY
STEWART, BRITISH COLUMBIA

CLAIMS INVOLVED : PROVINCE; BUENA VISTA, GOOD HOPE
MINING DIVISION : SKEENA
NTS LOCATION : MAP 104 BIE
LATITUDE AND LONGITUDE : 56°05'N ; 130°00'^{02'}W
OWNER OF CLAIMS : TOURNIGAN MINING EXPLORATIONS LTD.
OPERATOR : WESTERN MINES LIMITED
AUTHOR : SHAUN M. DYKES
PROJECT GEOLOGIST
WESTERN MINES LIMITED
DATE : JANUARY 29, 1980

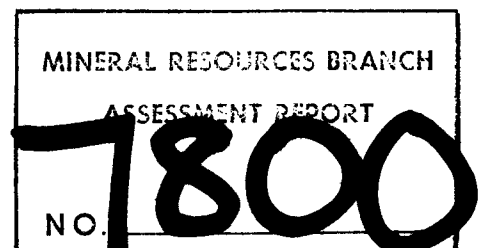


TABLE OF CONTENTS

| | <u>PAGE</u> |
|-----------------------------------|-------------|
| 1. TITLE PAGE | |
| 2. INTRODUCTION | 1 |
| 3. 1979 DRILLING PROGRAM | 4 |
| 3.1 Purpose | 4 |
| 3.2 Description | 4 |
| 4. INTERPRETATION OF THE RESULTS | 5 |
| 5. ITEMIZED 1979 DRILLING COSTS | 6 |
| 6. APPORTIONMENT OF DRILL FOOTAGE | 6 |

APPENDIX

| | |
|-------------------------------------|---------------|
| Fig. 1 LOCATION MAP | 2 |
| Fig. 2 CLAIM LOCATION MAP | 3 |
| Fig. 3 1979 DRILL SITE LOCATION MAP | (BACK POCKET) |
| DIAMOND DRILL LOGS | (BACK POCKET) |
| STATEMENT OF QUALIFICATIONS | 7 |

INTRODUCTION

The Big Missouri Property is located 25 kilometres north of the town of Stewart, B. C. and situated between the Silbak Premier and Granduc Mines in northwestern British Columbia (Fig. 1).

The property is accessible by road during snow-free months by way of the Granduc road from Stewart to Premier; and then by the Big Missouri road into Joker Flats and the claims areas (Fig. 1 and Fig. 2).

The Big Missouri Mine was discovered in 1904, and was subsequently put in production between 1938 and 1942 by Consolidated Mining and Smelting Co. (Cominco). Subsequent to the mine closure in 1942, there have been several attempts by various mining companies to re-evaluate the mineral potential in the area. This includes :

- work by Hecla Mining
- geological work by Falconbridge in 1966
- geological and geochemical work by El Paso in 1970
- extensive underground sampling by Aetna Mines in late 1960's and early 1970's

and - diamond drilling by Giant Mascot Mines in 1974.

Since the fall of 1973, Tournigan Mining Explorations Ltd. has held title to the property. In 1979 Tournigan and Western Mines Ltd. entered into agreement whereby Western Mines Ltd. by fulfilling certain obligations, could earn an interest in the property. It is in conjunction with this agreement that the 1979 diamond drilling program was undertaken.

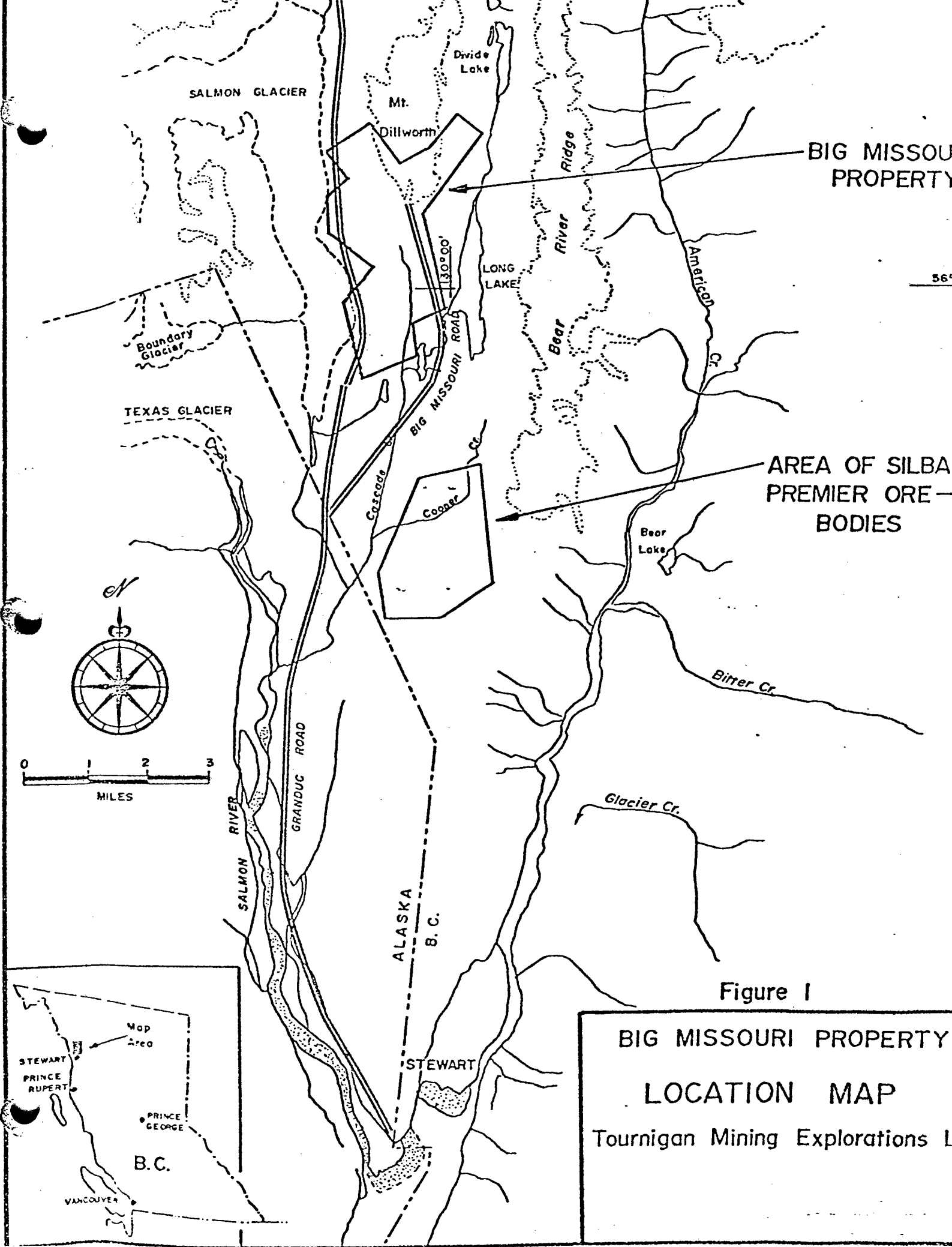


Figure 1

BIG MISSOURI PROPERTY
LOCATION MAP
 Tournigan Mining Explorations Ltd.

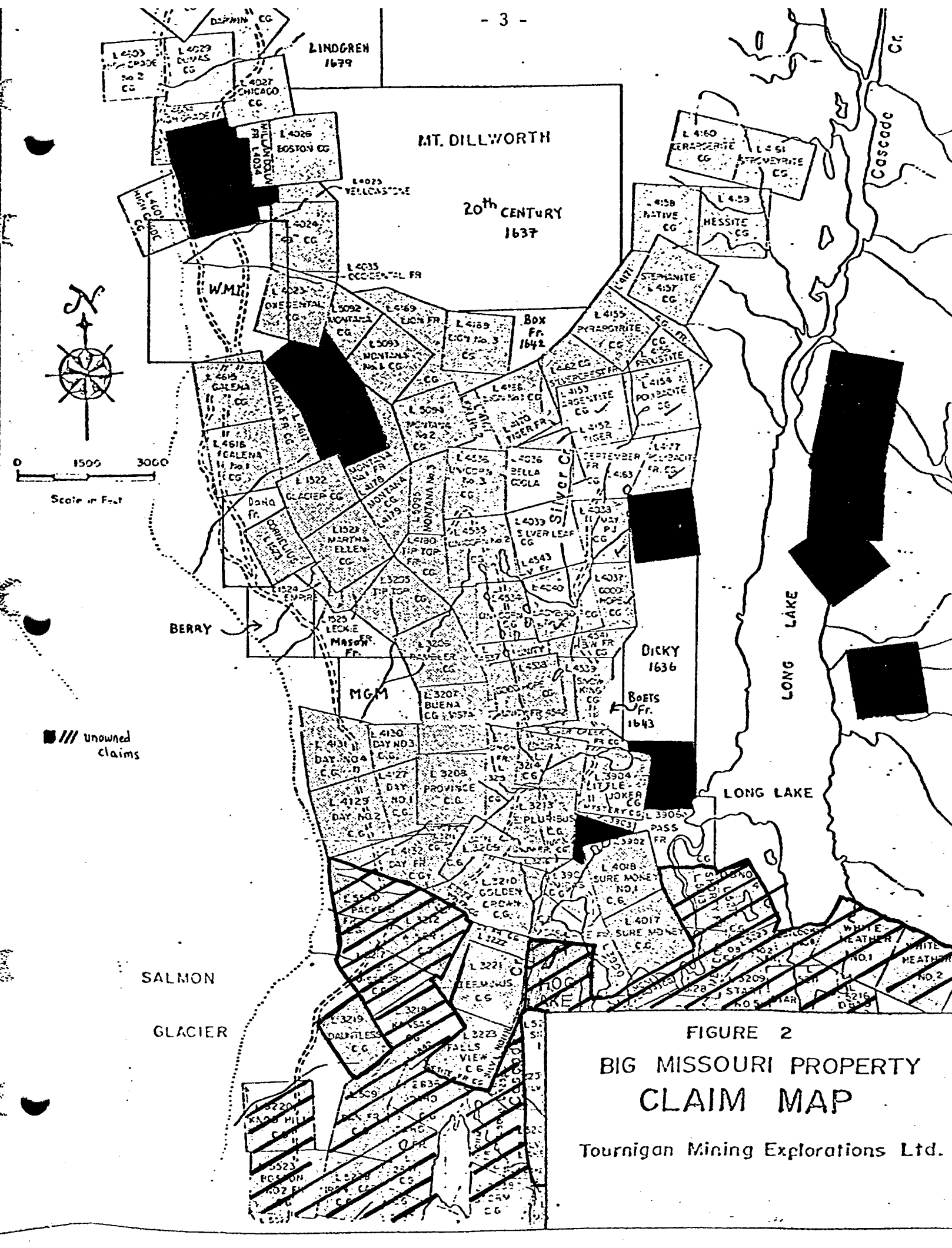


FIGURE 2
 BIG MISSOURI PROPERTY
 CLAIM MAP
 Tournigan Mining Explorations Ltd.

1979 DRILLING PROGRAM

Purpose : To establish the volcanic stratigraphy within the mineralized zones of the Big Missouri property with special emphasis on the Province East zone which overlies the underground workings of the old Big Missouri Mine.

Description : A total of 3188 ft. (971.7 m) of NQ (2"-5cm) diamond drilling was carried out during the period September 10, 1979 to October 11, 1979. A total of seven drill holes ranging from 125 ft. (38.1 m) to 775 ft. (236.22 m) in depth were drilled using a Longyear 38 diamond drill. The details of the individual holes are outlined in Table 1 and their locations are shown in Fig. 3.

Table 1 Diamond drill hole data

| <u>DDH#</u> | <u>Grid Location</u> | <u>Depth</u> | <u>Inclination</u> | <u>Azimuth</u> | <u>Dip Test</u> | <u>Corrected Dip Test</u> | <u>Collar Elevation</u> |
|-------------|----------------------|---------------|--------------------|------------------|------------------|---------------------------|-------------------------|
| 79-1 | 18+46N/9+30E | 576' (175.6m) | 70 ⁰ | - | -86 ⁰ | -84.5 ⁰ | 1105 m |
| 79-2 | 18+50N/10+75E | 526' (160.3m) | 70 ⁰ | 090 ⁰ | -62 ⁰ | -55 ⁰ | 1078 m |
| 79-3 | 12+50N/8+65E | 205' (62.5m) | -45 ⁰ | 030 ⁰ | - | - | 1078 m |
| 79-4 | 12+50N/8+65E | 537' (163.7m) | -90 ⁰ | - | -75 ⁰ | -70.5 ⁰ | 1066 m |
| 79-5 | 11+95N/9+17E | 775' (236.2m) | -50 ⁰ | 070 ⁰ | -38 ⁰ | -30.5 ⁰ | 1057 m |
| 79-6 | 11+50N/9+40E | 446' (135.9m) | -80 ⁰ | 070 ⁰ | -72 ⁰ | -67 ⁰ | 1056 m |
| 79-7 | 11+50N/9+40E | 123' (37.5m) | -45 ⁰ | 070 ⁰ | - | - | 1056 m |

N.B. Drill core stored in Powerhouse at Big Missouri property.

INTERPRETATION OF THE RESULTS

The volcanic sequence consists of agglomerates, tuffs and flows of andesitic composition intercalated with cherty tuff bands. The sequence is cross-cut by andesitic and granitic dykes, and truncated by numerous faults of several ages. The mineralization observed consists of fine grained disseminated pyrite with or without sphalerite and galena contained mainly in the cherty tuff horizons or as small sulphide stringers and veinlets within the andesite. Gold and silver values are erratic. Better intersections are commonly in the 0.10 to 0.15 oz./T Au and 0.5 to 1.0 oz./T Ag range. Lead and zinc values greater than 1% are present locally. Nature and control of the gold and silver distribution is as yet unknown.

Sericitization and silicification are the predominant alteration types within the mineralized zones. Sericitization is the most pervasive and widespread, while silicification is found locally in relationship to the mineralized horizons.

The preliminary interpretation of the geological environment is that the mineralization occurs in narrow stratabound interflow siliceous exhalative horizons.

As a result of the 1979 drilling program, several stratigraphic units have been established within the mineralized zones. Correlation of these units has proven difficult due to faulting and must await further information.

ITEMIZED 1979 DRILLING COSTS INCURRED DURING PERIOD SEPT. 10 - OCT. 14, 1979

SUMMARY

| | |
|--------------------------------------|-------------|
| 1. Mobilization & Demobilization | \$ 7,575.08 |
| 2. Drilling Cost | 74,661.88 |
| 3. Helicopter Cost | 8,306.12 |
| 4. Assay Cost | 6,771.10 |
| 5. Core preparation and logging cost | 2,791.70 |
| 6. Report preparation cost | 450.00 |

Total Overall Expenditure = \$100,555.88

APPORTIONMENT OF DRILL FOOTAGE

| <u>CLAIM</u> | <u>DRILL HOLE(S)</u> | <u>FOOTAGE</u> | <u>% OF TOTAL</u> |
|--------------|----------------------|--------------------------|-------------------|
| Buena Vista | 79-1 | 576 ft. (175.6m) | 18.06% |
| Good Hope | 79-2 and 79-3 | 731 ft. (222.8m) | 22.92% |
| Province | 79-4 and 79-7 | <u>1881 ft. (573.3m)</u> | 59.02% |
| | Total | 3188 ft. (971.7m) | 100% |

STATEMENT OF QUALIFICATIONS

- UNIVERSITY EDUCATION : - 1976 graduated with B.Sc (eng.) degree in
Geology from Queen's University, Kingston,
Ontario.
- : - 1979 graduated with M.Sc (eng.) degree in
Geology from Queen's University, Kingston,
Ontario.
- : - Courses taken based on mineral exploration,
igneous petrology, and mineral economics.
- PRACTICAL EXPERIENCE : - 4 summers experience in northern Ontario
and northeastern British Columbia.
- : - Summer 1979 began work for Western Mines Ltd.
on Big Missouri property.

Respectively submitted



Shaun M. Dykes

WESTERN MINES LIMITED

PROPERTY: Big Missouri
 PROJECT No: 50459
 NTS
 104/BIE
 LAT. 56°05'N
 DEP. 130°00'W
 LOGGED By: H. Meade
 SURVEYED By: H. Meade
 DATE: Sept. 21-23/79
 DATE: Sept. 18/79
 COLLAPSED: Sept. 15/79
 COMPLETED: Sept. 18/79

| COLLAR: CHAINED ; SURVEYED ; ESTIMATED | | | CASING : | | CORE SIZE | DEPTH | HOLE CHARACTERISTICS | | | EQUIPMENT, RODS, BIT, ETC IN HOLE: | |
|--|--------------|---------------|---|-----------------------------|-----------|-------|----------------------|--------|------------------|------------------------------------|---------------------|
| GROUND | DRILL DECK | TOP OF CASING | LEFT IN HOLE: YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | NO | 0 | 175.6m | CAVING | LOST CIRCULATION | | WATER POINTS |
| LENGTH | | 0 | | No | | | | | | | |
| ELEVATION | 1105m | | | | | | | | | | |
| HOLE COORD. | 9+30E/18+46N | | | | | | | | | | 2 - 2 ft. NW Casing |
| HOLE SURVEY | | | | | | | | | | | |
| DEPTH | Collar | 175.6m | | | | | | | | | |
| DIP | 090 | -84.5° | | | | | | | | | |
| MAG. BEARING | - | - | | | | | | | | | |
| GRID BEARING | - | - | | | | | | | | | |
| TRUE BEARING | - | - | | | | | | | | | |
| INSTRUMENT | Brunton | Acid | | | | | | | | | |

OBJECTIVE / COMMENTS: Buena Vista Claim: - To test Northstar-Lindeberg Zone

- Rock Types
- A₁-: Feldspar Porphyritic
 - A₂-: Amphibole Porphyritic
 - A₃-: Non porphyritic
 - A₄-: Feldspar & amphibole porphyritic
 - Si-: Silica-rich matrix

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | |
|----------------------------|--|--|-----------|------------------------|---------------|--------------|---------|----------|------|------|------|
| | | | | | | | oz/t Ag | oz/oz Cu | % Pb | % Zn | |
| 22.2 / 51.0 6.7 / 15.5 | A ₄ ANDESITE FLOW: - medium green fine to coarse grained, feldspar > hornblende phenocrysts: textural variation is gradational & in part reflects variable bleaching & schistosity a few chlorite-carbonate amygdales | minor disseminated pyrite; carbonate - chlorite veinlets are quite planar at 45° to core axis shears at 30.5 ft/9.3m, 34 ft/10.4m, 39 ft/11.9m, 40 ft/12.2m, 44 ft/13.4m, 49 ft/14.9m, 53.5 ft/16.3m, 54 ft/16.5m, 55 ft/16.8m, 60 ft/18.3m, 61.5 ft/18.7m | - | 43.5-44.5 13.3-13.7 | 1.0ft 0.4m | 2450 | <0.003 | 0.02 | - | 0.10 | 0.23 |
| 51.0 / 73.5 15.5 / 20.1 | A ₄ ANDESITE FLOW: - Amygdaloidal 66 ft/20.1m - 73.5 ft/22.4m Narrow quartz stringers with pyrite, sphalerite & galena - 3-5% disseminated pyrite. | grey pyrite-sericite-quartz veins & fracture fillings with trace sphalerite with envelope of disseminated pyrite-shears are slickensided, commonly along chlorite-quartz-carbonate veins; broken core 47 ft/14.3m | 3-5 | 67.4-73.4 20.5-22.4 | 6.0ft 1.9m | 2451 | 0.003 | 0.12 | - | 0.23 | 0.33 |

| FEET / METERS | ← ROCK TYPE / ALTERATION | GRAPHIC LOG | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | |
|-----------------------------|---|-------------|---|-----------|--|------------------------------|--------------|----------------|--------------|--------|--------------|--------------|
| | | | | | | | | oz/t Ag | oz/t Au | %Cu | %Pb | %Zn |
| 78.5 / 81.2 23.9 / 24.7 | A ₄ ANDESITE AGGLOMERATIC LAPILLI TUFF: mainly feldspar porphyritic fragments; well silicified | | numerous quartz veins with pyrite, sphalerite, galena, 5-10% pyrite, 3-4% sphalerite & galena, minor carbonate in the quartz veins, shears at 81.5 ft/24.8m 78 ft/23.8m | 8-14 | 78.5-81.4 23.9-24.8 | 2.9ft 1.9m | 2407 | 0.068 | 0.35 | - | 0.27 | 0.90 |
| 81.2 / 123.5 24.7 / 37.5 | A ₁ ANDESITE TUFFACEOUS LAPILLI AGGLOMERATE: medium to dark green, feldspar phenocrysts up to 3mm dominate, lighter green andesite tuff matrix - andesite fragments up to 10cm | | Pyrite with sphalerite & galena in quartz veins; quartz carbonate veins with hematite - numerous carbonate veins with or without quartz, sausserite, hematite, 90.5 ft/27.6 m - 98 ft./29.9 m fault zone 16.5 ft/ 35.5 m - 121.5 ft./37.0 m quartz with pyrite, | | 81.4-86.9 24.8-26.5 116.5-121.5 35.5-37.0 | 5.5ft 1.7m 5ft 1.5m | 2452 2408 | 0.012 0.028 | 0.12 0.28 | - - | 0.07 0.43 | 0.22 0.67 |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | | | |
|------------------------------|---|---|-----------|--------------------------|----------------|--------------|--------|---------|-----|------|------|--|--|--|
| | | | | | | | oz/t | Ag Oz/t | %Cu | %Pb | %Zn | | | |
| 143.0 / 191.0 43.6 / 58.2 | A ₁ ANDESITE AGGLOMERATIC LAPILLI TUFF: - with porphyritic fragments, weak schistosity, feldspar phenocrysts up to 4mm. | schistosity at 45° to core axis fault at 167 ft/50.9m-167.5 ft/ 51.1 m shears at 143 ft/43.6; 146 ft/44.5 m; 147 ft/44.8; 156 ft/47.5; 161.5 ft/49.2 m to 166.5 ft/50.7m. Two 10 cm quartz-pyrite-sphalerite and galena veins | | | | | | | | | | | | |
| | | | | 143.0-148.0 43.6-45.1 | 5.0ft 1.5ft | 2454 | 0.003 | 0.04 | -- | 0.02 | 0.12 | | | |
| | | | | 148.0-153.0 45.1-46.6 | 5.0ft 1.5ft | 2455 | 0.008 | 0.09 | -- | 0.19 | 0.22 | | | |
| | | | | 161.5-166.5 49.2-50.7 | 5.0ft 1.5ft | 2410 | 0.24 | 0.04 | -- | 0.23 | 0.30 | | | |
| 191 / 192.5 58.2 / 58.7 | A ₃ ANDESITE TUFF: - medium green, lower contact is quartz-pyrite-sphalerite-galena vein, gradational contact | Lower contact at 30° to core axis | | | | | | | | | | | | |
| 192.5 / 208.5 58.7 / 63.6 | A ₁ ANDESITE TUFFACEOUS LAPILLI AGGLOMERATE: - bleached light green matrix to medium green fragments: A ₁ gradational to A ₃ finegrained 193 ft/ | Pyrite stringers with or without sphalerite and galena. A few thin 1/2 to 1 cm quartz veins | | | | | | | | | | | | |
| | | | | 192-198.0 58.5-60.4 | 6ft 1.9m | 2456 | 0.003 | 0.10 | -- | 0.02 | 0.04 | | | |
| | | | | 205-208 62.5-63.4 | 3ft 0.9 | 2457 | 0.003 | 0.22 | -- | 0.01 | 0.01 | | | |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | | | |
|--------------|---|--|-----------|--------------------|---------------|--------------|--------|---------|------|------|------|--|--|--|
| | | | | | | | oz/t | Ag oz/t | Cu % | Pb % | Zn % | | | |
| 212.0 / 64.6 | 213.5 / 65.1 A ₃ ANDESITE CHERTY TUFF: - Andesite fragments floating in greenish quartz rich matrix & sericitic-quartz-pyrite tuff matrix | disseminated pyrite & a few pyrite stringers | | | | | | | | | | | | |
| 213.5 / 65.1 | 228.0 / 69.5 A ₃ -Si ANDESITE AGGLOMERATE LAPILLI TUFF (?): massive, medium green with patched grey bleached zones with quartz & sericite | numerous 2-5mm quartz veins with red-brown sphalerite; also larger irregular quartz veins have disseminated pyrite, sphalerite & galena (chloritic bleached zones cut by planar quartz veins with sphalerite: shears at 214.5 ft/65.4m, 216 ft/65.8m, 217 ft/66.1m, 227.5 ft/69.3m, 228 ft/69.5m | | 213.5-218.5 5ft | | | | | | | | | | |
| | | | | 65.1-66.6 | 1.5m | 2458 | <0.003 | 0.13 | - | 0.08 | 0.19 | | | |
| | | | | 223 -228 5ft | | | | | | | | | | |
| | | | | 68.0-69.5 | 1.5m | 2459 | <0.003 | 0.10 | - | 0.02 | 0.02 | | | |

| FEET/METERS | ← Rock Type/ALTERATION | GRAPHIC LOG | MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | |
|--------------|------------------------|----------------|--|-----------|-----------------|---------------|--------------|---------|---------|-----|------|------|--|
| | | | | | | | | oz/t Ag | oz/t Cu | Pb% | Zn% | | |
| 228.0 / 69.5 | 274.5 / 83.7 | A ₄ | ANDESITE FLOW-Ghost fragmental fabric, salt & pepper texture of feldspar phenocrysts & small chlorite spots; calcium carbonate veins weathered by ground H ₂ O | | 272.4-275.4 | 3.0ft | 2460 | <0.003 | 0.007 | - | 0.04 | 0.12 | |
| | | | 1-2% disseminated pyrite lower contact at 40° to core axis 253.0 ft/77.1m to 256.0 ft/78.0m oxidized core in fault zone similarly 260.0 ft/79.2m, 273 ft/83.2m | | 83.0-83.9 | 0.9m | | | | | | | |
| 274.5 / 83.7 | 299.0 / 91.1 | A ₂ | ANDESITE FLOW(chilled variety of A ₄ ?) sericitic-chloritic shear & quartz stringer, 286.5 ft/87.3m to 288.5 ft/87.9m quartz carbonate-pyrite-sphalerite-galena vein zone | | 286.5-288.5 | 2ft | 2412 | 0.016 | 0.38 | - | 0.13 | 0.30 | |
| | | | | | 87.3-87.9 | 0.6m | | | | | | | |
| | | | | | 298.5-302.5 | 4.0ft | 2461 | 0.005 | 0.08 | - | 0.06 | 0.09 | |
| | | | | | 91.0-92.2 | 1.2m | | | | | | | |

| FEET/METERS | ← Rock Type/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | | | |
|---------------|---|---|-----------|-----------------|---------------|--------------|---------|------|-----|------|------|--|--|--|
| | | | | | | | oz/t Ag | oz/t | Cu% | Pb% | Zn% | | | |
| 359.5 / 109.6 | 476.5 / 145.2 FELDSPAR PORPHYRY ANDESITE DYKE (TERTIARY); very blocky ground, broken core; moderately magnetic & calcareous; occasional xenoliths | lower contact at 45° to core axis, shears at small angle to core axis - calcite-chlorite fracture filling at 25° to core axis | | | | | | | | | | | | |
| 476.5 / 145.2 | 482.0 / 146.9 A ₄ ANDESITE TUFFACEOUS LAPILLI AGGLOMERATE: medium green andesite fragments in a light green tuffaceous matrix, salt & pepper texture similar to 303.5 ft-355 ft. | 1-2% disseminated pyrite 3% quartz & carbonate veinlets | | | | | | | | | | | | |
| 482.0 / 146.9 | 518.5 / 158.0 A ₄ -Si ANDESITE TUFFACEOUS LAPILLI AGGLOMERATE- Mixed green to grey, siliceous tuff matrix & recrystallized quartz patches & stringers; | 3-5% pyrite disseminated & in patches within the quartz, coarse pyrite bands in chlorite patches, grey sericitic zones 493 ft/150.2m pyrite, sphalerite & galena in quartz stringers | | | | | | | | | | | | |
| | | | | 484-489.5 | 5.5FE | 2462 | 0.044 | 0.15 | - | 0.05 | 0.23 | | | |
| | | | | 147.5-149.2 | 1.7m | | | | | | | | | |
| | | | | 491-496 | 5.0FE | | | | | | | | | |
| | | | | 149.7-151.2 | 1.5m | 2463 | <0.003 | 0.02 | - | 0.01 | 0.10 | | | |
| | | | | 496-501 | 5.0FE | | | | | | | | | |
| | | | | 151.2-152.7 | 1.5m | 2464 | 0.030 | 0.09 | - | 0.02 | 0.02 | | | |
| | | | | 501-509 | 8.0FE | | | | | | | | | |
| | | | | 151.2-152.7 | 1.5m | 2465 | 0.050 | 0.12 | - | 0.02 | 0.12 | | | |
| | | | | 513-518 | 5.0FE | | | | | | | | | |
| | | | | 156.4-157.9 | 1.5m | 2466 | 0.012 | 0.08 | - | 0.06 | 0.04 | | | |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG | MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No | ASSAYS | | | | | | |
|---------------|------------------------|--|--|-----------|-----------------|---------------|-----------|---------|---------|------|------|------|--|--|
| | | | | | | | | oz/t Au | oz/t Ag | % Cu | % Pb | % Zn | | |
| 518.5 / 158.0 | 528.5 / 161.1 | A ₄ -Si ANDESITE TUFF AGGLOMERATE LAPILLISTONE, | 5-10% pyrite disseminated & in stringers with minor sphalerite | 5-10 | 518-522.5 | 4.5ft | | | | | | | | |
| | | green to grey, sericitic, silicified & pyritized andesite fragments floating in a grey cherty matrix | | | 157.9-159.2 | 1.3m | 2413 | 0.012 | 0.24 | - | 0.05 | 0.84 | | |
| | | | | | 522.5-527.3 | 4.8ft | | | | | | | | |
| | | | | 5-10 | 159.2-160.7 | 1.5m | 2414 | 0.010 | 0.17 | - | 0.05 | 0.29 | | |
| 528.5 / 161.1 | 576.0 / 175.6 | A ₄ -Si ANDESITE LAPILLI TUFF:-medium green to grey, massive, matrix locally cherty, andesite fine to medium granular with small feldspar phenocrysts & chloritic spots | 3-5% fine disseminated pyrite abundant quartz-carbonate veins form a stockwork, trace red sphalerite | 3-5 | 528-533 | 5ft | | | | | | | | |
| | | | | | 160.9-162.4 | 1.5m | 2467 | <0.003 | 0.02 | - | 0.01 | 0.02 | | |
| | | | | | 542.5-547.5 | 5ft | | | | | | | | |
| | | | | 3-5 | 165.4-166.9 | 1.5m | 2468 | <0.003 | 0.08 | - | 0.04 | 0.14 | | |
| | | | | | 547.5-552.5 | 5ft | | | | | | | | |
| | | | | 3-5 | 166.9-168.4 | 1.5m | 2469 | <0.003 | 0.03 | - | 0.02 | 0.05 | | |
| | | | | | 552.5-557.5 | 5ft | | | | | | | | |
| | | | | 3-5 | 168.4-169.9 | 1.5m | 2470 | <0.003 | 0.08 | - | 0.02 | 0.04 | | |
| | | | | | 561.5-566.5 | 5ft | | | | | | | | |
| | | END OF HOLE | | 3-5 | 171.1-172.7 | 1.5m | 2471 | 0.003 | 0.05 | - | 0.04 | 0.10 | | |

WESTERN MINES LIMITED

PROPERTY: Big Missouri NTS LAT. 56°05'N LOGGED BY: H. Meade DATE Sept. 25-27/79
 PROJECT No: 50459 104/BIE DEP. 130°00'W SURVEYED BY: H. Meade DATE Sept. 23/79
 COLLAPSED: Sept. 22/79
 COMPLETED: Sept. 23/79

| COLLAR: CHAINED ; SURVEYED ; ESTIMATED | | | | CASING : | CORE SIZE | DEPTH | HOLE CHARACTERISTICS | | |
|--|---------------|------------|---------------|---|-----------|--------|----------------------|------------------|--------------|
| LENGTH | GROUND | DRILL DECK | TOP OF CASING | LEFT IN HOLE: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | NO | Ø | CAVING | LOST CIRCULATION | WATER POINTS |
| ELEVATION | 1078m | Ø | | | | 160.3m | | | |
| HOLE COORD. | 18+50N/10+75E | | | | | | | | |
| HOLE SURVEY | | | | | | | | | |
| DEPTH | Collar | 160.3m | | | | | | | |
| DIP | -70° | -55° | | | | | | | |
| MAG. BEARING | 090° | - | | | | | | | |
| GRID. BEARING | 090° | - | | | | | | | |
| TRUE BEARING | 071° | - | | | | | | | |
| INSTRUMENT | Brunton Acid | | | | | | | | |

EQUIPMENT, RODS, BIT, ETC IN HOLE:
 2 - 2ft. NW Casing

OBJECTIVE / COMMENTS: GOOD HOPE CLAIM: to test Unity-Unicorn Zone

Rock Types:

- A₁ : - Feldspar porphyritic
- A₂ : - Amphibole porphyritic
- A₃ : - Non-porphyritic
- A₄ : - Feldspar and amphibole porphyritic
- Si: - Silica rich matrix

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No | ASSAYS | | | | |
|---------------------------|---|---|-----------|-------------------------------------|---------------|--------------|----------------|--------------|--------|--------------|--------------|
| | | | | | | | Au | oz/t Ag | oz/t | Cu% | Pb% |
| 102.5 107.8 31.2 32.9 | CONT: 60% Andesite; redistribution of quartz as cherty quartz veins | 3-5% disseminated pyrite with 1% sphalerite & galena | | 31.2m 32.91m | m 1.71 | 2486 | <0.003 | 0.28 | - | 0.05 | 0.05 |
| 107.8 110.0 32.9 33.53 | A ₄ BLEACHED ANDESITE TUFFACEOUS AGGLOMERATIC LAPILLI: grey-green, subporphyritic-granular andesite fragments in grey sericitic & pyritic matrix | | | 32.91m 34.13m | 1.42 | 2487 | <0.003 | 0.18 | - | 0.02 | 0.08 |
| 110.0 111.5 33.5 34.0 | ANDESITE BRECCIA-CHERTY TUFF: bleached & very silicified in cherty tuff matrix: quartz re-crystallized as stringers | 3-5% pyrite with 1 to 2% sphalerite & galena, shear at 111.5ft/34.0m | | | | | | | | | |
| 111.5 119.8 34.0 36.4 | A ₄ BLEACHED ANDESITE TUFFACEOUS ALPILLI AGGLOMERATE: medium grey to green, grey sericitic tuff matrix, greenish A ₄ andesite fragments | 3% fine disseminated pyrite minor <1% sphalerite & galena in quartz stringers | | 34.1m 35.66m 35.66m 36.58m | 1.56 0.92 | 2488 2489 | 0.003 0.003 | 0.16 0.10 | - - | 0.01 0.01 | 0.04 0.02 |

WESTERN MINES LIMITED

| FEET/METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | |
|-------------|-------|--|--------------|--|-----------|-----------------|---------------|---------------|---------|---------|-----|------|------|
| | | | | | | | | | oz/t Ag | oz/t Cu | Pb% | Zn% | |
| 353.0 | 366.0 | A ₄ ANDESITE FLOW: - medium green to grey bleached; medium grained granular to sub-porphyritic, carbonate-quartz breccia near base | | 5-8cm quartz-carbonate veins - | | 108.1m | 1.8 | 8256 | 0.003 | 0.08 | - | 0.06 | 0.24 |
| 107.6 | 111.6 | | | 5% | | 109.9m | 1.7 | 8257 | 0.064 | 0.24 | - | 0.02 | 0.06 |
| | | | | | | | | | | | | | |
| 366.0 | 367.5 | RHYOLITE TUFFACEOUS LAPILLI AGGLOMERATE- CHERTY TUFF:-light grey green to grey, white to greenish siliceous subangular fragments in a carbonate-quartz-carbon matrix-sedimentary? | | Pyrite stringers | | 111.60 | 1.48 | 8258 | 0.048 | 0.13 | - | 0.02 | 0.05 |
| 111.6 | 112.0 | | | | | 113.08 | | | | | | | |
| | | | | | | | | | | | | | |
| 367.5 | 369.5 | A ₄ ANDESITE: medium green fragments cut by well developed quartz stringer stockwork; very pervasive silicification | | 5% pyrite as stringers | | | | | | | | | |
| 112.0 | 112.6 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 369.5 | 375.0 | RHYOLITE TUFFACEOUS LAPILLI AGGLOMERATE OR FRAGMENTED CHERTY TUFF:-mottled white & green, minor carbonate stringers, minor carbon | | 5-7% pyrite as dispersed patches, disseminations & stringers | 5-7 | 113.08 | 1.52 | 8259 | <0.003 | 0.16 | - | 0.04 | 0.08 |
| 112.6 | 114.3 | | | | | | 114.6 | | | | | | |

carbon

WESTERN MINES LIMITED

| FEET/METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO _{Au} | ASSAYS | | | | |
|----------------|----------------|---|--------------|--------------------------------|-----------|--------------------|---------------|-------------------------|---------|------|-----|------|------|
| | | | | | | | | | oz/t Ag | oz/t | Cu% | Pb% | Zn% |
| 375.0 114.3 | 382.0 116.4 | CARBONACEOUS CHERTY TUFF:-ANDESITE TUFFACEOUS | | | | 114.60m 116.12m | m 1.52 | 8260 | 0.003 | 0.14 | - | 0.03 | 0.05 |
| | | AGGLOMERATIC LAPILLISTONE:-dark grey, mottled, pervasive silicification, 60% cherty tuff | | 3-5% pyrite, carbon stylolites | | | | | | | | | |
| 382.0 116.4 | 384.0 117.0 | ANDESITE TUFFACEOUS AGGLOMERATIC LAPILLISTONE- | | | | 116.12m 117.65m | 1.53 | 8261 | <0.003 | 0.18 | - | 0.03 | 0.17 |
| | | CHERTY TUFF, 70% andesite-medium green andesite floating in greenish cherty tuff matrix | | | | | | | | | | | |
| 384.0 117.4 | 431.0 131.4 | A ₂ ANDESITE FLOW:-medium to dark green, mafic porphyritic in granular feldspar | | minor sphalerite & galena | | 117.65m 119.17m | 1.52 | 8262 | <0.003 | 0.04 | - | 0.05 | 0.37 |
| | | andesite matrix -392.5 ft/119.6m, interflow | | | | 119.17m 120.7m | 1.53 | 8263 | <0.003 | 0.10 | - | 0.06 | 0.37 |
| | | andesite tuffaceous lapilli agglomerate- | | | | 120.7m 122.22m | 1.52 | 8264 | <0.003 | 0.14 | - | 0.03 | 0.10 |
| | | more pyritic cherty tuff matrix-top of lower flow bleached grey:-431 ft/131.4m, flow contact - breccia with quartz carbonate infilling & veining | | | | 122.2m 124.05 | 1.73 | 8265 | <0.003 | 0.12 | - | 0.08 | 0.22 |

| FEET/METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | |
|----------------|----------------|--|--------------|----------------------------------|-----------|------------------|---------------|---------------|---------|------|-----|------|------|
| | | | | | | | | | oz/t Ag | oz/t | Cu% | Pb% | Zn% |
| 431.0 131.4 | 453.5 138.2 | A ₃ ANDESITE FLOW:-medium green, massive, non | | 1% fine disseminated & | | | m | | | | | | |
| | | calcarous, non-magnetic, fine granular | | stringered pyrite | | | | | | | | | |
| | | texture with occasional chloritized mafic | | | | | | | | | | | |
| | | spots, carbonate amygdules | | | | | | | | | | | |
| 453.5 138.2 | 511.0 155.8 | A ₃ ANDESITE TUFFACEOUS LAPILLI AGGLOMERATE- | | carbonate-quartz veining with | | 138.2m 139.0m | 0.8 | 8266 | 0.003 | 0.24 | - | 0.10 | 0.17 |
| | | medium green, interflow fragmental, | | or without minor galena & | | | | | | | | | |
| | | silicified, variable bleaching; fuzzy | | sphalerite in upper part, 3% | | | | | | | | | |
| | | fragmental fabric further down hole, bands of | | pyrite disseminated & occasional | | | | | | | | | |
| | | siliceous tuff, 471 ft/143.6m & 478 ft/ | | pyrite stringers | | | | | | | | | |
| | | 145.7m a few amygdaloidal fragments & | | | | | | | | | | | |
| | | lighter grey-green mafic porphyritic | | | | | | | | | | | |
| | | andesite fragments less silicified & bleached | | | | | | | | | | | |
| | | down hole & darker green, more chloritic- | | | | | | | | | | | |
| | | increasing feldspar > mafic porphyritic andesite | | | | | | | | | | | |

fragments down hole, increased fine tuff near base

WESTERN MINES LIMITED

PROPERTY: Big Missouri PROJECT No: 50459 NTS 104/BIE LAT. 56°05'N DEP. 130°00'W LOGGED By: H. Meade SURVEYED By: H. Meade DATE: Sept. 30-Oct. 1/79 COMPLETED: Sept. 24/79
 DATE: Sept. 26/79 COMPLETED: Sept. 26/79

| COLLAR: CHAINED ; SURVEYED ; ESTIMATED | | | | CASING : LEFT IN HOLE: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | CORE SIZE NQ | DEPTH θ | HOLE CHARACTERISTICS | | |
|--|---------------|---------------|--------|---|-----------------|------------|----------------------|--------------|--|
| GROUND | DRILL DECK | TOP OF CASING | CAVING | | | | LOST CIRCULATION | WATER POINTS | |
| LENGTH | 1078m | θ | | | | 62.5m | | | |
| ELEVATION HOLE COORD. | 10+50N/10+75E | | | | | | | | |
| HOLE SURVEY | | | | | | | | | |
| DEPTH | Collar | | | | | | | | |
| DIP | -45° | | | | | | | | |
| MAG. BEARING | 030° | | | | | | | | |
| GRID. FLANGING | 030° | | | | | | | | |
| TRUE BEARING | 001° | | | | | | | | |
| INSTRUMENT | Brunton | | | | | | | | |

EQUIPMENT, RODS, BIT, ETC IN HOLE:
 2 - 2ft. NW Casing

OBJECTIVE / COMMENTS: GOOD HOPE CLAIM: Test Unity-Unicorn Zone

ROCK TYPES

- A₁ : - Feldspar porphyritic
- A₂ : - Amphibole porphyritic
- A₃ : - Non porphyritic
- A₄ : - Feldspar and amphibole porphyritic
- Si : - silica-rich matrix

| FEET / METRES | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | | | |
|---------------|------------------------|--------------|---|-----------|-----------------|---------------|---------------|---------|---------|-----|-----|--|--|--|
| | | | | | | | | oz/t Ag | oz/t Cu | Pb% | Zn% | | | |
| 0 / 0 | 4 / 1.2 | | CASING | | | m | | | | | | | | |
| 4 / 0 | 27.3 / 8.3 | | A ₄ ANDESITE FLOW:-medium green, feldspar- Hornblende sub-porphyrific:- 1-2% white leucoxene specks - non-magnetic | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 27.3 / 8.3 | 34.5 / 10.5 | | TYPE C ANDESITE DYKE:-dark grey-green, carbonate amygdules, moderate to strongly magnetic, chilled contact | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 34.5 / 10.5 | 42.5 / 13.0 | | A ₄ ANDESITE FLOW:-medium green, massive, veined with quartz > carbonate | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 42.5 / 13.0 | 43.5 / 13.3 | | TYPE C ANDESITE DYKE-dark grey-green, chilled | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

12.19
13.0

0.81

8267

0.003

0.26

-

0.02

0.05

fine disseminated pyrite

accompanying mottled grey

bleaching, 5% veining

shears at 42.5 ft/13.0m

lower contact at 55° to core

axis

contacts at 60° to core axis

5% veining, shears at 19 ft/

5.8m; 20 ft/6.1m; 23 ft/7.0m;

& 27.3 ft/8.3m

WESTERN MINES LIMITED

PROPERTY: BIG MISSOURI
PROJECT No: 50459

NTS 104/BIE
LAT. 56°05'N
DEP. 130°00'W

LOGGED By: S. Dykes
DATE: Oct. 1-3, 1979
SURVEYED By: S. Dykes
DATE: Sept. 30, 1979

COLLAPSED: Sept. 28, 1979
COMPLETED: Sept. 30, 1979

| COLLAR: CHAINED X; SURVEYED; ESTIMATED | | | | CASING: LEFT IN HOLE: YES X NO - | | CORE SIZE | DEPTH | HOLE CHARACTERISTICS | | | EQUIPMENT, RODS, BIT, ETC IN HOLE: | |
|--|--------------|------------|---------------|----------------------------------|--|-----------|-------|----------------------|------------------|--------------|------------------------------------|------------------|
| LENGTH | GROUND | DRILL DECK | TOP OF CASING | | | | | CAVING | LOST CIRCULATION | WATER POINTS | | |
| | 1066m | ⊙ | | | | NQ | 0 | 163.7m | | | | 2 - 2' NW casing |
| ELEVATION HOLE COORD. | 12+50N/8+65E | | | | | | | | | | | 1 NW casing shoe |
| HOLE SURVEY | | | | | | | | | | | | |
| DEPTH | Collar | 163.7m | | | | | | | | | | |
| DIP | 90° | 70.5° | | | | | | | | | | |
| MAG. BEARING | | | | | | | | | | | | |
| GRID BEARING | - | - | | | | | | | | | | |
| TRUE BEARING | - | - | | | | | | | | | | |
| INSTRUMENT | Brunton Acid | | | | | | | | | | | |

OBJECTIVE / COMMENTS: PROVINCE CLAIM

Rock Types

- A₁ : - Feldspar Porphyritic
- A₂ : - Amphibole Porphyritic
- A₃ : - Non porphyritic
- A₄ : - Feldspar and amphibole porphyritic
- Si : - Silica-rich matrix

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG | MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No | ASSAYS | | | | | | |
|-----------------------|---|-------------|---|-----------|--------------------------|---------------|-----------|---------|---------|-----|------|------|--|--|
| | | | | | | | | Au oz/t | Ag oz/t | Cu% | Pb% | Zn% | | |
| 0/0 4/12 | COLLAR | | | | | | | | | | | | | |
| 4/12 13.5/4.11 | BLEACHED A ₄ ANDESITE TUFF: light grey, fine grained, schistose, sericitic with feldspar and amphibole crystals | | <5% fine grained disseminated pyrite cross cut by two ages of quartz veins and/or stringers; oldest, 5-10% with <1% galena, <1% sphalerite; youngest, 5%; non-mineralized | 5 | 4.5-10.5 ft. 1.37-3.2m | 6 ft. 1.83m | 8279 | 0.003 | .14 | - | 0.06 | 0.12 | | |
| | | | 8.25-9.0 ft. broken core | | | | | | | | | | | |
| | | | 2.5 -2.74m | | | | | | | | | | | |
| | | | 10.5-13.5 <1 cm pyrite bands at 3.2- 4.1m 30° to core axis with 1mm black carbonaceous stringers | | | | | | | | | | | |
| 13.5/ 4.11 15.8/ 4.81 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC TUFF: medium grey, schistose, up to 15 cm dark grey-green fine to medium grained feldspar and amphibole porphyritic fragments contained in a 5-10% more siliceous matrix. | | 5% fine disseminated pyrite crosscut by 1-2% barren Quartz veins containing minor carbon stringers upper contact at 40° to Core Axis. | 5 | 13.5-15.8 ft. 4.11-4.81m | 2.3ft. 0.7m | 8281 | 0.016 | 0.24 | - | 0.01 | 0.05 | | |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | | | |
|------------------------------|---|---|-----------|--|---------------------|--------------|----------------|-------------|-----|-------------|-------------|--|--|--|
| | | | | | | | oz/t | Ag oz/t | Cu% | Pb% | Zn% | | | |
| 62.25 / 63.5 / 18.97 / 19.35 | CHERTY TUFF: light grey, mottled, siliceous | 8% fine disseminated pyrite, <390 fine galena with a trace sphalerite contacts at 40° to core axis | | | | | | | | | | | | |
| 63.5 / 67.0 / 19.35 / 20.4 | A ₄ - Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: same as 43.0 to 52.5 ft. above | 5-10% fine disseminated pyrite with a trace sphalerite & galena foliation at 50° to core axis, contacts at 40° to core axis 65.5/20.0 shear at 30° C.A. | 5-10 | 62.5-67.0 ft. / 19.05-20.4 m | 4.5ft / 1.35m | 8292 | <0.003 | 0.08 | - | 0.26 | 0.26 | | | |
| 67.0 / 67.5 / 20.4 / 20.6 | CHERTY TYFF: light grey, mottled, silicified with minor carbon stringers | 6% fine disseminated pyrite with a trace sphalerite & galena. Contacts at 40° to core axis | 6 | 67.0-72.0 / 20.4-21.94 | 5.0ft / 1.54m | 8293 | 0.262 | 0.22 | - | 0.06 | 0.13 | | | |
| 67.5 / 80.5 / 20.6 / 24.5 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: same as 43.0 to 52.5 ft. above | 5% fine disseminated pyrite; cross-cut, 5% quartz veins at 20° & 10° to core axis | 5 | 72.0-77.0 ft. / 21.94-23.5 / 23.5-25.0 | 5.0ft / 1.5m / 1.5m | 8294 / 8295 | 0.003 / <0.003 | 0.08 / 0.18 | - | 0.26 / 0.01 | 0.26 / 0.04 | | | |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % Sulfide | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | | |
|--------------------------------|---|---|-----------|--------------------------------|---------------|--------------|--------|---------|-----|-------|------|--|--|
| | | | | | | | oz/t | Ag oz/t | Cu% | Pb% | Zn% | | |
| 80.5 / 24.5 80.75 / 24.61 | CARBONACEOUS TUFF: Narrow dark green black carbonaceous zone beneath 1cm quartz stringers | 3% fine disseminated pyrite- quartz stringer contains 1% sphalerite & galena | | | | | | | | | | | |
| 80.75 / 24.61 93.25 / 28.42 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: same as 43.0 to 52.5 ft. above | 5% fine disseminated pyrite cross-cut by 5% quartz veins at 10° & 20° to core axis | | 82.0-86.5 ft. 25.0-26.4 m | 4.5ft 1.4m | 8296 | <0.003 | 0.10 | - | <0.01 | 0.02 | | |
| 86.5-91.5 ft. 26.4-27.9 m | | | | 86.5-91.5 ft. 26.4-27.9 m | 5 ft 1.5m | 8297 | 0.036 | 0.10 | - | 0.03 | 0.08 | | |
| 93.25 / 28.42 94.0 / 28.65 | A ₄ BLEACHED ANDESITE TUFF: medium green, moderately schistose, fine grained | 1% fine disseminated pyrite foliation at 55° to core axis | | | | | | | | | | | |
| 94.0 / 28.65 104.0 / 31.7 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF same as 43.0 to 52.5 ft. above | 5% fine disseminated pyrite; cross-cut by 2-4% non-mineralized quartz veins, 95.5/29.1 small fault at 40° to core axis | | 91.5-96.0 ft. 27.9-29.3 m | 4.5ft 1.4m | 8298 | <0.003 | 0.1 | - | <0.01 | 0.02 | | |
| | | | | 96.0-100.5 ft. 29.3-30.7 m | 4.5ft 1.4m | 8299 | <0.003 | 0.14 | - | 0.07 | 0.07 | | |
| | | | | 100.5-104.4 ft. 30.7-31.7 m | 3.5ft 1.0m | 8300 | <0.003 | 0.16 | - | 0.04 | 0.08 | | |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No | ASSAYS | | | | |
|-------------------------------|--|---|-----------|-------------------------------|-----------------|-----------|---------|---------|-----|-------|------|
| | | | | | | | Au oz/t | Ag oz/t | %Cu | Pb% | Zn% |
| 104.0 / 31.7 107.0 / 32.6 | A ₂ BLEACHED ANDESITE TUFF: light to medium green, fine grained with moderate to strong foliation | 1% disseminated pyrite with 1% carbonate veins containing sphalerite; galena & pyrite | <1 | 104.0-107.0 ft 31.7-32.6 m | 3 ft 0.9 m | 8301 | 0.042 | 0.14 | - | 0.04 | 0.08 |
| 107.0 / 32.6 112.5 / 34.29 | A ₄ BLEACHED ANDESITE FLOW: light to medium green, fine grained | <1% fine disseminated pyrite with 3% fine carbonate & quartz stringers | | | | | | | | | |
| 112.5 / 34.29 122.0 / 37.2 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: medium to dark green, foliated, carbonaceous with up to 8 cm A ₄ andesite fragments in a more siliceous matrix | <3% disseminated pyrite foliation at 55° to core axis shears at 70° to core axis | <3 | 112.5-117 ft 34.29-35.7 m | 4.5 ft 1.4 m | 8302 | 0.003 | 0.16 | - | <0.01 | 0.01 |
| 122.0 / 37.2 124.5 / 37.9 | HETEROLITHIC ANDESITE LAPILLI TUFF AGGLOMERATE: medium to dark green with 3 types of fragments 1) light grey-green black up to 8 cm Amphibole porphyritic 2) dark green up to 4cm-feldspar porphyritic | 1-2% fine disseminated pyrite cross-cut by 10% quartz stringers | 1-2% | 120-125.5 ft 36.6-38.2 m | 5.5 ft 1.6 m | 8303 | <0.003 | 0.06 | - | <0.01 | 0.01 |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG | MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | |
|--------------------------------|---|-------------|--|-----------|-----------------|---------------|--------------|--------|---------|-----|-------|------|
| | | | | | | | | oz/t | Ag oz/t | Cu% | Pb% | Zn% |
| 131.25 / 134.0 40.0 / 40.8 | A ₄ BLEACHED ANDESITE FLOW: light green, fine grained | | 1-2% fine disseminated pyrite, cross-cut by 10% quartz veins containing 2% pyrite, contact at 50° to core axis | 1-2 | 131.25-134.0 ft | 2.75ft | 8304 | <0.003 | 0.16 | - | <0.01 | 0.01 |
| 134.0 / 137.5 40.8 / 41.91 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: Dark green black, foliated, sericite, carbonaceous, 5% up to 3cm andesite fragments in chloritized matrix | | 3-4% disseminated pyrite, cross-cut by 1-2% non-mineralized quartz veins | 3-4 | 134.0-137.5 ft | 3.5ft | 8305 | <0.003 | 0.20 | - | <0.01 | 0.01 |
| 137.5 / 146.5 41.91 / 44.65 | A ₃ BLEACHED ANDESITE LAPILLI TUFF: light medium grey, bedded, fine grained, with rare dark up to 1cm carbonaceous andesite lapilli- | | 1-2% fine disseminated pyrite, 5% quartz veins & 3% white carbonate veins: Bedding at 45° to core axis | | 137.5-143.5 ft | 6.0ft | 8342 | <0.003 | 0.08 | - | <0.01 | 0.01 |
| | MARKER HORIZON | | | | 143.5-146.5 ft | 3.0ft | 8306 | <0.003 | 0.10 | - | <0.01 | 0.01 |
| 146.5 / 154.5 44.65 / 47.1 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: Dark green-black, foliated, sericitic & carbonaceous with up to 10% green chloritized andesite fragments partially replaced by pyrite | | 2-3% pyrite in the matrix, 4% in the fragments; 5% quartz & 7% carbonate veins | 6-7 | 146.5-151.0 ft | 4.5ft | 8307 | <0.003 | 0.12 | - | 0.01 | 0.02 |
| | | | | | 44.65-46.0 m | 1.4m | | | | | | |
| | | | | | 151.0-155.5 m | 4.5ft | 8308 | <0.003 | 0.12 | - | <0.01 | 0.01 |
| | | | | | 46.0-47.4m | 1.4m | | | | | | |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | |
|-------------------------------|--|--|-----------|-------------------|---------------|--------------|--------|----------|-----|-------|------|
| | | | | | | | oz/t | Ag. oz/t | Cu% | Pb% | Zn% |
| 154.5 / 157.0 47.1 / 47.85 | RHYOLITE-ANDESITE AGGLOMERATIC LAPILLI TUFF: light grey, sericitic with 60% rhyolite, foliated | 10% fine disseminated pyrite, minor carbonate quartz & pyrite stringers, foliation at 60° to core axis | 10 | 155.5-157.2 ft | 1.7ft | 8309 | <0.003 | 0.14 | - | <0.01 | 0.01 |
| 157 / 168.2 47.85 / 51.3 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: light grey, sericitic, foliated, up to 6cm andesite fragments in a 5-10% more siliceous matrix | 7-10% fine disseminated pyrite, 1% quartz, with or without carbonate, veins foliation at 60° to core axis | 7-10 | 157.2-162.2 ft | 5ft | 8310 | <0.003 | 0.12 | - | <0.01 | 0.01 |
| | | | 7-10 | 162.2-167.0 ft | 5.0ft | 8311 | 0.003 | 0.16 | - | <0.01 | 0.01 |
| 168.2 / 169.5 51.3 / 51.7 | CHERTY TUFF-BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: light grey white mottled, 15-20% sericitic andesite in a siliceous recrystallized matrix | 10% fine disseminated pyrite | | | | | | | | | |
| 169.5 / 174.0 51.7 / 53.0 | A ₄ - Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: same as 157 to 168.2 ft. | | 7-10 | 167.0-172.0 ft | 4.8ft | 8312 | <0.003 | 0.10 | - | <0.01 | 0.01 |
| | | | | 50.9-52.4 m | 1.5m | | | | | | |

| FEET / METERS | ← ROCK TYPE / ALTERATION | GRAPHIC LOG | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | |
|------------------------------|---|-------------|---|-----------|---------------------|---------------|--------------|---------|---------|-----|-------|------|
| | | | | | | | | oz/t Ag | oz/t Cu | Pb% | Zn% | |
| 174.0 / 179.8 53.0 / 54.8 | CHERTY TUFF-BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: | | Trace Galena | 10 | 172.0-176.8 ft | 4.8ft | 8313 | 0.016 | 0.10 | - | <0.01 | 0.01 |
| | same as 168.2 to 169.5 ft. | | | | | | | | | | | |
| 179.8 / 195.0 54.8 / 59.4 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: | | | 7-10 | 176.8-181.5 ft | 4.7ft | 8314 | 0.01 | 0.03 | - | <0.01 | 0.02 |
| | same as 157-168.2 ft. | | | 7-10 | 181.5-186.5 ft | 5 ft | 8315 | <0.003 | 0.04 | - | <0.01 | 0.01 |
| | | | | 7-10 | 186.5-191.0 ft | 4.5ft | 8316 | 0.003 | 0.14 | - | <0.01 | 0.01 |
| 195.0 / 198.5 59.4 / 60.5 | CHERTY TUFF-BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: same as 168.2 to 169.5 ft. | | Trace Galena 198.5/60.5m fault at 20° to core axis | 7-10 | 191.1-195.75 m | 4.65ft | 8317 | <0.003 | 0.14 | - | <0.01 | 0.01 |
| | | | | 10 | 195.75-200.75 ft | 5ft | 8318 | <0.003 | 0.14 | - | 0.02 | 0.19 |
| 198.5 / 205.0 60.5 / 62.5 | A ₄ BLEACHED ANDESITE TUFF: light grey-green, bleached due to faulting | | 5% fine disseminated pyrite, 4% quartz veins. Foliation at 50° to core axis. 198.5/60.5 fault at 20° to core axis | 5 | 200.75-205.5 m | 4.75ft | 8319 | <0.003 | 0.01 | - | <0.01 | 0.01 |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG | MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | |
|-------------------------------|--|-------------|---|-----------|-----------------------------|----------------|--------------|---------|---------|------|-------|------|
| | | | | | | | | oz/t Ag | oz/t Cu | % Pb | % Zn | |
| 226.0 / 239.0 68.9 / 72.8 | A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: | | 6-7% fine disseminated pyrite, 5% quartz veins | 6-7 | 227.5-234 69.3-71.3 | 6.5ft 2.0m | 8325 | <0.003 | 0.04 | - | <0.01 | 0.01 |
| | light grey green with 20-30% <8cm andesite | | | | | | | | | | | |
| | fragments in a 10% more siliceous matrix, | | | | | | | | | | | |
| | foliated, sericitic | | | | | | | | | | | |
| 239.0 / 242.5 72.8 / 73.9 | CHERTY TUFF-BLEACHED ANDESITE AGGLOMERATIC TUFF: | | 6% fine disseminated pyrite, 5% quartz veins, 240.75 ft/73.4m | 6 | 239-242.5 72.8-73.9 | 3.5ft 1.1m | 8326 | <0.003 | 0.06 | - | <0.01 | 0.01 |
| | light grey mottled, recrystallized with 40% andesite, flow top, carbonaceous | | fault at 70° to core axis | | | | | | | | | |
| | | | foliation at 50° to core axis | | | | | | | | | |
| 242.5 / 339.0 73.9 / 103.3 | A ₄ ANDESITE FLOW: light-medium grey green, moderately bleached results in a psuedo fragmental appearance | | <1% fine disseminated pyrite; 5-10% quartz & 5% carbonate veins at 20-30° core axis, small shears at 80° core axis | <1 | 267.3-272.3 81.5-83.0 | 5ft 1.5m | 8327 | <0.003 | 0.01 | - | <0.01 | 0.01 |
| | | | | | 305.5-310.5 | 5ft | | | | | | |
| | | | | | 83.0-84.5 | 1.5m | 8328 | <0.003 | 0.01 | - | <0.01 | 0.02 |
| | | | | | 310.5-315.5 | 5ft | | | | | | |
| | | | | | 84.5-86.0 | 1.5m | 8329 | <0.003 | 0.02 | - | <0.01 | 0.01 |
| 339 / 341.5 103.3 / 104.1 | CHERTY TUFF FAULT BRECCIA: light grey with 3cm cherty tuff fragments in a calcareous matrix | | <1% disseminated pyrite | <1 | 338.5-342.25 103.2-104.3 | 3.75ft 1.1m | 8330 | <0.003 | 0.01 | - | <0.01 | 0.02 |

| FEET/METERS | ← Rock Type/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No | ASSAYS | | | | | | | |
|--------------------------------|--|---|-----------|-----------------|---------------|-----------|---------|---------|------|------|------|--|--|--|
| | | | | | | | oz/t Au | oz/t Ag | % Cu | % Pb | % Zn | | | |
| 367.75 / 379.5 / 112.1 / 115.7 | A ₄ ANDESITE LAPILLI TUFF AGGLOMERATION: medium | < 4% fine disseminated pyrite cross-cut by 5% carbonate veins, at 20°-30° to core axis, 10% light grey cherty bands at 80° to core axis | | | | | | | | | | | | |
| | green with occasional <2% small dark chlorite stringers | | | | | | | | | | | | | |
| 379.5 / 383.0 / 115.7 / 116.7 | A ₁ ANDESITE DYKE: Feeder with large up to 4mm feldspar | Contact irregular at 10-15° to core axis | | | | | | | | | | | | |
| 383.0 / 386.25 / 116.7 / 117.7 | A ₄ ANDESITE LAPILLI TUFF AGGLOMERATE: medium | < 2% fine disseminated pyrite, with 5% light grey chert bands at 80° to core axis and 10% carbonate veins at 20° to core axis | | | | | | | | | | | | |
| | green, fine grained | | | | | | | | | | | | | |
| 386.25 / 395.0 / 117.7 / 120.4 | ANDESITE DYKE (TERTIARY): Beige to light cream; brown weathering | Contacts at 10-15° to core axis 390.75 ft/119.1m. Dyke brecciated by light cream to tan silica-dolomite (Ferro) vein | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

384.5-386.5

2.0ft

117.2-117.8

8333 0.003 0.06

- <0.01 0.01

0.6m

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | |
|--------------------------------|---|--|-----------|-----------------------------|----------------|--------------|---------|---------|-----|-------|------|
| | | | | | | | oz/t Ag | oz/t Au | %Cu | %Pb | %Zn |
| 395.0 / 415.5 120.4 / 126.6 | A ₄ ANDESITE AGGLOMERATIC LAPILLI TUFF: medium to dark green, fine grained | <1% fine disseminated pyrite, locally up to 5%; 5% light grey chert bands, 10% carbonate veins, foliation 35° to core axis, faults at 10-20° core axis & 50° core axis | 5 | 405.75-411.1 123.7-125.3 | 5.25ft 1.6m | 8334 | <0.003 | 0.02 | - | <0.01 | 0.01 |
| 415.5 / 447 / 126.6 / 136.2 | A ₄ ANDESITE TUFF: light to medium green, fine grained | <1% fine disseminated pyrite with minor carbonate veins | <1 | 416-422.0 126.8-128.6 | 6.0ft 1.8ft | 8336 | <0.003 | 0.06 | - | 0.01 | 0.02 |
| 447.0 / 448.25 / 136.2 / 136.6 | A ₄ ANDESITE-CHERTY TUFF: light grey-green with 25-30% andesite in a fine siliceous re-crystallized cherty tuff matrix | 5-7% fine disseminated pyrite | 5-7 | 447-451.0 136.2-137.5 | 4.0ft 1.3m | 8337 | <0.003 | 0.04 | - | 0.01 | 0.02 |

WESTERN MINES LIMITED

Page 1 of 21 Hole No BM 79-5

PROPERTY: Big Missouri
PROJECT No: 50459

NTS 104/BIE
LAT. 56°05'N
DEP. 136°00'W

LOGGED By: S. Dykes
SURVEYED By: S. Dykes
DATE: Oct. 8-10/79
DATE: Oct. 6/79

COLLARED: October 4, 1979
COMPLETED: October 6, 1979

| COLLAR: CHAINED ; SURVEYED ; ESTIMATED | | | CASING: | | CORE SIZE | DEPTH | HOLE CHARACTERISTICS | | | |
|--|--------------|------------|---------------|---|-----------|-------|----------------------|--------|------------------|--------------|
| LENGTH | GROUND | DRILL DECK | TOP OF CASING | LEFT IN HOLE: YES <input checked="" type="checkbox"/> | NO | 0 | 135.9 | CAVING | LOST CIRCULATION | WATER POINTS |
| ELEVATION | 1057m | | | No <input type="checkbox"/> | | | | | | |
| HOLE COORD. | 11+95N/9+15E | | | | | | | | | |
| HOLE SURVEY | | | | | | | | | | |
| DEPTH | Collar | 236.2m | | | | | | | | |
| DIP | -50° | -30.5° | | | | | | | | |
| MAG. BEARING | -070° | - | | | | | | | | |
| GRID BEARING | -070° | - | | | | | | | | |
| TRUE BEARING | 041° | - | | | | | | | | |
| INSTRUMENT | Brunton Acid | | | | | | | | | |

EQUIPMENT, RODS, BIT, ETC IN HOLE:

2 - 2' NW Casing

OBJECTIVE / COMMENTS: PROVINCE CLAIM

- ROCK TYPES
- A₁ : - Feldspar porphyritic
 - A₂ : - Amphibole porphyritic
 - A₃ : - Non-porphyritic
 - A₄ : - Feldspar & amphibole porphyritic
 - Si : - Silica-rich matrix

WESTERN MINES LIMITED

Page 3 of 21

HOLE NO. BM 79-5

| FEET/ METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | |
|--------------|--------------|---|--------------|--|-----------|-----------------|---------------|---------------|---------|------|-------|------|------|
| | | | | | | | | | oz/t Ag | oz/t | Cu% | Pb% | Zn% |
| 26.0 7.9 | 37.0 11.3 | A ₄ ANDESITE FLOW: -medium green, fine | | upto 2% fine disseminated pyrite- | 4 | 7.91 9.44 | m 1.53 | 8347 | 0.022 | 0.06 | 0.01 | 0.22 | 1.13 |
| | | grained, weak to non-foliated | | 10-15% quartz, carbonate & quartz- | 4 | 9.44 10.97 | 1.53 | 8348 | 0.020 | 0.12 | 0.01 | 0.55 | 0.60 |
| | | | | carbonate veins with pyrite, | | | | | | | | | |
| | | | | sphalerite & galena-some contain | | | | | | | | | |
| | | | | 30% sulphide ranging from 1-4cm | | | | | | | | | |
| | | | | in size, 0.5m apart-galena-rich | | | | | | | | | |
| | | | | related to higher carbonate | | | | | | | | | |
| | | | | sphalerite-rich related to higher silica | | | | | | | | | |
| 37.0 11.3 | 39.5 12.0 | CHERTY TUFF-BLEACHED ANDESITE: light grey to | | 10-15% fine disseminated pyrite | | | | | | | | | |
| | | white siliceous upto 3cm grey sericitic | | with minor sphalerite & galena | | | | | | | | | |
| | | feldspar andesite fragments in a light grey | | contact at 85° to core axis | | | | | | | | | |
| | | to green cherty tuff matrix, trace carbon material | | | | | | | | | | | |
| 39.5 12.0 | 48.5 14.8 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: | | 10-15% fine disseminated pyrite, | 10-15 | 10.97 12.50 | 1.53 | 8349 | 0.010 | 0.01 | 0.01 | 0.14 | 0.66 |
| | | light grey, foliated, sericitic upto 3cm andesite fragments in fine lapilli tuff matrix | | 15% quartz-carbonate veins with pyrite, sphalerite & galena, 40.5-42.5 ft/12.3-13.0m fault at 70° to core axis | 10-15 | 12.50 14.17 | 1.67 | 8350 | 0.052 | 0.01 | <0.01 | 0.02 | 0.34 |

| FEET/METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO _{Au} | ASSAYS | | | | |
|-------------|------------|--|--------------|--|-----------|--|----------------------|-------------------------|---------|----------------------|-----|-------------------------|----------------------|
| | | | | | | | | | oz/t Ag | oz/t Cu | Pb% | Zn% | |
| 226.5/69.0 | 246.0/75.0 | A ₄ ANDESITE FLOW:-medium green, medium grained, white speckled-light grey bleached zone associated with fault | | 1-2% fine disseminated pyrite- 5% carbonate & quartz veins fault at 230 ft/701.m at 70° to core axis | 1-2 | 72.32 73.84 | m 1.52 | 88551 | 0.008 | 0.07 | - | 0.03 | 0.04 |
| 246.0/75.0 | 261.0/79.6 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: light to medium green, variable bleaching, fine grained, 5% <6cm andesite fragments | | 1% fine disseminated pyrite, 10% carbonate, small fault 70°-90° to core axis | 1 | 75.21 76.66 76.66 78.03 78.03 79.55 | 1.45 1.37 1.52 | 88552 88553 88554 | <0.003 | 0.06 0.01 0.02 | - | 0.01 <0.01 <0.01 | 0.02 0.01 0.01 |
| 261.0/79.6 | 266.5/81.2 | ANDESITE DYKE (FEEDER): medium to dark green- fine grained contact | | | | | | | | | | | |
| 266.5/81.2 | 288.0/87.8 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: dark green, medium grained, upto 4cm andesite fragments | | 2-3% fine disseminated pyrite, 10% carbonate, 1-2% quartz veins | 2-3 | 81.08 82.45 82.45 83.74 83.74 85.27 | 1.37 1.29 1.53 | 88555 88556 88557 | <0.003 | 0.01 0.02 0.02 | - | <0.01 <0.01 <0.01 | 0.01 0.01 0.01 |
| | | | | | 2-3 | 85.27 86.64 | 1.47 | 88558 | <0.003 | 0.01 | - | <0.01 | 0.01 |
| | | | | | 2-3 | 86.64 88.08 | 1.44 | 88559 | <0.003 | 0.12 | - | <0.01 | 0.01 |

WESTERN MINES LIMITED

Page 18 of 21

HOLE NO. BM 79-5

| FEET/METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | |
|-----------------|-----------------|---|--------------|---|-----------|------------------|---------------|---------------|--------|---------|-----|------|------|
| | | | | | | | | | oz/t | Ag oz/t | Cu% | Pb% | Zn% |
| 610.0 185.9 | 623.5 190.0 | A ₄ ANDESITE FLOW: medium to dark green <6cm | | 2% fine disseminated & 5mm | | 185.93 187.30 | m 1.27 | 88596 | 0.003 | 0.09 | - | 0.25 | 0.52 |
| | | andesite fragments, locally bleached resulting | | crystals of pyrite, contact is | | | | | | | | | |
| | | in psuedo-fragmental appearance | | 0.3m wide cherty tuff with 5% | | | | | | | | | |
| | | | | pyrite, <1% sphalerite, 0.5% galena | | | | | | | | | |
| 623.5 190.0 | 632.75 192.9 | CHERTY TUFF:-A ₄ ANDESITE: medium to dark green, | | <10% fine disseminated & | 10 | 187.30 188.82 | 1.02 | 88597 | 0.018 | 0.01 | - | 0.04 | 0.08 |
| | | upto 5cm andesite fragments floating in a | | irregular stringered pyrite with | 10 | 188.32 190.35 | 2.03 | 88598 | 0.003 | 0.38 | - | 0.05 | 0.18 |
| | | cherty tuff-carbonate matrix, distinct chert | | minor sphalerite & galena; 5-10% | 10 | 190.35 191.87 | 1.52 | 88599 | 0.020 | 1.04 | - | 0.16 | 0.33 |
| | | bands present at 90° to core axis | | carbonate-quartz veins with | 10 | 191.87 193.24 | 1.37 | 88600 | 0.005 | 0.09 | - | 0.02 | 0.05 |
| | | | | pyrite, sphalerite & galena, contact at 80°-85° to core axis | | | | | | | | | |
| 632.75 192.9 | 668.0 203.6 | A ₄ ANDESITE TUFFACEOUS LAPILLI AGGLOMERATE: | | 1% fine grained disseminated | 2 | 193.24 194.77 | 1.53 | 88601 | 0.003 | 0.01 | - | 0.01 | 0.04 |
| | | medium to dark green, upto 10cm andesite | | pyrite, 5% carbonate & 5% quartz | 2 | 194.77 196.29 | 1.52 | 88602 | 0.003 | 0.01 | - | 0.06 | 0.37 |
| | | fragments in a light grey bleached andesite | | veins with sphalerite, galena, | 2 | 196.29 197.82 | 1.53 | 88603 | 0.012 | 0.01 | - | 0.10 | 0.46 |
| | | matrix | | pyrite, upto 5mm in size, may | 2 | 197.82 199.34 | 1.52 | 88604 | 0.010 | 0.01 | - | 0.04 | 0.16 |
| | | | | contain upto 90% sulphide, shears @ 60-70° to core axis, quartz veins 40-50° to core axis-60-70° core axis parallel to shears | 2 | 199.34 200.71 | 1.37 | 88605 | 0.080 | 0.12 | - | 0.04 | 0.20 |

WESTERN MINES LIMITED

Page 19 of 21

HOLE NO. BM 79-5

| FEET/ METRES | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | |
|----------------|------------------------|--|-----------------------------------|-----------|------------------|---------------|---------------|---------|------|-----|-------|------|
| | | | | | | | | oz/t Ag | oz/t | Cu% | Pb % | Zn% |
| | | | | 2 | 200.71 202.31 | m 1.60 | 88606 | 0.008 | 0.11 | - | 0.02 | 0.02 |
| | | | | 2 | 202.31 203.76 | 1.45 | 88607 | <0.003 | 0.01 | - | 0.02 | 0.22 |
| 668.0 203.6 | 672.0 204.8 | A ₄ ANDESITE-CHERTY TUFF: light medium green | 3-5% fine disseminated pyrite | | 203.76 205.28 | 1.52 | 88608 | 0.018 | 0.01 | - | <0.01 | 0.03 |
| | | andesite fragments in a recrystallized light | with minor sphalerite, galena, 5% | | | | | | | | | |
| | | grey-green cherty tuff matrix | carbonate-quartz veins-contact | | | | | | | | | |
| | | | irregular 70-80° to core axis | | | | | | | | | |
| | | | | 1 | 205.28 206.81 | 1.53 | 88609 | <0.003 | 0.01 | - | 0.01 | 0.04 |
| 672.0 204.8 | 732.5 223.27 | A ₄ -Si ANDESITE AGGLOMERATIC LAPILLI TUFF: - | 1% fine disseminated pyrite; 5% | 1 | 206.81 208.33 | 1.52 | 88610 | <0.003 | 0.01 | - | 0.01 | 0.03 |
| | | Light grey-green <4cm andesite fragments in a | carbonate with or without quartz | 1 | 211.22 212.75 | 1.53 | 88611 | 0.003 | 1.17 | - | 0.01 | 0.01 |
| | | fine grained matrix | veins, trace sphalerite & galena | 1 | 213.97 215.80 | 1.83 | 88612 | <0.003 | 0.01 | - | 0.05 | 0.16 |
| | | | | 1 | 215.80 217.63 | 1.83 | 88613 | 0.048 | 0.31 | - | 0.12 | 0.30 |
| | | | | | 218.62 220.29 | 1.57 | 88614 | 0.003 | 0.07 | - | 0.02 | 0.04 |
| | | | | | 220.29 221.74 | 1.45 | 88615 | <0.003 | 0.01 | - | 0.01 | 0.02 |
| | | | | | 221.74 223.27 | 1.53 | 88616 | 0.003 | 0.01 | - | 0.01 | 0.02 |

WESTERN MINES LIMITED

PROPERTY: Big Missouri
PROJECT No: 50459

NTS
104/BIE
LAT. 56°05'N
DEP. 136°00'W

LOGGED BY: S. Dykes
DATE: Oct. 10-12/79
SURVEYED BY: S. Dykes
DATE: Oct. 9/79

COLLAPSED: October 8/79
COMPLETED: October 9/79

| COLLAR: CHAINED | | SURVEYED | | ESTIMATED | | CASING: LEFT IN HOLE: YES <input checked="" type="checkbox"/> X No <input type="checkbox"/> | CORE SIZE | DEPTH | HOLE CHARACTERISTICS | | | |
|-----------------|--------------|------------|---------------|-----------|--|---|-----------|-------|----------------------|------------------|--------------|--|
| LENGTH | GROUND | DRILL DECK | TOP OF CASING | | | | | | CAVING | LOST CIRCULATION | WATER POINTS | |
| | 1056m | 0 | | | | | NQ | 0 | 135.9 | | | |
| ELEVATION | 1056m | | | | | | | | | | | |
| HOLE COORD. | 11+50N/9+40E | | | | | | | | | | | |
| HOLE SURVEY | | | | | | | | | | | | |
| DEPTH | Collar | 135.9m | | | | | | | | | | |
| DIP | -80° | -67° | | | | | | | | | | |
| MAG. BEARING | 070° | - | | | | | | | | | | |
| GRID BEARING | 070° | - | | | | | | | | | | |
| TRUE BEARING | 041° | - | | | | | | | | | | |
| INSTRUMENT | Brunton Acid | | | | | | | | | | | |

EQUIPMENT, RODS, BIT, ETC IN HOLE:
2 - 2 ft. NW Casing

OBJECTIVE / COMMENTS: PROVINCE CLAIM

- ROCK TYPES
- A₁ : - Feldspar porphyritic
 - A₂ : - Amphibole porphyritic
 - A₃ : - Non-porphyritic
 - A₄ : - Feldspar & amphibole porphyritic
 - Si : - Silica-rich matrix

WESTERN MINES LIMITED

| FEET/ METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO _{Au} | ASSAYS | | | | |
|--------------|-------------|--|--------------|---|-----------|-----------------|---------------|-------------------------|---------|---------|-------|-------|------|
| | | | | | | | | | oz/t Ag | oz/t Cu | Pb% | Zn% | |
| 36.75/ 11.2 | 50.5/ 15.4 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI | TUFF:- | 15% fine disseminated & stringered pyrite, shear at | 15 | 11.37 12.80 | m 1.53 | 88631 | 0.003 | 0.26 | <0.01 | 0.01 | 0.02 |
| | | light grey with minor (2%) <8cm andesite fragments in a fine grained sericitic | | 46.25 ft/14.1m at 15° to core axis | 15 | 12.80 14.32 | 1.52 | 88632 | <0.003 | 0.16 | <0.01 | 0.02 | 0.03 |
| | | pyrite matrix | | | | 14.32 15.70 | 1.38 | 88633 | 0.005 | 0.19 | <0.01 | <0.01 | 0.02 |
| 50.5/ 15.4 | 55.5/ 16.9 | A ₄ BLEACHED ANDESITE FLOW:-light grey to green, fine grained | | 1-2% fine disseminated pyrite with 15% pyrite stringers, shears at 15° to core axis | 16 | 15.70 17.14 | 1.44 | 88634 | 0.003 | 0.16 | <0.01 | <0.01 | 0.02 |
| 55.5/ 16.9 | 66.5/ 20.3 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI | | 1-2% fine disseminated pyrite | 6-7 | 17.14 18.82 | 1.68 | 88635 | <0.003 | 0.08 | <0.01 | <0.01 | 0.01 |
| | | TUFF:-light grey, sericitic, moderate schistosity with siliceous matrix | | with 5% pyrite stringers, shears at 15° to core axis, Fault @ 58.5ft/17.8m @ 20° to core axis | 6-7 | 18.82 20.26 | 1.44 | 88636 | <0.003 | 0.10 | <0.01 | <0.01 | 0.01 |
| 66.5/ 20.3 | 72.75/ 22.2 | A ₄ BLEACHED ANDESITE FLOW:-light grey to green, fine grained | | 1-2% fine disseminated pyrite | 6-9 | 20.26 21.64 | 1.38 | 88637 | <0.003 | 0.04 | <0.01 | <0.01 | 0.01 |
| | | | | 5-7% stringered pyrite, locally associated with chlorite | | 21.64 23.01 | 1.37 | 88638 | 0.005 | 0.16 | <0.01 | <0.01 | 0.01 |

| FEET / METRES | | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | |
|---------------|--------------|--|--------------|---|-----------|-----------------|---------------|---------------|--------|---------|-----|-------|-------|
| | | | | | | | | | oz/t | Ag oz/t | Cu% | Pb% | Zn% |
| 106.5 / 32.5 | 114.5 / 34.9 | A ₄ BLEACHED ANDESITE FLOW: light medium | | 5% fine grained disseminated | 5 | 31.85 33.38 | m 1.53 | 88645 | <0.003 | 0.01 | - | <0.01 | 0.01 |
| | | grey, fine grained, white speckled | | pyrite, shears at 60° to core | 5 | 33.38 34.90 | 1.52 | 88646 | <0.003 | 0.01 | - | <0.01 | 0.01 |
| | | (leucoxene) | | axis in foliation plane, | | | | | | | | | |
| | | | | fault 114.5 ft/34.9m at 10° to | | | | | | | | | |
| | | | | core axis | | | | | | | | | |
| 114.5 / 34.9 | 126.0 / 38.4 | A ₁ BLEACHED ANDESITE TUFF; light grey, | | 10-15% fine grained disseminated | 10-15 | 34.90 36.42 | 1.52 | 88647 | <0.003 | 0.02 | - | <0.01 | 0.01 |
| | | strongly foliated, sericitic | | pyrite, fault 119.5 ft/36.4m at | 10-15 | 36.42 37.94 | 1.52 | 88648 | <0.003 | 0.016 | - | <0.01 | 0.01 |
| | | | | 60° to core axis, broken core | | 37.94 39.32 | 1.38 | 88649 | <0.003 | 0.02 | - | <0.01 | 0.01 |
| | | | | 124 ft/37.8m at 10° core axis | | | | | | | | | |
| 126.0 / 38.4 | 136.0 / 41.5 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI | | 7-9% fine disseminated pyrite | 7-9 | 39.32 40.84 | 1.52 | 88650 | <0.003 | 0.01 | - | <0.01 | 0.01 |
| | | TUFF: light to medium grey <4cm andesite | | | 7-9 | 40.84 42.36 | 1.52 | 88651 | 0.003 | 0.05 | - | <0.01 | 0.01 |
| | | fragments in a fine lapilli tuff matrix-MARKER | | | | | | | | | | | |
| 136.0 / 41.5 | 201.7 / 61.5 | A ₄ ANDESITE FLOW: light medium green, fine | | 1% fine disseminated pyrite- numerous shears 70° core axis | | 42.36 43.89 | 1.53 | 88652 | <0.003 | 0.06 | - | <0.01 | <0.01 |
| | | grained, non to weakly foliated | | fault 185 ft/56.4m at 80° core axis | | 54.56 56.08 | 1.52 | 88653 | <0.003 | 0.03 | - | <0.01 | 0.01 |

| FEET/ METRES | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO Au | ASSAYS | | | | |
|------------------------------|---|--------------|--------------------------------|-----------|-----------------|---------------|--------------|---------|------|-----|-------|------|
| | | | | | | | | oz/t Ag | oz/t | Cu% | Pb% | Zn% |
| 267.0 / 81.4 / 276.0 / 84.1 | A ₄ BLEACHED ANDESITE-CHERTY TUFF:-65-70% | | 5-7% fine disseminated pyrite | 5-7 | 81.84 83.36 | m 1.52 | 88661 | 0.003 | 0.14 | - | 0.01 | 0.03 |
| | andesite, higher amount of chert on top- | | contains trace galena, contact | 5-7 | 83.36 84.88 | 1.52 | 88662 | 0.003 | 0.16 | - | 0.01 | 0.01 |
| | intermixed - 1-2% carbon at top | | at 70° to core axis-4% quartz | | | | | | | | | |
| | | | veins | | | | | | | | | |
| 276.0 / 84.1 / 280.75 / 85.6 | A ₃ ANDESITE LAPILLI TUFF:-light to medium | | 1% fine disseminated pyrite, | | 84.88 86.33 | 1.53 | 88704 | 0.003 | 0.02 | - | <0.01 | 0.01 |
| | green, fine grained, 10% lapilli | | contact at 70° to core axis | | | | | | | | | |
| 280.75 / 85.6 / 308.0 / 93.9 | A ₄₋₂ ANDESITE FLOW: medium green, fine | | 1% fine disseminated pyrite | 1 | 86.33 87.93 | 1.63 | 88705 | 0.003 | 0.10 | - | <0.01 | 0.01 |
| | grained-minor interlow cherty tuffs | | | 1 | 87.93 89.21 | 1.28 | 88663 | 0.003 | 0.14 | - | 0.01 | 0.01 |
| | | | | 1 | 89.21 90.68 | 1.47 | 88664 | 0.003 | 0.01 | - | 0.01 | 0.02 |
| 308.0 / 93.9 / 312.5 / 95.25 | A ₄ BLEACHED ANDESITE FLOW: light grey, | | 5-7% fine disseminated pyrite | 1 | 90.68 92.12 | 1.44 | 88665 | 0.003 | 0.12 | - | <0.01 | 0.01 |
| | sericitic flow top with minor grey chert, | | | 1 | 92.12 93.26 | 1.14 | 88666 | 0.003 | 0.08 | - | <0.01 | 0.01 |
| | gradational contacts | | | 5-7 | 93.26 95.17 | 1.91 | 88667 | 0.003 | 0.08 | - | 0.04 | 0.06 |

| FEET/ METRES | ROCK TYPE / ALTERATION | GRAPHIC LOG. | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE NO. Au | ASSAYS | | | | | |
|------------------------------|--|--------------|---|-----------|------------------|---------------|---------------|---------|----------|-----|------|------|--|
| | | | | | | | | oz/t Ag | oz/t Cu% | Pb% | Zn% | | |
| 312.5/ 95.25 / 362.5/ 110.5 | A ₄ ANDESITE FLOW: medium green, medium-coarse grained, white speckled | | 1% fine disseminated pyrite- locally 4% stringered pyrite | 4 | 95.17 96.62 | m 1.45 | 88668 | <0.003 | 0.08 | - | 0.01 | 0.01 | |
| | | | 3% carbonate veins | 4 | 102.41 103.93 | 1.52 | 88670 | 0.005 | 0.09 | - | 0.02 | 0.04 | |
| 362.5/ 110.5 / 367.25/ 111.9 | CHERTY TUFF-A ₄ BLEACHED ANDESITE: light grey, calcareous with cherty tuff & andesite fragments floating in carbonate | | 3-4% fine disseminated pyrite | | 109.80 111.32 | 1.52 | 88671 | <0.003 | 0.20 | - | 0.01 | 0.01 | |
| 367.25/ 111.9 / 433.0/ 132.0 | A ₄ ANDESITE FLOW: medium green, fine to medium grained, several interflow cherty horizons | | 1% fine disseminated pyrite, locally 5% stringered pyrite, contacts at 65 to 75° to core axis | 5 | 111.32 112.77 | 1.45 | 88672 | <0.003 | 0.24 | - | 0.01 | 0.02 | |
| | | | | 5 | 113.60 114.83 | 1.23 | 88673 | 0.012 | 0.22 | - | 0.04 | 0.14 | |
| | | | | 5 | 115.60 117.12 | 1.52 | 88674 | 0.003 | 0.11 | - | 0.01 | 0.01 | |
| | | | | 5 | 117.73 120.10 | 2.37 | 88675 | <0.003 | 0.1 | - | 0.01 | 0.01 | |
| | | | | 5 | 120.7 122.52 | 2.45 | 88676 | <0.003 | 0.11 | - | 0.01 | 0.01 | |
| | | | | 5 | 122.99 125.04 | 2.05 | 88677 | 0.005 | 0.06 | - | 0.01 | 0.01 | |

WESTERN MINES LIMITED

PROPERTY: Big Missouri NTS LAT. 56°05'N LOGGED BY: S. Dykes DATE: Oct. 11, 1979 COLLAPSED: Oct. 9, 1979
 PROJECT No: 50459 104/BIE DEP. 130°00'W SURVEYED BY: S. Dykes DATE: Oct. 10, 1979 COMPLETED: Oct. 10, 1979

| COLLAR: CHAINED | | | | SURVEYED | | ESTIMATED | | CASING: | | CORE SIZE | DEPTH | HOLE CHARACTERISTICS | | | EQUIPMENT, RODS, BIT, ETC IN HOLE: |
|-----------------|--------------|------------|---------------|---|--|-----------|---|---------|--------|------------------|--------------|----------------------|--|--|------------------------------------|
| LENGTH | GROUND | DRILL DECK | TOP OF CASING | LEFT IN HOLE: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | | NO | 0 | 37.5m | CAVING | LOST CIRCULATION | WATER POINTS | | | | |
| ELEVATION | 1056m | | | | | | | | | | | | | | 2 - 2 ft. NW casing |
| HOLE COORD. | 11+50N/9+40E | | | | | | | | | | | | | | |
| HOLE SURVEY | | | | | | | | | | | | | | | |
| DEPTH | Collar | | | | | | | | | | | | | | |
| DIP | -45° | | | | | | | | | | | | | | |
| MAG. BEARING | 070° | | | | | | | | | | | | | | |
| GRID. BEARING | 070° | | | | | | | | | | | | | | |
| TRUE BEARING | 041° | | | | | | | | | | | | | | |
| INSTRUMENT | Brunton | | | | | | | | | | | | | | |

OBJECTIVE / COMMENTS: Province Claim: -

- Rock Types
- A₁: - Feldspar Porphyritic
 - A₂: - Amphibole Porphyritic
 - A₃: - Non Porphyritic
 - A₄: - Feldspar & amphibole Porphyritic
 - Si: - silica-rich matrix

| FEET / METERS | ← ROCK TYPE / ALTERATION | GRAPHIC LOG | MINERALIZATION / STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | | | |
|---------------|---|-------------|-----------------------------------|-----------|-----------------|---------------|--------------|--------|---------|-------|------|------|--|--|--|
| | | | | | | | | oz/t | Ag oz/t | %Cu | %Pb | %Zn | | | |
| 0 / 4 | | | | | | | | | | | | | | | |
| 0 / 1.21 | CASING | | | | | | | | | | | | | | |
| 4 / 22 | | | | | 4'-9' | 5ft | | | | | | | | | |
| 1.21 / 6.7 | CHERTY TUFF-A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI | | <15% fine disseminated & | 15 | 1.21-2.74 | 1.5m | 88681 | 0.164 | 0.29 | <0.01 | 0.1 | 0.09 | | | |
| | TUFF: light grey-white mottled with up to 10% <5cm | | stringered Pyrite with <1% | 15 | 2.74-4.26 | 1.5m | 88682 | 0.242 | 0.29 | <0.01 | 0.01 | 0.01 | | | |
| | angular subrounded medium grey black andesite | | sphalerite & galena; 5% black | 15 | 4.26-5.8m | 1.5m | 88683 | 0.27 | 0.22 | <0.01 | 0.02 | 0.03 | | | |
| | fragments in a highly siliceous cherty tuff matrix | | carbonaceous material as | 15 | 5.8-7.3 | 1.5m | 88684 | 0.06 | 0.18 | <0.01 | 0.06 | 0.28 | | | |
| | carbon | | stryolites & fine grained matrix; | | | | | | | | | | | | |
| | | | 2-3% quartz veins 17 ft/5.2 fault | | | | | | | | | | | | |
| | | | at 10° to core axis | | | | | | | | | | | | |
| 22 / 44 | | | | 15- | 24-28.5 | 4.5ft | | | | | | | | | |
| 6.7 / 13.4 | CHERTY TUFF - A ₄ -Si BLEACHED ANDESITE AGGLOMERATIC | | 15-20% fine disseminated & | 20 | 7.3-8.7 | 1.4m | 88685 | 0.052 | 0.23 | <0.01 | 0.06 | 0.14 | | | |
| | LAPILLI TUFF: light grey to green with 10% | | stringered pyrite with locally | 15- | 28.5-33.25 | 4.7ft | | | | | | | | | |
| | andesite fragments in a siliceous cherty tuff matrix | | up to 1% sphalerite & galena; 15% | 20 | 8.7-10.1 | 1.4m | 88686 | 0.022 | 0.03 | <0.01 | 0.01 | 0.06 | | | |
| | | | quartz veins & stringers | 15- | 33.25-37.0 | 3.75ft | | | | | | | | | |
| | | | containing sphalerite & galena | 20 | 10.1-11.3 | 1.2m | 88687 | 0.032 | 0.18 | <0.01 | 0.06 | 0.11 | | | |
| | | | upper contact at 70°, lower at | 15- | 37.0-42.0 | 5ft | | | | | | | | | |
| | | | 60° to core axis | 20 | 11.3-12.8 | 1.5m | 88688 | 0.02 | 0.14 | <0.01 | 0.02 | 0.03 | | | |
| | | | | 15- | 42.0-47.25 | 5.25ft | | | | | | | | | |
| | | | | 20 | 12.8-14.40 | 1.6m | 88689 | 0.01 | 0.23 | <0.01 | 0.01 | 0.02 | | | |

| FEET/METERS | ← ROCK TYPE/ALTERATION | GRAPHIC LOG | MINERALIZATION/STRUCTURE | % SULFIDE | SAMPLE INTERVAL | SAMPLE LENGTH | SAMPLE No Au | ASSAYS | | | | | | |
|---------------------------|---|-------------|---|-----------|-----------------|---------------|--------------|---------|---------|-------|-------|------|--|--|
| | | | | | | | | oz/t Ag | oz/t Au | % Cu | % Pb | % Zn | | |
| 44 / 68.75 13.4 21.0 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: | | 10-15% fine disseminated & | 10-15 | 47.25-52.25 | 25 5ft | | | | | | | | |
| | light grey with minor (5%) up to 8cm andesite | | stringered pyrite; 5-10% quartz | 10-15 | 14.4-15.9 | 1.5m | 88690 | <0.003 | 0.1 | <0.01 | 0.01 | 0.01 | | |
| | fragments in a fine grained sericitic & pyritic | | veins. Faults at 40-45° C.A. @ | 10-15 | 52.25-57.0 | 4.75ft | | | | | | | | |
| | matrix | | 54 ft/16.5m, 63 ft/19.2m | 10-15 | 15.9-17.4 | 1.5m | 88691 | <0.003 | 0.01 | <0.01 | 0.01 | 0.01 | | |
| 68.75 / 84.5 21.0 25.8 | A ₄ BLEACHED ANDEISTE FLOW: light grey green; | | <1% fine disseminated pyrite | | 57.0-61.75 | 4.75ft | | | | | | | | |
| | fine grained | | locally 5% pyrite stringers, 2-3% quartz stringers, foliation | 5 | 17.4-18.8 | 1.4m | 88692 | <0.003 | 0.1 | <0.01 | 0.01 | 0.02 | | |
| | | | at 70° to core axis | | 61.75-66.25 | 5.5ft | | | | | | | | |
| 84.5 / 94.0 25.8 28.7 | A ₄ BLEACHED ANDESITE AGGLOMERATIC LAPILLI TUFF: | | 2-3% fine disseminated pyrite, | | 18.8-20.2 | 1.4m | 88693 | 0.003 | 0.19 | <0.01 | <0.01 | 0.03 | | |
| | light grey sericitic, moderately foliation | | cross-cut 2-3% quartz veins | | 66.25-71.25 | 5ft | | | | | | | | |
| 94.0 / 99.75 28.7 30.4 | A ₄ BLEACHED ANDESITE FLOW: light grey-green, | | <1% disseminated pyrite locally | | 20.2-21.7 | 1.5m | 88694 | <0.003 | 0.14 | <0.01 | <0.01 | 0.01 | | |
| | fine grained | | 5% pyrite stringers, 2% quartz | | 78.5-85.75 | 7.25ft | | | | | | | | |
| | | | veins | | 23.9-26.1 | 2.2m | 88695 | <0.003 | 0.18 | <0.01 | <0.01 | 0.01 | | |
| | | | | | 85.75-90.5 | 4.75ft | | | | | | | | |
| | | | | | 26.1-27.6 | 1.5m | 88696 | <0.003 | 0.08 | <0.01 | <0.01 | 0.01 | | |
| | | | | | 90.5-95.0 | 4.5ft | | | | | | | | |
| | | | | | 27.6-29.0 | 1.4m | 88697 | <0.003 | 0.12 | <0.01 | <0.01 | 0.01 | | |
| | | | | | 95.0-99.75 | 4.75ft | | | | | | | | |
| | | | | | 29.0-30.4 | 1.4m | 88698 | <0.003 | 0.12 | <0.01 | <0.01 | 0.01 | | |

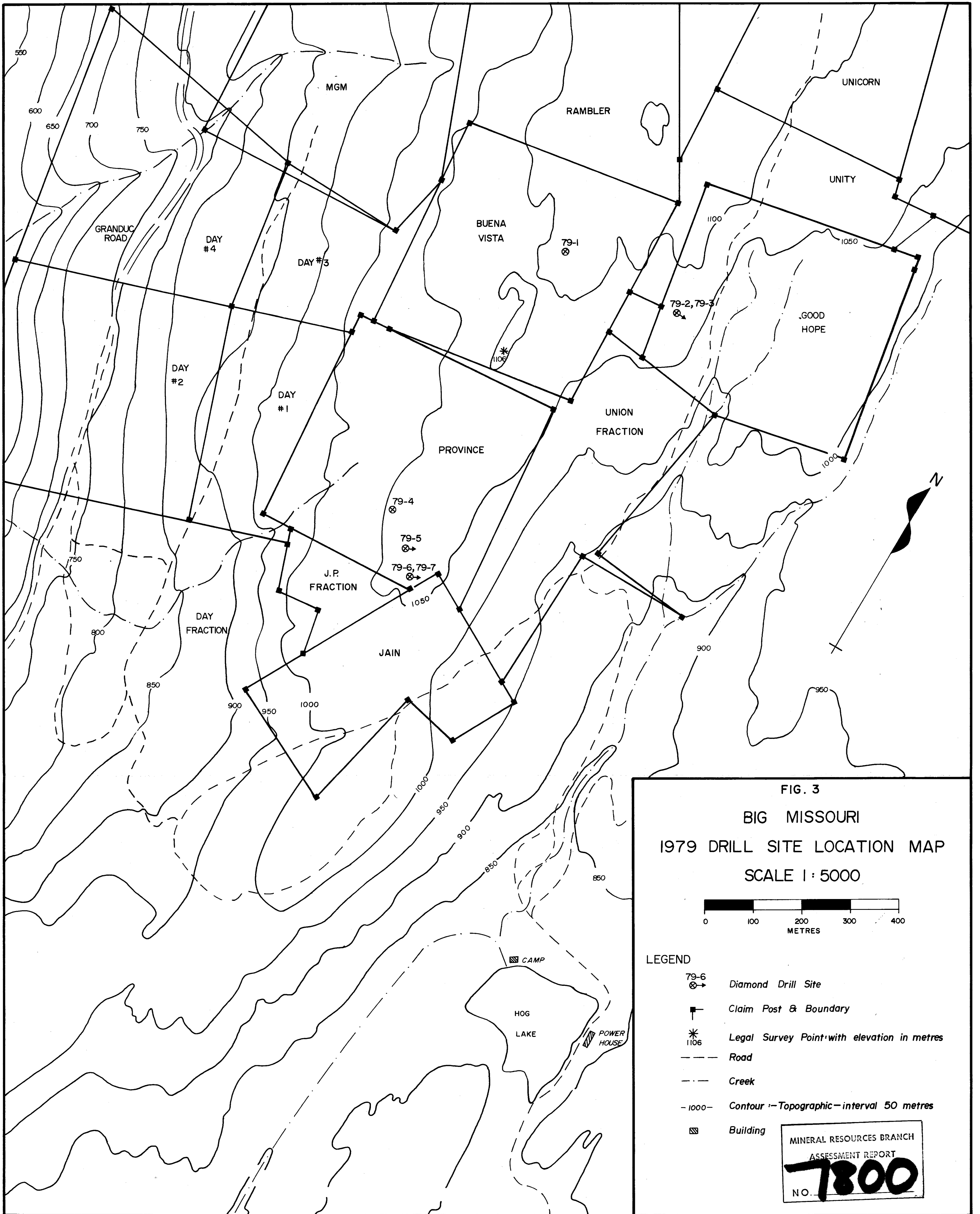
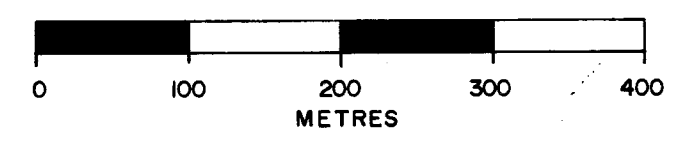


FIG. 3
 BIG MISSOURI
 1979 DRILL SITE LOCATION MAP
 SCALE 1 : 5000



- LEGEND
- 79-6 Diamond Drill Site
 - Claim Post & Boundary
 - * 1106 Legal Survey Point with elevation in metres
 - Road
 - - - Creek
 - 1000 - Contour - Topographic - interval 50 metres
 - Building

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **7800**