



42A05NE8473 25 BRISTOL

010

DIAMOND DRILLING

TOWNSHIP: Bristol

REPORT No.: 25

WORK PERFORMED BY: Rio Algom Exploration Inc.

| <u>CLAIM No.</u> | <u>HOLE No.</u> | <u>FOOTAGE</u> | <u>DATE</u> | <u>NOTE</u> |
|------------------|-----------------|----------------|-------------|-------------|
| P 363445 | 1 | 347 | Feb/84 | (1) |
| P 451543 | 2 | 357 | Feb/84 | (1) |
| P 525963 | 3 | 437 | Feb/84 | (1) |
| P 479503 | 4 | 595 | Feb/84 | (1) |
| P 454000 | 5 | 391 | Feb/84 | (1) |
| P 444494 | 6 | 500 | Feb/84 | (1) |
| P 413423 | 8 | 511 | Mar/84 | (1) |
| P 444487 | 7 | 537 | Feb/84 | (2) |
| P 699068 | 9 | 351 | Mar/84 | (2) |
| P 699066 | 10 | 437 | Mar/84 | (2) |
| P 451544 | 11 | 487 | Mar/84 | (2) |

NOTES: (1) #121-84
(2) #478-84

RIO ALGOM EXPLORATION INC.
~~RIOCANEX INC.~~
 DIAMOND DRILL RECORD

LOCATION: 200E 238S

HOLE No.: 1
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AZIMUTH : 326° LENGTH : 105.8m 347' ELEVATION: PROPERTY: Allerston Option, Bristol Twp.
 DIP : -51° CORE SIZE: BQ DATE LOGGED: February 6, 1984 CLAIM No.: P363445
 STARTED: February 3, 1984 COMPLETED: February 5, 1984 DIP TESTS: 46m: 49°, 105m: 46° SECTION :
 PURPOSE: To test IP Anomaly LOGGED BY: W. Benham *W. Benham*

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 0 | 3.30 | Overburden | | | | | | | | | | | |
| 3.30 | 7.30 | Altered Mafic Volcanic | | | | | | | | | | | |
| | | Sheared, stretched, creamy brown, soft sericitic | | | | | | | | | | | |
| | | 3-5 cm fragments in a dark grey fine | | | | | | | | | | | |
| | | grained matrix shearing at 50° | | | | | | | | | | | |
| | | 1% disseminated pyrite | | | | | | | | | | | |
| | | 4.50, 2 cm white quartz carbonate vein at 70° | | | | | | | | | | | |
| | | 5.30, 0.5 cm grey-white quartz vein at 70° | | | | | | | | | | | |
| | | 5.50, 3.0 cm grey-white quartz vein at 70° | | | | | | | | | | | |
| | | 6.86, 0.5 cm white quartz carbonate vein at 70° | | | | | | | | | | | |
| 7.30 | 9.52 | Felsic Tuff, Quartz Porphyry | | | | | | | | | | | |
| | | Grey green, fine grained quartz porphyritic tuff | | | | | | | | | | | |
| | | (possible intrusive) | | | | | | | | | | | |
| | | Upper contact sharp at 50° | | | | | | | | | | | |
| | | Lower contact at 60° | | | | | | | | | | | |
| | | 8.27-8.38 irregular white quartz veining at 20° | | | | | | | | | | | |
| | | 8.02, 0.5 cm grey quartz vein at 90° | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 9.52 | 19.50 | Altered Mafic Volcanic | | | | | | | | | | | |
| | | 1-4 cm, stretched, light grey sericitic fragments | | | | | | | | | | | |
| | | in a finer grained grey green matrix | | | | | | | | | | | |
| | | Sheared at 45-55° | | | | | | | | | | | |
| | | 9.52-9.75 | | | | | | | | | | | |
| | | Fine grained, brown, carbonate alteration | | | | | | | | | | | |
| | | 2% grey white quartz fragments | | | | | | | | | | | |
| | | < 1% pyrite | | | | | | | | | | | |
| | | 10.03-10.15 | | | | | | | | | | | |
| | | Brown, fine grained rusty carbonate alternate | | | | | | | | | | | |
| | | 10.25-10.30 | | | | | | | | | | | |
| | | White quartz carbonate vein at 45°, trace pyrite | | | | | | | | | | | |
| | | 10.33, 1 cm quartz vein at 65° | | | | | | | | | | | |
| | | 10.40, 1 cm quartz vein at 20° | | | | | | | | | | | |
| | | 10.84-10.97 | | | | | | | | | | | |
| | | Rusty brecciated white quartz veining, 1% pyrite, | | | | | | | | | | | |
| | | 30% rusty carbonate | | | | | | | | | | | |
| | | 9.52-10.97 | | | | | | | | | | | |
| | | 85% core recovery | | | | | | | | | | | |
| | | 15.85-19.50 | | | | | | | | | | | |
| | | More chloritic | | | | | | | | | | | |
| | | 17.40-17.45, 17.60-17.80 | | | | | | | | | | | |
| | | Rusty brown carbonate alteration | | | | | | | | | | | |
| | | 16.45, 2 cm white quartz vein at 85° | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 17.94, 2 cm white quartz vein with tourmaline and pyrite | | | | | | | | | | | |
| | | 18.10-19.50 Soft, rusty brown carbonate alteration 35% core recovery | | | | | | | | | | | |
| 19.50 | 26.65 | Altered Mafic Volcanic Shearing at 45-50° Sericitic creamy stretched fragments of finely laminated sericite. in a chloritic mafic, weakly carbonate alteration matrix, trace pyrite | | | | | | | | | | | |
| | | 19.80-19.95 Rusty brown, strong carbonate alteration | | | | | | | | | | | |
| | | 20.41, 0.5 quartz carbonate vein at 90° | | | | | | | | | | | |
| | | 22.80, 1 cm grey white quartz vein with carbonate margins at 80° | | | | | | | | | | | |
| | | 23.44 1 cm quartz carbonate vein at 85° | | | | | | | | | | | |
| | | 23.77 2 cm irregular quartz carbonate vein at 55-90° | | | | | | | | | | | |
| | | 24.48 0.5 cm quartz carbonate vein at 50° | | | | | | | | | | | |
| 26.65 | 44.90 | Sheared Mafic Volcanic Light grey green, stretched fine grained, soft intermediate fragments in a dark green, carbonated chloritic mafic matrix. | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | Shearing at 50-55° | | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | | |
| | | 26.65-37.40 | | | | | | | | | | | |
| | | Strongly carbonate white quartz carbonate veins | | | | | | | | | | | |
| | | cross-cutting and parallel to shearing, | | | | | | | | | | | |
| | | 10-15%, 0.1-2cm, irregular quartz veining, | | | | | | | | | | | |
| | | stringers and knots | | | | | | | | | | | |
| | | 27.55-27.70 | | | | | | | | | | | |
| | | 5% subhedral pyrite in a finer grained more | | | | | | | | | | | |
| | | chloritic, carbonated, dark green band at 52° | | | | | | | | | | | |
| | | 33.75-33.90 | | | | | | | | | | | |
| | | Light grey white fractured, cross-cutting quartz | | | | | | | | | | | |
| | | vein at 60-65° | | | | | | | | | | | |
| | | Shearing at 55° | | | | | | | | | | | |
| | | 1% 0.5-2mm grey, dark grey arsenopyrite crystals | | | | | | | | | | | |
| | | trace pyrite | | | | | | | | | | | |
| | | Fine visible gold around a single 1 x 0.5mm | | | | | | | | | | | |
| | | arsenopyrite crystal | | | | | | | | | | | |
| | | 42.05 1 cm white quartz vein at 80° | | | | | | | | | | | |
| | | 42.15-42.20 | | | | | | | | | | | |
| | | Rusty, carbonate brown with quartz fragments | | | | | | | | | | | |
| | | 43.03, 1.5 cm quartz carbonate vein at 90° | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 44.90 | 50.50 | Altered Mafic Volcanic | | | | | | | | | | | |
| | | Cream to light grey sericitic sheared fragments | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | in a green chloritic, carbonated matrix, < 1% pyrite | | | | | | | | | | |
| | | Sheared at 55° | | | | | | | | | | |
| | | 45.08, 1 cm grey quartz vein at 90°, trace pyrite | | | | | | | | | | |
| | | 45.92, 2 cm quartz carbonate vein at 90° | | | | | | | | | | |
| | | 46.0 , Rusty fracture at 25° | | | | | | | | | | |
| | | 46.86, 1 cm quartz carbonate vein at 85° | | | | | | | | | | |
| | | 47.80, 2.0 cm quartz carbonate tourmaline vein at 70° | | | | | | | | | | |
| | | 48.35, 3.0 cm white quartz vein at 65°, trace pyrite | | | | | | | | | | |
| | | 49.50, 5 cm white fractured quartz vein at 90°, tourmaline | | | | | | | | | | |
| 50.50 | 56.93 | Mafic Volcanic | | | | | | | | | | |
| | | Light green sheared fragments in a green chloritic carbonated matrix, trace pyrite | | | | | | | | | | |
| | | Sheared at 55° | | | | | | | | | | |
| | | 51.48-51.53 | | | | | | | | | | |
| | | White quartz carbonate veining at 60° | | | | | | | | | | |
| | | 52.47, 1 cm quartz carbonate vein at 55° | | | | | | | | | | |
| | | 53.32, 1 cm quartz carbonate vein at 55° | | | | | | | | | | |
| | | 56.75-56.93 | | | | | | | | | | |
| | | 15% disseminated calcite rhombs | | | | | | | | | | |
| 56.93 | 58.77 | Felsic Tuff | | | | | | | | | | |
| | | Very fine grained, dark grey to black carbonaceous | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | argillaceous tuff, soft | | | | | | | | | | |
| | | 1% pyrite | | | | | | | | | | |
| | | 57.47, 56.64, 57.77, 57.87 | | | | | | | | | | |
| | | 1 cm white quartz veins at 55°, trace pyrite | | | | | | | | | | |
| | | 58.67-58.77 | | | | | | | | | | |
| | | 25%, 1 cm quartz veining, 1% pyrite | | | | | | | | | | |
| 58.77 | 65.30 | Sericite Schist | | | | | | | | | | |
| | | Light grey sheared, carbonated sericitic | | | | | | | | | | |
| | | Sheared at 55°, trace pyrite | | | | | | | | | | |
| | | Occasional 1-8 cm quartz veining | | | | | | | | | | |
| | | 59.23, 2 cm quartz carbonate vein at 55-60° | | | | | | | | | | |
| | | 59.52, 1 cm quartz carbonate vein at 55-60° | | | | | | | | | | |
| | | 62.70-64.60 | | | | | | | | | | |
| | | 1% pyrite | | | | | | | | | | |
| | | 68.25, 3 cm crosscutting grey quartz vein at 40° | | | | | | | | | | |
| | | 1% pyrite | | | | | | | | | | |
| | | 63.55, 3 cm grey quartz vein at 90° | | | | | | | | | | |
| | | 63.70, 2 cm quartz carbonate vein at 55° | | | | | | | | | | |
| | | 63.95, 0.5 cm grey quartz vein at 90° | | | | | | | | | | |
| | | 64.36-64.44 | | | | | | | | | | |
| | | 8 cm, white, cross cutting quartz vein at 50° | | | | | | | | | | |
| | | with traces of tourmaline, pyrite and chalco- | | | | | | | | | | |
| | | pyrite | | | | | | | | | | |
| | | 64.98, 1 cm grey quartz vein at 85° | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 65.30 | 73.15 | Chlorite Sericite Schist | | | | | | | | | | | |
| | | Sheared at 55-65° | | | | | | | | | | | |
| | | Chloritic Sericitic | | | | | | | | | | | |
| | | 69.25, 3 cm quartz vein at 45° | | | | | | | | | | | |
| | | 69.50, 2 cm quartz vein at 60° | | | | | | | | | | | |
| | | 69.95, 2.5 cm quartz vein at 65° | | | | | | | | | | | |
| | | 71.65, 1 cm quartz vein at 45°, tourmaline | | | | | | | | | | | |
| | | 74.65, 3 cm quartz vein at 60°, tourmaline | | | | | | | | | | | |
| | | 76.83, 1 cm quartz vein at 85° | | | | | | | | | | | |
| | | 77.08, 2 cm quartz vein at 45° | | | | | | | | | | | |
| | | 77.70 - 78.0, 2 cm fault gouge | | | | | | | | | | | |
| | | 78.15, 3 cm grey white quartz vein at 90° | | | | | | | | | | | |
| | | 79.25, 2.5 cm grey white quartz vein at 70° | | | | | | | | | | | |
| | | 80.3, 2 cm quartz vein at 70° | | | | | | | | | | | |
| | | 80.70-81.05 | | | | | | | | | | | |
| | | 25% grey to white quartz veining, trace pyrite | | | | | | | | | | | |
| | | 81.75-82.0 | | | | | | | | | | | |
| | | 10% irregular quartz veining | | | | | | | | | | | |
| | | 80.0, shearing at 70° | | | | | | | | | | | |
| | | 80.25-89.60 | | | | | | | | | | | |
| | | Irregular, contorted, kink banding at 40-70° | | | | | | | | | | | |
| | | 85.45-85.55 | | | | | | | | | | | |
| | | White quartz vein at 60° | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|--------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 73.15 | 103.20 | Chlorite to Sericite Schist | | | | | | | | | | | |
| | | Grey to green, soft, sheared chloritic, sericitic, | | | | | | | | | | | |
| | | felsic to mafic tuff, trace pyrite | | | | | | | | | | | |
| | | 86.95, 1 cm quartz vein at 80° | | | | | | | | | | | |
| | | 86.2-86.30 | | | | | | | | | | | |
| | | 30% white quartz stringers | | | | | | | | | | | |
| | | 91.42-91.50 | | | | | | | | | | | |
| | | Vuggy quartz carbonate veining at 50° | | | | | | | | | | | |
| | | 94.9, 1 cm quartz vein at 50° | | | | | | | | | | | |
| | | 95.22, 1 cm quartz vein at 80° | | | | | | | | | | | |
| | | 96.45-96.62 | | | | | | | | | | | |
| | | Irregular quartz veining | | | | | | | | | | | |
| | | 93.0, shearing at 53° | | | | | | | | | | | |
| | | 97.87, 1cm quartz vein at 45° | | | | | | | | | | | |
| | | 98.32, 1 cm quartz vein at 80° | | | | | | | | | | | |
| | | 99.28, 2 cm quartz vein at 45° | | | | | | | | | | | |
| | | 99.55, 4 cm quartz vein at 55° | | | | | | | | | | | |
| | | 99.72, 2 cm quartz vein at 60° | | | | | | | | | | | |
| | | 99.95, 2 cm quartz vein at 45° | | | | | | | | | | | |
| | | 100.45-100.55 | | | | | | | | | | | |
| | | White quartz vein at 55° | | | | | | | | | | | |
| | | 103.15, 4 cm quartz vein at 55° | | | | | | | | | | | |
| 103.2 | End | Sericitic Schist | | | | | | | | | | | |
| | | Grey to light grey, talc, sericite fine grained | | | | | | | | | | | |
| | | soft | | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
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 DIAMOND DRILL RECORD

LOCATION: 1200W, 020S

HOLE No.: 2
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AZIMUTH : 326°
 DIP : -50° LENGTH : 108.8m, 357' ELEVATION: PROPERTY: Allerston Option, Bristol Twp.
 STARTED: February 6, 1984 CORE SIZE: BQ DATE LOGGED: February 10/84 CLAIM No.: P451543
 COMPLETED: February 9, 1984 DIP TESTS: 46m: -46° SECTION :
 PURPOSE: To Test IP Anomaly 106m: -38° LOGGED BY: W. Benham *W. Benham*

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | | | | | | | |
| 0 | 35.30 | Overburden | | | | | | | | | | | | | | | | | |
| 35.30 | 46.40 | Quartz Porphyry | | | | | | | | | | | | | | | | | |
| | | Dark green, green, light grey, white to brown, fine grained, sheared at 50° | | | | | | | | | | | | | | | | | |
| | | 0.5-2 mm subrounded cracked quartz phenocrysts | | | | | | | | | | | | | | | | | |
| | | Few 0.5 cm quartz carbonate veins at 50° | | | | | | | | | | | | | | | | | |
| | | 42.43, 0.5 cm quartz vein at 50° | | | | | | | | | | | | | | | | | |
| | | 43.40, 2 cm vuggy rusty quartz vein at 60° | | | | | | | | | | | | | | | | | |
| | | with chlorite blebs | | | | | | | | | | | | | | | | | |
| | | 45.57 0.5 cm quartz vein at 50° | | | | | | | | | | | | | | | | | |
| 46.40 | 46.90 | Felsic Tuff | | | | | | | | | | | | | | | | | |
| | | Very fine grained, rusty brown carbonate alteration well laminated at 50° | | | | | | | | | | | | | | | | | |
| | | Trace pyrite cubes | | | | | | | | | | | | | | | | | |
| 46.90 | 54.20 | Quartz Porphyry | | | | | | | | | | | | | | | | | |
| | | Same as 35.30-46.40 | | | | | | | | | | | | | | | | | |
| | | 53.30-53.45 carbonate, | | | | | | | | | | | | | | | | | |
| | | Brown rusty fine grained tuff sheared at 60° | | | | | | | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 53.45-54.20 | | | | | | | | | | |
| | | Rusty, fractured quartz porphyry | | | | | | | | | | |
| 54.20 | 61.50 | Felsic Tuff | | | | | | | | | | |
| | | Fine grained, massive to sheared near contact at | | | | | | | | | | |
| | | 20-30°, dacitic | | | | | | | | | | |
| | | White, grey to dark grey quartz veining with darker | | | | | | | | | | |
| | | contacts, pyrite along contacts and disseminated in | | | | | | | | | | |
| | | wallrocks. Trace chalcopyrite pyrite, occasionally | | | | | | | | | | |
| | | arsenopyrite in quartz veins | | | | | | | | | | |
| | | 54.20-54.30 | | | | | | | | | | |
| | | grey fractured rusty quartz vein at 30°, trace | | | | | | | | | | |
| | | pyrite | | | | | | | | | | |
| | | 55.0, 1 cm rusty fractured quartz vein at 40° | | | | | | | | | | |
| | | 56.15, 3 cm grey white fractured quartz vein at 60° | | | | | | | | | | |
| | | 56.9 3 cm grey quartz vein at 40°, trace pyrite | | | | | | | | | | |
| | | 57.7, 6 cm grey quartz vein at 30° trace pyrite along | | | | | | | | | | |
| | | contacts | | | | | | | | | | |
| | | 57.9, 2 cm white quartz at 30°, trace pyrite | | | | | | | | | | |
| | | 59.75-59.95, 1.5 cm white light grey quartz vein at | | | | | | | | | | |
| | | 20° pyrite along contacts | | | | | | | | | | |
| | | 60.0, 5cm white fractured quartz vein at 45°, pyrite | | | | | | | | | | |
| | | along contacts | | | | | | | | | | |
| | | 60.14, 1 cm grey fractured quartz vein at 80° | | | | | | | | | | |
| | | 60.20, 0.5 cm grey fractured quartz vein at 20° | | | | | | | | | | |

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DIAMOND DRILL RECORD

HOLE No.: 2

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 60.35-60.65 | | | | | | | | | | | |
| | | Eight 0.2-0.5 cm dark grey quartz veins at 30° | | | | | | | | | | | |
| | | 1% pyrite, trace arsenopyrite | | | | | | | | | | | |
| | | 60.7. 5 cm crosscutting light grey fractured quartz vein at 45° | | | | | | | | | | | |
| | | 60.95 3 cm white grey quartz vein at 45° | | | | | | | | | | | |
| 61.50 | 65.90 | Quartz Porphyry | | | | | | | | | | | |
| | | Light grey, siliceous sericitic, white mica | | | | | | | | | | | |
| | | Up to 10% 0.5-1mm quartz phenocrysts | | | | | | | | | | | |
| | | Kink banding and folding sheared at 20°-30° | | | | | | | | | | | |
| | | 10% grey to white fractured quartz veining | | | | | | | | | | | |
| | | 1% pyrite, locally up to 5% over narrow widths, trace | | | | | | | | | | | |
| | | chalcopyrite | | | | | | | | | | | |
| | | 61.55. 0.5 cm grey quartz vein at 30° | | | | | | | | | | | |
| | | 61.60. 0.5 cm grey quartz vein at 30° | | | | | | | | | | | |
| | | 61.70. 0.5 cm grey quartz vein at 30° | | | | | | | | | | | |
| | | 61.80-62.15, eight 0.1-0.5 cm irregular grey quartz stringers | | | | | | | | | | | |
| | | 62.20. 2 cm fractured grey quartz vein at 25° | | | | | | | | | | | |
| | | 62.30-63.00, Seven 0.1-0.5 grey quartz veins at 20°-40° | | | | | | | | | | | |
| | | 63.20-63.50, Grey white mottled quartz vein, upper contact at 30°, lower contact at 0-20° trace pyrite, pyrite in wallrocks | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 64.10, 2.5 cm grey white quartz vein at 30° | | | | | | | | | | | |
| | | 64.20-64.60, Five 0.3 cm grey quartz veins at 25-30° | | | | | | | | | | | |
| | | 64.62, 4 cm grey white quartz vein at 60°, trace pyrite | | | | | | | | | | | |
| 65.90 | 66.15 | Felsic Tuff Sheared at 30°, dacitic 10% quartz veins at 30° 64.70-66.15, fifteen, 0.1-0.5 cm grey quartz veins at 30°, 2-3% pyrite | | | | | | | | | | | |
| 66.15 | 67.20 | Quartz Porphyry 20% 0.1-1cm grey quartz veins in sheared micaceous quartz porphyry 3-5% disseminated pyrite 66.77, 66.82, 66.85, 0.5-1 cm grey quartz veins at 30° | | | | | | | | | | | |
| 67.20 | 67.90 | Felsic Tuff Sheared at 30° 67.6, 1 cm grey quartz vein at 30° | | | | | | | | | | | |
| 67.90 | 70.50 | Quartz Porphyry Sheared at 25°-30° Sericitic, siliceous, white mica 10-15%, 0.2-1.5 cm grey quartz veining at 25-30° 3-5% fine pyrite cubes | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 68.3, 1 cm quartz vein at 30° | | | | | | | | | | |
| | | 69.35, 1 cm quartz vein at 30° | | | | | | | | | | |
| 70.50 | 79.20 | Felsic Tuff | | | | | | | | | | |
| | | Dacitic, fine grained, massive to sheared at 35°, 1% pyrite | | | | | | | | | | |
| | | 5% dark quartz veins, 0.1 to 4 cm wide | | | | | | | | | | |
| | | 70.65, 1cm dark grey quartz vein at 60°, trace pyrite | | | | | | | | | | |
| | | 70.85, 1 cm white to grey quartz vein at 30° | | | | | | | | | | |
| | | 70.95, 2 cm dark grey fractured quartz vein at 90° | | | | | | | | | | |
| | | 72.05, 3 cm dark grey crosscutting quartz vein at 90° | | | | | | | | | | |
| | | 74.65-74.78 | | | | | | | | | | |
| | | Dark grey fractured irregular quartz vein at 30-40°, trace chalcopyrite | | | | | | | | | | |
| | | 75.20, 1 cm crosscutting quartz vein at 55° | | | | | | | | | | |
| | | 75.60, 0.5-1 cm white grey quartz vein at 20°-30° | | | | | | | | | | |
| | | 77.80, 0.5cm crosscutting quartz vein at 45° with 40% tourmaline | | | | | | | | | | |
| | | 77.90, 2 cm dark quartz vein at 85° | | | | | | | | | | |
| | | 78.60, 2 cm irregular grey quartz vein at 30° with ankerite and 1% pyrite | | | | | | | | | | |
| 79.20 | 81.60 | Quartz Porphyry | | | | | | | | | | |
| | | Light grey, siliceous | | | | | | | | | | |
| | | 10% , 1mm clear quartz phenocrysts in a fine | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | grained siliceous matrix | | | | | | | | | | | |
| | | Upper contact at 30° | | | | | | | | | | | |
| | | Lower contact at 50° | | | | | | | | | | | |
| | | 79.90 1 cm dark quartz vein at 30° | | | | | | | | | | | |
| | | with 10% pyrite | | | | | | | | | | | |
| | | 80.05-80.35 | | | | | | | | | | | |
| | | 80% dark grey to grey quartz veining at 35° , | | | | | | | | | | | |
| | | 1% pyrite | | | | | | | | | | | |
| | | 80.35-81.60 | | | | | | | | | | | |
| | | 15% quartz veining | | | | | | | | | | | |
| | | 80.75-80.8 | | | | | | | | | | | |
| | | grey fractured crosscutting quartz vein at 45-65° | | | | | | | | | | | |
| | | 81.08, 2 cm quartz vein at 40° | | | | | | | | | | | |
| | | 81.55, 3 cm white grey quartz vein at 40° | | | | | | | | | | | |
| 81.60 | 90.80 | Felsic Tuff | | | | | | | | | | | |
| | | Fine grained, green grey, weakly chloritic, sericitic | | | | | | | | | | | |
| | | and foliated at 45° to 30° | | | | | | | | | | | |
| | | 10% white to grey quartz veining | | | | | | | | | | | |
| | | 82.0, 2 cm grey quartz vein at 35° | | | | | | | | | | | |
| | | 82.05, 0.5 cm quartz vein at 20° | | | | | | | | | | | |
| | | 82.10, 2.5 cm " " " 45° | | | | | | | | | | | |
| | | 82.40, 3.0 cm " " " 75° | | | | | | | | | | | |
| | | 82.85, 0.5 cm white " " " 40° | | | | | | | | | | | |
| | | 83.30, 1 cm " " " 20-40° | | | | | | | | | | | |
| | | 83.70, 0.5cm " " " 20-40° | | | | | | | | | | | |

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|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 83.90, 1.5 cm irregular quartz vein at 45° | | | | | | | | | | | |
| | | 84.50, 6.0 cm dark grey fractured quartz vein at 35° | | | | | | | | | | | |
| | | 84.60, 84.68, 84.95, 85.0, 85.1, 85.3, 85.55, 85.85, 86.0, 86.20, 86.30, 86.35, 86.65, 86.95, 87.30, 87.42, 87.55, 87.70, 87.95 | | | | | | | | | | | |
| | | 0.5 to 3.0 cm grey to white quartz veins at 40-45° | | | | | | | | | | | |
| | | 88.3, 4 cm grey quartz vein at 45° | | | | | | | | | | | |
| | | 89.30-89.45 | | | | | | | | | | | |
| | | White quartz vein at 50° | | | | | | | | | | | |
| | | 89.6, 1 cm quartz vein at 50° | | | | | | | | | | | |
| | | 90.2, 3 cm white quartz vein at 45° | | | | | | | | | | | |
| | | 90.6, 2 cm quartz vein at 45° | | | | | | | | | | | |
| 90.80 | 97.80 | Felsic Tuff | | | | | | | | | | | |
| | | Light grey to creamy grey well laminated, sheared at 50° | | | | | | | | | | | |
| | | 90.77, 2 cm quartz vein at 60° | | | | | | | | | | | |
| | | 91.45, 1 cm quartz vein at 50° | | | | | | | | | | | |
| | | 92.15, 2.5 cm quartz vein at 55° | | | | | | | | | | | |
| | | 92.88, 1 cm quartz vein at 50° | | | | | | | | | | | |
| | | 93.22, 1 cm quartz vein at 50° | | | | | | | | | | | |
| | | 93.40, 93.44, 93.53 | | | | | | | | | | | |
| | | 0.5 to 1 cm irregular quartz veins at 35-60° | | | | | | | | | | | |
| | | 93.70, 1 cm grey white quartz vein at 45° | | | | | | | | | | | |
| | | with pyrite along contacts | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No | INTERVAL | | LENGTH | | | | | | |
|----------|-----|---|-----------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 93.85-94.10 | | | | | | | | | | |
| | | Six, 0.2-0.5 cm grey quartz veins at 45° | | | | | | | | | | |
| | | 94.45, 2 cm grey quartz vein at 45°, pyrite along contact | | | | | | | | | | |
| | | 94.70-94.80 | | | | | | | | | | |
| | | Grey white quartz veining at 45°, 1% pyrite | | | | | | | | | | |
| | | 95.60, 3 cm grey white quartz vein at 45° | | | | | | | | | | |
| | | 96.45, 3 cm grey quartz vein at 50° | | | | | | | | | | |
| | | 97.13, 1 cm grey quartz vein at 40° | | | | | | | | | | |
| | | 91.80-97.90 | | | | | | | | | | |
| | | 2% pyrite, blebs to 3mm cubes and octahedron crystals | | | | | | | | | | |
| 97.90 | End | Felsic Tuff | | | | | | | | | | |
| | | 97.90-101.7 | | | | | | | | | | |
| | | Creamy grey, < 1% pyrite | | | | | | | | | | |
| | | 101.7-102.1 | | | | | | | | | | |
| | | Chloritic, 2% pyrite | | | | | | | | | | |
| | | 102.1-104.0 | | | | | | | | | | |
| | | < 1% pyrite, sericitic | | | | | | | | | | |
| | | 104.0-105.4 | | | | | | | | | | |
| | | Creamy grey sericitic, sheared at 35° | | | | | | | | | | |
| | | 1%, 1-2mm pyrite cubes | | | | | | | | | | |
| | | 105.4-108.8 | | | | | | | | | | |
| | | Altered sericitic, chloritic, talcose | | | | | | | | | | |
| | | Sheared at 35-60° | | | | | | | | | | |

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| INTERVAL from | to | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|------------------|----|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| | | | | from | to | | | | | | | | |
| | | 98.15-98.90 | | | | | | | | | | | |
| | | 0.5 cm quartz veins at 40-45°, pyrite along contacts | | | | | | | | | | | |
| | | 99.0-99.15 | | | | | | | | | | | |
| | | Grey white quartz vein, contacts ground | | | | | | | | | | | |
| | | 99.20, 4 cm grey fractured quartz vein at 45°, pyrite along contacts | | | | | | | | | | | |
| | | 99.65, 3 cm white grey quartz vein at 40° | | | | | | | | | | | |
| | | 99.9, 6 cm grey white quartz vein at 55° | | | | | | | | | | | |
| | | 100.10-100.25, | | | | | | | | | | | |
| | | Dark grey to grey broken quartz vein at 0-40° | | | | | | | | | | | |
| | | 101.2, 3 cm white grey quartz vein at 45° | | | | | | | | | | | |
| | | 101.35 2.5 cm white grey quartz vein at 45° | | | | | | | | | | | |
| | | 102.8-104.0 | | | | | | | | | | | |
| | | Twelve, 0.5 to 2.0 cm white quartz veins at 25-60° in brecciated sericitic chloritic tuff | | | | | | | | | | | |
| | | 103.7, 2.0 cm grey fractured quartz vein at 25°, trace chalcopyrite | | | | | | | | | | | |
| | | 104.4, 1 cm irregular white quartz vein | | | | | | | | | | | |
| | | 104.7, 2 cm white quartz vein at 45° | | | | | | | | | | | |
| | | 105.25, 1-3 cm white quartz vein at 50° dark contacts | | | | | | | | | | | |
| | | 105.4-108.6 | | | | | | | | | | | |
| | | Twelve 0.2-5 cm irregular quartz veins and fragments | | | | | | | | | | | |

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| | | |
|------------------------------|---------------------------------|--|
| LOCATION: 600W, 100S | | HOLE No.: 3 |
| AZIMUTH: 316° | | PAGE 1 of |
| DIP: -50° | LENGTH: 133.2m, 437 ft. | ELEVATION: PROPERTY: Allerston Option |
| STARTED: February 9, 1984 | CORE SIZE: BQ | DATE LOGGED: Feb. 12, 1984 CLAIM No.: Bristol Twp. |
| COMPLETED: February 11, 1984 | DIP TESTS: 58m: -47° 133m: -37° | SECTION: P525963 |
| PURPOSE: To Test IP Anomaly | | LOGGED BY: W. Benham <i>W. Benham</i> |

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 0 | 22.60 | Overburden | | | | | | | | | | | |
| 22.60 | 25.00 | Sericite Schist | | | | | | | | | | | |
| | | Fine grained, rusty brown, strong carbonate | | | | | | | | | | | |
| | | sericite chlorite schist | | | | | | | | | | | |
| | | Sheared at 10-15° | | | | | | | | | | | |
| | | White to grey quartz carbonate veinlets, trace | | | | | | | | | | | |
| | | tourmaline, pyrite 70% core recovery | | | | | | | | | | | |
| 25.00 | 35.00 | Chlorite Schist | | | | | | | | | | | |
| | | 25.00-29.60 | | | | | | | | | | | |
| | | Dark green soft fault gouge and carbonatized | | | | | | | | | | | |
| | | chloritic schist | | | | | | | | | | | |
| | | Sheared at 40° | | | | | | | | | | | |
| | | 40% recovery | | | | | | | | | | | |
| | | 29.60-31.30 | | | | | | | | | | | |
| | | Green soft, vuggy, carbonate | | | | | | | | | | | |
| | | Sheared at 35-40° | | | | | | | | | | | |
| | | 31.30-35.00 | | | | | | | | | | | |
| | | Sheared at 40°, carbonate | | | | | | | | | | | |
| | | 3% 0.1-3cm white quartz carbonate veining | | | | | | | | | | | |
| | | Trace pyrite, chalcopyrite | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 32.05-32.15 | | | | | | | | | | | |
| | | 40% irregular quartz veining at 35°, 1% pyrite, trace chalcopryrite | | | | | | | | | | | |
| 35.00 | 41.80 | Intermediate to Felsic Dyke | | | | | | | | | | | |
| | | Green grey quartz feldspar in a sericitic, chloritic matrix. Possible volcanic tuff or quartz diorite | | | | | | | | | | | |
| | | Sheared at 40° | | | | | | | | | | | |
| | | 0.5-6 cm white quartz veining with bright emerald green carbonate along vein contacts | | | | | | | | | | | |
| | | Trace pyrite, chalcopryrite | | | | | | | | | | | |
| | | 35.65, 1 cm quartz vein at 65° | | | | | | | | | | | |
| | | 35.86-36.00 | | | | | | | | | | | |
| | | Grey white, white quartz vein at 40° | | | | | | | | | | | |
| | | 37.20, 7 cm white quartz vein at 40-70°, green carbonate and pyrite along contacts | | | | | | | | | | | |
| | | 37.35, 3 cm white quartz vein at 30° with green carbonate and pyrite along contacts | | | | | | | | | | | |
| | | 38.20, 5 cm white quartz vein at 55° with green carbonate and pyrite along contacts | | | | | | | | | | | |
| | | 38.45, 1 cm wavy irregular quartz vein | | | | | | | | | | | |
| | | 41.65-41.80 | | | | | | | | | | | |
| | | White quartz vein at 50° | | | | | | | | | | | |
| | | 2% tourmaline | | | | | | | | | | | |
| 41.80 | 62.50 | Sericite Schist | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|----|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | Creamy brown grey, talc, chlorite sericite, sheared at 35-45° | | | | | | | | | | | |
| | | Weak carbonate alteration | | | | | | | | | | | |
| | | 5% grey to white quartz veining | | | | | | | | | | | |
| | | 0.5-1% pyrite, trace chalcopyrite, tourmaline | | | | | | | | | | | |
| | | 42.25, 1 cm grey quartz vein at 55° | | | | | | | | | | | |
| | | pyrite along contacts | | | | | | | | | | | |
| | | 43.40, two 1 cm grey quartz veins at 55° | | | | | | | | | | | |
| | | 44.85, 1 cm grey irregular quartz vein | | | | | | | | | | | |
| | | 45.75, 1 cm grey quartz vein at 60° | | | | | | | | | | | |
| | | 51.10, 51.17, 51.20, 51.53, | | | | | | | | | | | |
| | | 1 cm white quartz veins at 55-90° | | | | | | | | | | | |
| | | 51.60, 2 cm grey quartz vein at 45° | | | | | | | | | | | |
| | | 51.90-52.00 | | | | | | | | | | | |
| | | 75% grey quartz veining at 40° | | | | | | | | | | | |
| | | 55.20-55.30 | | | | | | | | | | | |
| | | Grey white fractured quartz vein, trace pyrite, tourmaline | | | | | | | | | | | |
| | | 55.45, 3 cm quartz vein, pyrite, tourmaline | | | | | | | | | | | |
| | | 55.90-56.10 | | | | | | | | | | | |
| | | Grey white quartz vein at 45°, trace pyrite, 2% tourmaline | | | | | | | | | | | |
| | | 57.0-57.1 | | | | | | | | | | | |
| | | White quartz vein with tourmaline | | | | | | | | | | | |
| | | 58.70-58.92 | | | | | | | | | | | |
| | | 70% grey white quartz veining at 45° | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 2% tourmaline | | | | | | | | | | | |
| | | 59.30, 2.5 cm white quartz vein at 35° | | | | | | | | | | | |
| | | 59.90, 3 cm grey quartz vein at 60°, tourmaline | | | | | | | | | | | |
| | | 61.10-62.5 80% recovery | | | | | | | | | | | |
| 62.50 | 75.00 | Talc Chlorite Sericite Schist | | | | | | | | | | | |
| | | Grey, creamy brown, green | | | | | | | | | | | |
| | | Sheared at 45-50° | | | | | | | | | | | |
| | | Weak carbonate alteration | | | | | | | | | | | |
| | | 5% white grey quartz stringers | | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | | |
| | | 70.22-70.27 | | | | | | | | | | | |
| | | 0.5-2.5 white quartz vein at 90°, | | | | | | | | | | | |
| | | 0° and 30° with 5% massive tourmaline blebs | | | | | | | | | | | |
| | | 74.95, 3 cm white quartz vein at 45°, 2% tourmaline | | | | | | | | | | | |
| 75.00 | 83.80 | Talc Sericite Chlorite Schist | | | | | | | | | | | |
| | | Light brown, green grey | | | | | | | | | | | |
| | | Strong to weak carbonate | | | | | | | | | | | |
| | | Sheared at 45-50° | | | | | | | | | | | |
| | | 3-5% carbonate veining | | | | | | | | | | | |
| | | 76.30-78.60 | | | | | | | | | | | |
| | | Strongly carbonate | | | | | | | | | | | |
| | | 81.55, 4 cm white crosscutting quartz vein at 50°, | | | | | | | | | | | |
| | | 5% tourmaline | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 81.20-81.80 | | | | | | | | | | | |
| | | Finely laminated at 45° | | | | | | | | | | | |
| | | Fine grained, sericitic | | | | | | | | | | | |
| | | 2% pyrite | | | | | | | | | | | |
| 83.80 | 85.30 | Sericite Schist | | | | | | | | | | | |
| | | Very fine grained, light brown | | | | | | | | | | | |
| | | Sheared at 55°, strong carbonate | | | | | | | | | | | |
| | | 1-2% fine pyrite, trace tourmaline | | | | | | | | | | | |
| | | 15% quartz, quartz carbonate threads and knots | | | | | | | | | | | |
| 85.30 | 86.50 | Chlorite Schist | | | | | | | | | | | |
| | | Chloritic, highly contorted, strong carbonate, | | | | | | | | | | | |
| | | trace pyrite | | | | | | | | | | | |
| | | 10% white irregular quartz carbonate veining | | | | | | | | | | | |
| | | 85.85, 6 cm white opaque quartz vein at 45° with | | | | | | | | | | | |
| | | two black fractures | | | | | | | | | | | |
| 86.50 | 95.00 | Chlorite Schist | | | | | | | | | | | |
| | | Fine grained, dark green | | | | | | | | | | | |
| | | Strongly carbonatized | | | | | | | | | | | |
| | | sheared at 40-65°, contorted, wavy banding, kink folds | | | | | | | | | | | |
| | | 5-10% opaque irregular white quartz veining | | | | | | | | | | | |
| | | 1% grey white early quartz veining | | | | | | | | | | | |
| | | 92.3-95.0 | | | | | | | | | | | |
| | | brecciated, 20% white quartz | | | | | | | | | | | |

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|--------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 95.00 | 99.90 | Sericite Schist | | | | | | | | | | | |
| | | Fine grained, light grey creamy brown, sheared at 45-60° | | | | | | | | | | | |
| | | 10% grey and white quartz threads, veins and knots | | | | | | | | | | | |
| | | strong carbonate | | | | | | | | | | | |
| | | 1% pyrite and flecks of chalcopyrite on shear planes | | | | | | | | | | | |
| 99.90 | 103.10 | Talc Sericite Chlorite Schist | | | | | | | | | | | |
| | | Grey, grey green | | | | | | | | | | | |
| | | Sheared at 60° | | | | | | | | | | | |
| | | 10% grey white 0.1-2 cm quartz veining, trace pyrite, | | | | | | | | | | | |
| | | chalcopyrite | | | | | | | | | | | |
| | | 102.95-103.05 | | | | | | | | | | | |
| | | White quartz carbonate veining at 45-60°, 5% | | | | | | | | | | | |
| | | tourmaline, trace pyrite, chalcopyrite, green | | | | | | | | | | | |
| | | carbonate | | | | | | | | | | | |
| 103.10 | 105.40 | Chlorite Schist | | | | | | | | | | | |
| | | Green, more massive | | | | | | | | | | | |
| | | 3% quartz veining | | | | | | | | | | | |
| | | trace pyrite, chalcopyrite | | | | | | | | | | | |
| | | 104.25 3 cm white quartz vein at 60° with tourmaline | | | | | | | | | | | |
| 105.40 | 108.10 | Chlorite Schist | | | | | | | | | | | |
| | | Sheared at 60°, moderate carbonate | | | | | | | | | | | |
| | | Trace chalcopyrite, pyrite | | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
~~RIOCANEX INC.~~

DIAMOND DRILL RECORD

HOLE No. : 3

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|--------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 108.10 | 111.80 | Sericite Schist | | | | | | | | | | | |
| | | Sheared at 60-65° strong carbonate | | | | | | | | | | | |
| | | Narrow more chloritic sections | | | | | | | | | | | |
| | | Trace pyrite, chalcopyrite | | | | | | | | | | | |
| | | 108.85, 1 cm grey white cross cutting quartz vein | | | | | | | | | | | |
| | | at 70° with trace pyrite, chalcopyrite, tourmaline | | | | | | | | | | | |
| | | 108.83-108.93 | | | | | | | | | | | |
| | | 5% disseminated 1-3mm pyrite cubes | | | | | | | | | | | |
| | | 109.40, 2 cm white cross cutting quartz vein at 70° | | | | | | | | | | | |
| | | trace pyrite chalcopyrite, tourmaline | | | | | | | | | | | |
| | | 109.55, 2.5 cm quartz vein at 70°, | | | | | | | | | | | |
| | | ankerite and green carbonate chalcopyrite, pyrite | | | | | | | | | | | |
| | | arsenopyrite | | | | | | | | | | | |
| 111.80 | 127.70 | Chlorite Sericite Talc Schist | | | | | | | | | | | |
| | | Sheared at 65-70°, strong carbonate | | | | | | | | | | | |
| | | 5-10%, 1 x 4mm dark grey | | | | | | | | | | | |
| | | soft shards in fine grained, grey felsic matrix | | | | | | | | | | | |
| | | Locally contorted, trace chalcopyrite, pyrite on | | | | | | | | | | | |
| | | shear planes | | | | | | | | | | | |
| | | 3% white grey quartz veining | | | | | | | | | | | |
| | | 114.80-115.0 | | | | | | | | | | | |
| | | 1.5 cm white crosscutting quartz vein at 15°, | | | | | | | | | | | |
| | | trace pyrite, tourmaline | | | | | | | | | | | |
| | | 114.55 | | | | | | | | | | | |
| | | 1 cm white quartz vein at 70°, 2% tourmaline | | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
RIOCANEX INC.
 DIAMOND DRILL RECORD

LOCATION: 600W 300N

HOLE No.: 4

PAGE 1 of

AZIMUTH : 326°

DIP : -50°

LENGTH : 181.36m 595 ft.

ELEVATION:

PROPERTY: Allerston Option, Bristol Twp.

STARTED: February 14, 1984

CORE SIZE: BQ

DATE LOGGED: February 19, 1984

CLAIM No.: P479503

COMPLETED: February 18, 1984

DIP TESTS: 61m: -48° 174m: -18°

SECTION :

PURPOSE: To Test IP Anomaly

122m: -29°

LOGGED BY: W. Benham *W. Benham*

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | | | | |
| 0 | 47.00 | Overburden | | | | | | | | | | | | | | |
| 47.00 | 58.85 | Quartz Porphyritic Rhyolite | | | | | | | | | | | | | | |
| | | 47.0-49.0 | | | | | | | | | | | | | | |
| | | Rusty brown, weathered | | | | | | | | | | | | | | |
| | | 75% core recovery | | | | | | | | | | | | | | |
| | | 49.0-58.85 | | | | | | | | | | | | | | |
| | | Dark grey green | | | | | | | | | | | | | | |
| | | 2-3% oval quartz phenocrysts in a fine grained | | | | | | | | | | | | | | |
| | | sheared moderately hard matrix | | | | | | | | | | | | | | |
| | | Sheared at 45°, banded tuffaceous? | | | | | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | | | | | |
| | | White carbonate flecks and rhombs | | | | | | | | | | | | | | |
| | | 53.9, 1 cm vuggy quartz vein at 40° | | | | | | | | | | | | | | |
| | | 57.8, 3 cm quartz vein at 45° | | | | | | | | | | | | | | |
| 58.85 | 64.80 | Felsic Fragmental | | | | | | | | | | | | | | |
| | | Light brown grey stretched to angular siliceous | | | | | | | | | | | | | | |
| | | fragments in a grey green sheared dacitic chloritic | | | | | | | | | | | | | | |
| | | matrix. | | | | | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
~~RIOGANEX~~ INC.
 DIAMOND DRILL RECORD

HOLE No. : 4
 PAGE 2 of

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | | | |
| 64.80 | 67.50 | Quartz Porphyritic Tuff | | | | | | | | | | | | | |
| | | Well banded at 40-45° | | | | | | | | | | | | | |
| | | 1-2mm grey quartz phenocrysts in a green grey light brown matrix, 0.5% 1-3mm pyrite blebs | | | | | | | | | | | | | |
| 67.50 | 79.00 | Quartz Porphyritic Rhyolite | | | | | | | | | | | | | |
| | | Very fine grained, grey, light grey siliceous weakly sheared at 45-50° to massive, yellow sericitic shear planes and fractures | | | | | | | | | | | | | |
| | | 3-10%, 0.5-1mm clear quartz phenocrysts | | | | | | | | | | | | | |
| | | 3% white quartz carbonate flecks and veining, trace pyrite | | | | | | | | | | | | | |
| | | 71.65, 4 cm white quartz carbonate vein at 85° | | | | | | | | | | | | | |
| | | 73.97, 4 cm white quartz carbonate vein at 75° | | | | | | | | | | | | | |
| | | 74.45, 8 cm white quartz carbonate vein at 90° | | | | | | | | | | | | | |
| | | 75.25, 1 cm white quartz carbonate vein at 50° | | | | | | | | | | | | | |
| | | 75.90, 12 cm white quartz vein, crosscutting at 30° | | | | | | | | | | | | | |
| | | trace sphalerite | | | | | | | | | | | | | |
| | | 76.0, 2.5 cm grey crosscutting quartz vein at 30° | | | | | | | | | | | | | |
| | | 78.1, 5.0 quartz vein at 90° | | | | | | | | | | | | | |
| 79.00 | 90.40 | Quartz Feldspar Porphyritic Tuff | | | | | | | | | | | | | |
| | | 79.0-83.2 | | | | | | | | | | | | | |
| | | Green grey, sheared at 50°, tuffaceous? | | | | | | | | | | | | | |
| | | 3% 1-3mm oval grey clear quartz phenocrysts | | | | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
~~**RIOCANEX INC.**~~
DIAMOND DRILL RECORD

HOLE No. : 4
PAGE 3 of

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 5-20% .2-1mm white feldspar phenocrysts | | | | | | | | | | | |
| | | 83.2- 90.4 | | | | | | | | | | | |
| | | Light grey, yellow green, sericitic, banded at 50° | | | | | | | | | | | |
| | | 87.35, 12 cm white quartz vein at 55° | | | | | | | | | | | |
| | | 87.6 , 5 cm grey white quartz vein at 65° | | | | | | | | | | | |
| | | 87.8, 3 cm grey quartz feldspar vein at 70° | | | | | | | | | | | |
| | | 89.4, 10 cm rusty fractured quartz vein at 40° | | | | | | | | | | | |
| | | crosscutting, trace pyrite, sphalerite, galena | | | | | | | | | | | |
| | | 89.65-89.9 | | | | | | | | | | | |
| | | Rusty fractures and shear planes trace pyrite, minor quartz | | | | | | | | | | | |
| | | 89.55, 1 cm grey irregular quartz vein at 90° | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 90.40 | 94.70 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Yellow green, more massive | | | | | | | | | | | |
| | | 3% 1-2mm quartz phenocrysts | | | | | | | | | | | |
| | | 5% white 0.5mm feldspar phenocrysts in sericitic, siliceous fine grained matrix. Trace pyrite | | | | | | | | | | | |
| | | 90.4-90.7 | | | | | | | | | | | |
| | | White quartz vein at 45°, trace pyrite | | | | | | | | | | | |
| | | 92.5, 1 cm grey quartz vein at 60° | | | | | | | | | | | |
| | | 92.78, 2 cm quartz vein at 45° | | | | | | | | | | | |
| | | 93.1, 2 cm white quartz vein at 40° | | | | | | | | | | | |
| | | 93.2-93.45 | | | | | | | | | | | |
| | | Irregular white quartz vein at 45°, trace pyrite | | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
~~RIOGANEX~~ INC.

DIAMOND DRILL RECORD

HOLE No. : 4
 PAGE 4 of

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|--------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 93.56-93.67 | | | | | | | | | | |
| | | Irregular white quartz vein at 60°, trace pyrite, sphalerite, galena | | | | | | | | | | |
| | | 93.75, 1 cm grey white quartz vein at 55°, trace sphalerite, pyrite chalcopyrite in wall rocks | | | | | | | | | | |
| | | 94.5, 6 cm grey white quartz vein at 55° | | | | | | | | | | |
| | | 94.2-94.7 80% white quartz veining at 45°, trace pyrite | | | | | | | | | | |
| 94.70 | 105.05 | Quartz Feldspar Porphyritic Tuff Banded at 55-60° 10-15%, 0.1-1mm white feldspar, 20% 1-2mm quartz phenocrysts in a banded grey to yellow green sericitic chloritic matrix Tuff or flow banded rhyolite | | | | | | | | | | |
| | | 96.9-97.3 Chloritic, fractured | | | | | | | | | | |
| | | 97.0, 1mm pyritic stringer | | | | | | | | | | |
| | | 103-105, 2-30 cm wide bleached spherulitic sections with grey irregular quartz veining | | | | | | | | | | |
| 105.05 | 117.50 | Quartz Porphyritic Rhyolite Very fine grained, massive to weakly foliated at 65° Grey to yellow green, spherulitic, fragmental | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
~~RIOCANEX~~ INC.

DIAMOND DRILL RECORD

HOLE No. : 4

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|--------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 105.22, 3 cm white quartz vein at 70° | | | | | | | | | | |
| | | 105.32, 3 cm white quartz vein at 40° | | | | | | | | | | |
| | | 116.8, 10 cm white quartz vein at 65° | | | | | | | | | | |
| | | 108.1-108.3, 108.4-108.45, 109.80-109.85, | | | | | | | | | | |
| | | 110.40-110.45, 110.0-110.25, 110.3-110.35 | | | | | | | | | | |
| | | Bleached, white grey sections with quartz veining | | | | | | | | | | |
| | | trace pyrite cubes blue white distinct | | | | | | | | | | |
| | | spherulitics | | | | | | | | | | |
| 117.5 | 125.85 | Quartz Porphyritic Rhyolite | | | | | | | | | | |
| | | Grey green, more chloritic | | | | | | | | | | |
| | | Sheared at 65°, weak carbonate alteration | | | | | | | | | | |
| | | Fragmented, blue white spherulitic | | | | | | | | | | |
| | | Bleached white distinct spherulitic bands | | | | | | | | | | |
| | | Trace pyrite cubes | | | | | | | | | | |
| | | 124.25-124.4 | | | | | | | | | | |
| | | White quartz vein, half core | | | | | | | | | | |
| | | 125.0-125.5 | | | | | | | | | | |
| | | Brecciated by quartz veining | | | | | | | | | | |
| | | 15% 0.5-2 cm black tourmaline veins with 2% pyrite | | | | | | | | | | |
| 125.85 | 130.55 | Quartz Porphyritic Tuff | | | | | | | | | | |
| | | Finely banded at 70° | | | | | | | | | | |
| | | Locally crenulated grey and yellow green bands | | | | | | | | | | |
| | | 1mm wide | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
~~RIOCANEX~~ INC.
DIAMOND DRILL RECORD

HOLE No. : 4
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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|--------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 128.6-130.3 | | | | | | | | | | |
| | | Fine grained disseminated tourmaline bands, trace pyrite | | | | | | | | | | |
| 130.55 | 140.50 | Quartz Porphyritic Rhyolite | | | | | | | | | | |
| | | Very fine grained, very siliceous | | | | | | | | | | |
| | | Massive grey with yellow fractures | | | | | | | | | | |
| | | 0.5-2mm dark grey oval clear quartz phenocrysts | | | | | | | | | | |
| | | 132.13-132.50 | | | | | | | | | | |
| | | Brecciated white grey quartz veining, dark chlorite band carbonate filled fractures | | | | | | | | | | |
| | | Trace sphalerite, pyrite | | | | | | | | | | |
| | | 133.13-132.3 | | | | | | | | | | |
| | | Brecciated grey white quartz veining, trace pyrite | | | | | | | | | | |
| 140.50 | 157.00 | Quartz Porphyritic Tuff | | | | | | | | | | |
| | | Yellow grey, fine grained, sericitic, siliceous | | | | | | | | | | |
| | | 0.5-1mm quartz phenocrysts | | | | | | | | | | |
| | | Banded at 65-70° | | | | | | | | | | |
| | | More chloritic with depth | | | | | | | | | | |
| | | 146.7-148.4 | | | | | | | | | | |
| | | Grey quartz rich, trace pyrite; sphalerite, soft sericitic shear planes | | | | | | | | | | |
| | | 150.0-150.2, 2% pyrite | | | | | | | | | | |

RIO ALGOM EXPLORATION INC.
~~RIOCANEX INC.~~

DIAMOND DRILL RECORD

HOLE No. : 4

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|--------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 150.35-150.5 | | | | | | | | | | | |
| | | Irregular quartz veining, trace pyrite | | | | | | | | | | | |
| 157.00 | 169.77 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Very fine grained, bleached, white grey, green grey, | | | | | | | | | | | |
| | | 20% 1-5mm oval grey quartz phenocrysts | | | | | | | | | | | |
| | | 1-10 cm wide dark green chloritic bands, more | | | | | | | | | | | |
| | | chloritic with depth | | | | | | | | | | | |
| | | 161.95, 7 cm grey white quartz vein at 90° | | | | | | | | | | | |
| | | 162.3-165.4 | | | | | | | | | | | |
| | | Dark grey green chloritic, trace pyrite cubes | | | | | | | | | | | |
| | | 166.7-166.73 | | | | | | | | | | | |
| | | Fault gouge, crushed rock | | | | | | | | | | | |
| | | Fills hole when rods pulled | | | | | | | | | | | |
| 169.77 | 181.36 | Quartz Porphyritic Tuff | | | | | | | | | | | |
| | | Light grey, grey, green siliceous | | | | | | | | | | | |
| | | 0.5-5 mm grey quartz phenocrysts | | | | | | | | | | | |
| | | Finely banded at 70-75° | | | | | | | | | | | |
| | | Chloritic shear planes | | | | | | | | | | | |
| | | Trace pyrite cubes | | | | | | | | | | | |
| | | Fine disseminated black tourmaline bands | | | | | | | | | | | |
| | | 169.77-170.55 | | | | | | | | | | | |
| | | Fault gouge and broken core | | | | | | | | | | | |
| | | 70% core recovery | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

LOCATION: 1000W, 550N

HOLE No.: 5

PAGE 1 of

AZIMUTH : 146°

DIP : -50°

LENGTH : 119.18m, 391 ft. ELEVATION:

PROPERTY: Allerston Option, Bristol Twp.

STARTED: February 19, 1984

CORE SIZE: BO

DATE LOGGED: February 21/84

CLAIM No.: P454000

COMPLETED: February 21, 1984

DIP TESTS: 72m: -49° 116m: -43°

SECTION :

PURPOSE: To test IP Anomaly

LOGGED BY: W. Benham *[Signature]*

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | | |
| 0 | 71.32 | Overburden | | | | | | | | | | | | |
| 71.32 | 78.90 | Basalt | | | | | | | | | | | | |
| | | Very fine grained, green, dark green | | | | | | | | | | | | |
| | | Weakly sheared at 52°, moderate carbonate alteration | | | | | | | | | | | | |
| | | White quartz carbonate stringers and irregular patches | | | | | | | | | | | | |
| | | 75.9, 1 cm quartz carbonate sulphide vein at 45° | | | | | | | | | | | | |
| | | 80% very fine grained pyrite | | | | | | | | | | | | |
| 78.9 | 87.2 | Greywacke | | | | | | | | | | | | |
| | | Fine-medium grained green grey | | | | | | | | | | | | |
| | | Sediment or mafic tuff | | | | | | | | | | | | |
| | | Bleached sections, moderate carbonate alteration | | | | | | | | | | | | |
| | | 2-3% calcite ovals, 1-5mm | | | | | | | | | | | | |
| | | Trace pyrite cubes | | | | | | | | | | | | |
| | | Sheared at 45-55° | | | | | | | | | | | | |
| | | 80.17-80.40 | | | | | | | | | | | | |
| | | Brown, carbonate, trace pyrite | | | | | | | | | | | | |
| | | 82.1 1 cm brown carbonate band at 45° | | | | | | | | | | | | |
| | | 82.1-82.6 | | | | | | | | | | | | |
| | | White bleached section | | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No.: 5

PAGE 2 of

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|--------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 86.1-86.4 | | | | | | | | | | | |
| | | 40% disseminated brown carbonate | | | | | | | | | | | |
| 87.20 | 101.40 | Basalt | | | | | | | | | | | |
| | | 87.20-88.2 | | | | | | | | | | | |
| | | Dark green, chloritic, fine grained, sheared at 45° | | | | | | | | | | | |
| | | 5% pyrite | | | | | | | | | | | |
| | | 0.1-2.5 cm grey quartz carbonate veins at 45° | | | | | | | | | | | |
| | | with 15% fine grained dark pyrite non magnetic | | | | | | | | | | | |
| | | 88.2-101.4 | | | | | | | | | | | |
| | | Grey green to light grey green | | | | | | | | | | | |
| | | Sheared at 45°, locally 70° | | | | | | | | | | | |
| | | Moderate carbonate alteration | | | | | | | | | | | |
| | | 0.1-3 cm quartz carbonate veins at 45° with | | | | | | | | | | | |
| | | 40% fine grained dark framboidal pyrite | | | | | | | | | | | |
| | | 0.5% black tourmaline crystals | | | | | | | | | | | |
| | | 88.2-93.7 | | | | | | | | | | | |
| | | 3% sulphides | | | | | | | | | | | |
| | | 93.7-101.4 | | | | | | | | | | | |
| | | 1% sulphides | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 5

PAGE 3 of

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-----|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 101.40 | End | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Grey, grey green siliceous, chloritic | | | | | | | | | | | |
| | | 3-5% grey clear oval 1-3mm | | | | | | | | | | | |
| | | quartz phenocrysts | | | | | | | | | | | |
| | | 101.4-104.3 | | | | | | | | | | | |
| | | Sheared at 45°, trace pyrite | | | | | | | | | | | |
| | | 104.3-105.3 | | | | | | | | | | | |
| | | 0.5 cm grey quartz veins at 10° | | | | | | | | | | | |
| | | white bleached sections | | | | | | | | | | | |
| | | Sheared at 45° | | | | | | | | | | | |
| | | 105.3-106.75 | | | | | | | | | | | |
| | | Chloritic, dark green narrow white carbonate | | | | | | | | | | | |
| | | veining | | | | | | | | | | | |
| | | Wavy shearing at 0° | | | | | | | | | | | |
| | | 106.75-109.90 | | | | | | | | | | | |
| | | Chloritic, sheared at 35° | | | | | | | | | | | |
| | | trace chalcopyrite, pyrite | | | | | | | | | | | |
| | | 109.90-119.18 | | | | | | | | | | | |
| | | Grey to green grey, siliceous | | | | | | | | | | | |
| | | 5%, 0.2-2mm oval dark grey quartz phenocryst | | | | | | | | | | | |
| | | Sheared at 45° | | | | | | | | | | | |
| | | Locally more chloritic, trace pyrite | | | | | | | | | | | |
| | | 115.3-116.05 | | | | | | | | | | | |
| | | 5% orange brown carbonate, stringers and | | | | | | | | | | | |
| | | disseminated | | | | | | | | | | | |
| | | 119.18 | | | | | | | | | | | |
| | | End of Hole | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

LOCATION: 200W 475N

HOLE No.: 6
PAGE 1 of

AZIMUTH : 326°
 DIP : -50° LENGTH : 152.4m 500 ft. ELEVATION: PROPERTY: Allerston Option, Bristol Twp.
 STARTED: February 23, 1984 CORE SIZE: BQ DATE LOGGED: Feb. 25, 1984 CLAIM No.: P 444494 (92.4m) P8480 (60m)
 COMPLETED: February 25, 1984 DIP TESTS: 46m: -48° 122m: -34° SECTION :
 PURPOSE: To Test IP Anomaly 92m: -43° LOGGED BY: W. Benham *W. Benham*

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| 0 | 15.60 | Overburden | | | | | | | | | | |
| 15.60 | 32.00 | Felsic Tuff | | | | | | | | | | |
| | | Brown, white, light grey brown | | | | | | | | | | |
| | | Rusty limonitic weathering | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | |
| | | Sheared at 40-45° | | | | | | | | | | |
| | | 20.4-23.2 | | | | | | | | | | |
| | | 60% recovery | | | | | | | | | | |
| | | 25.2-27.2 | | | | | | | | | | |
| | | 70% recovery | | | | | | | | | | |
| | | 20.5, 10 cm vuggy white quartz vein at 60° | | | | | | | | | | |
| | | Dark brown rusty vugs | | | | | | | | | | |
| | | 20.65, 1.5 cm broken quartz vein | | | | | | | | | | |
| | | 20.85, 1.5 cm vuggy white quartz vein at 50° | | | | | | | | | | |
| | | 23.95, 0.5 cm grey crosscutting quartz vein at 65° | | | | | | | | | | |
| | | 26.10-26.20 | | | | | | | | | | |
| | | 4 cm white grey crosscutting quartz vein at | | | | | | | | | | |
| | | 0-70° | | | | | | | | | | |
| | | 27.0-27.13 | | | | | | | | | | |
| | | White vuggy quartz vein at 65° | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 6

PAGE 2 of

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| 32.00 | 37.40 | Felsic Tuff | | | | | | | | | | |
| | | Fine grained, grey, well laminated at 45° | | | | | | | | | | |
| | | 2%, 1-2mm oval quartz phenocrysts | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | |
| | | 10-80 cm wide rusty brown limonitic stained sections | | | | | | | | | | |
| | | 34.95 | | | | | | | | | | |
| | | 2.5 cm grey quartz vein at 60° | | | | | | | | | | |
| | | 36.60 | | | | | | | | | | |
| | | 3 cm fault gouge | | | | | | | | | | |
| | | 36.60-37.2 | | | | | | | | | | |
| | | Fine-medium grained massive felsic dyke | | | | | | | | | | |
| 37.40 | 40.95 | Quartz Porphyritic Rhyolite | | | | | | | | | | |
| | | 3%, 0.5-5mm oval grey quartz phenocrysts in a fine | | | | | | | | | | |
| | | grained grey siliceous matrix, trace pyrite | | | | | | | | | | |
| | | 39.8-39.9 | | | | | | | | | | |
| | | 5 cm dark grey crosscutting quartz vein at 40° | | | | | | | | | | |
| | | 40.05 | | | | | | | | | | |
| | | 3 cm dark grey quartz vein at 80° | | | | | | | | | | |
| | | 40.65 | | | | | | | | | | |
| | | 3 cm dark grey quartz vein at 70° | | | | | | | | | | |
| 40.95 | 42.40 | Felsic Tuff | | | | | | | | | | |
| | | Grey, weakly chloritic | | | | | | | | | | |
| | | Well laminated at 45° | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 6

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 41.0-42.4 | | | | | | | | | | | |
| | | 1% disseminated pyrite cubes | | | | | | | | | | | |
| | | 41.8 | | | | | | | | | | | |
| | | 3 cm light grey quartz vein at 80° | | | | | | | | | | | |
| | | 42.0 | | | | | | | | | | | |
| | | 4 cm grey quartz vein at 50° | | | | | | | | | | | |
| | | 42.17 | | | | | | | | | | | |
| | | 2 cm grey quartz vein at 60° | | | | | | | | | | | |
| 42.40 | 48.50 | Felsic Tuff | | | | | | | | | | | |
| | | Light grey to rusty brown, limonitic | | | | | | | | | | | |
| | | Sheared at 45-50°, trace pyrite | | | | | | | | | | | |
| | | 48.6 | | | | | | | | | | | |
| | | 5 cm muddy fault gouge | | | | | | | | | | | |
| | | 48.72 | | | | | | | | | | | |
| | | 5 cm muddy fault gouge | | | | | | | | | | | |
| | | 46.6-48.5 | | | | | | | | | | | |
| | | 15% recovery, 1.5m lost core | | | | | | | | | | | |
| | | 44.83 | | | | | | | | | | | |
| | | 3 cm grey quartz vein at 65° with brown vugs | | | | | | | | | | | |
| | | 44.93 | | | | | | | | | | | |
| | | 5 cm grey quartz vein at 55° with brown seams | | | | | | | | | | | |
| | | and vugs | | | | | | | | | | | |
| 48.50 | 53.30 | Rhyolite Breccia | | | | | | | | | | | |
| | | Grey, fine grained | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

| |
|--------------|
| HOLE No. : 6 |
| PAGE 4 of |

| INTERVAL from | to | DESCRIPTION | SAMPLE No. | INTERVAL from | to | LENGTH | | | | | | | |
|------------------|-------|--|------------|------------------|----|--------|--|--|--|--|--|--|--|
| | | Locally 5%, 1-3mm grey oval quartz phenocrysts | | | | | | | | | | | |
| | | Sheared at 45°, trace pyrite cubes sericitic | | | | | | | | | | | |
| | | chloritic yellow green matrix | | | | | | | | | | | |
| | | 0.1-1.0m limonite stained sections | | | | | | | | | | | |
| | | 52.4-52.45 | | | | | | | | | | | |
| | | Rusty brown muddy seam at 45° | | | | | | | | | | | |
| 53.30 | 73.10 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Light grey to grey, fine grained siliceous | | | | | | | | | | | |
| | | 3-5%, 1-3mm grey quartz ovals across 0.5 metres, | | | | | | | | | | | |
| | | (amygdules??) | | | | | | | | | | | |
| | | Massive to well laminated at 45° | | | | | | | | | | | |
| | | Flow banded and flow breccia | | | | | | | | | | | |
| | | Rusty limonite stained bands | | | | | | | | | | | |
| | | 1% pyrite, up to 3% over widths of 0.1 to 1.0 | | | | | | | | | | | |
| | | metre | | | | | | | | | | | |
| | | 56.0-56.1 | | | | | | | | | | | |
| | | 2%, 1-3mm fine grained wispy pyrite | | | | | | | | | | | |
| | | 58.3-58.5 | | | | | | | | | | | |
| | | 2% pyrite | | | | | | | | | | | |
| | | 60.3-60.85 | | | | | | | | | | | |
| | | Black mafic olivine dyke at 60° | | | | | | | | | | | |
| | | biotitic, trace pyrite | | | | | | | | | | | |
| | | 59.9-60.3, Chloritic | | | | | | | | | | | |
| | | 60.05, 1 cm mafic dyke at 45° | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 6

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|----|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 61.45-61.8 | | | | | | | | | | | |
| | | Bleached rusty, distinct 5 mm quartz ovals | | | | | | | | | | | |
| | | 61.75, Grey 5 cm quartz patch | | | | | | | | | | | |
| | | 63.5, 4 cm light grey rusty quartz vein at 50° | | | | | | | | | | | |
| | | Rusty limonitic staining stops at 63,5 | | | | | | | | | | | |
| | | 60.85-65.8 | | | | | | | | | | | |
| | | < 1% pyrite | | | | | | | | | | | |
| | | 62.5 and 63.10 | | | | | | | | | | | |
| | | 5 cm muddy fault gouge | | | | | | | | | | | |
| | | 65.8-67.0 | | | | | | | | | | | |
| | | 2-3% wispy pyrite pyrrhotite seams | | | | | | | | | | | |
| | | pyrrhotite non magnetic | | | | | | | | | | | |
| | | 67.0-68.3 | | | | | | | | | | | |
| | | < 1% pyrite | | | | | | | | | | | |
| | | 66.25 | | | | | | | | | | | |
| | | 5 cm dark grey brecciated quartz and mafic dyke material at 55° 1% pyrite | | | | | | | | | | | |
| | | 63.5-73.1 | | | | | | | | | | | |
| | | Beige, light grey, sericitic | | | | | | | | | | | |
| | | Sheared at 50° | | | | | | | | | | | |
| | | 69.8-70.5 | | | | | | | | | | | |
| | | Grey quartz veining, trace pyrite | | | | | | | | | | | |
| | | 69.95-70.35 | | | | | | | | | | | |
| | | 80% irregular grey quartz veining, trace pyrite | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

| | |
|------------|------|
| HOLE No. : | 6 |
| PAGE | 6 of |

| INTERVAL from | to | DESCRIPTION | SAMPLE No. | INTERVAL from | to | LENGTH | | | | | | |
|------------------|-------|---|------------|------------------|----|--------|--|--|--|--|--|--|
| 73.10 | 87.30 | Rhyolite | | | | | | | | | | |
| | | Light grey yellow | | | | | | | | | | |
| | | Fine grained, siliceous | | | | | | | | | | |
| | | Sheared at 45° | | | | | | | | | | |
| | | 73.2-80.0 | | | | | | | | | | |
| | | Green chloritic bands | | | | | | | | | | |
| | | 78.6-82.6 | | | | | | | | | | |
| | | 2-3% fine grained pyrite and pyrrhotite in wispy | | | | | | | | | | |
| | | bands parallel to shearing | | | | | | | | | | |
| | | 81.35-84.45 | | | | | | | | | | |
| | | Light, quartz rich | | | | | | | | | | |
| | | 2.5% grey white irregular stringers | | | | | | | | | | |
| 87.30 | End | Quartz Porphyritic Rhyolite | | | | | | | | | | |
| | | 15% minute, .5mm quartz eyes in light yellow grey | | | | | | | | | | |
| | | siliceous fine grained matrix | | | | | | | | | | |
| | | Sheared at 50° | | | | | | | | | | |
| | | 87.3-90.6 | | | | | | | | | | |
| | | 1% pyrite | | | | | | | | | | |
| | | 90.6-94.6 | | | | | | | | | | |
| | | < 1% pyrite | | | | | | | | | | |
| | | 92.96 | | | | | | | | | | |
| | | 2.5 cm broken white quartz vein | | | | | | | | | | |
| | | 95.27 | | | | | | | | | | |
| | | 3-4 cm white quartz vein at 55° | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 6

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|----|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 92.45 | | | | | | | | | | |
| | | 1 cm grey quartz vein at 50° | | | | | | | | | | |
| | | 96.0 | | | | | | | | | | |
| | | 3 cm grey quartz vein at 75° | | | | | | | | | | |
| | | 96.7-97.4 | | | | | | | | | | |
| | | 80% irregular white grey quartz veining, trace pyrite, trace dark grey soft metallic mineral | | | | | | | | | | |
| | | 97.9-102.1 | | | | | | | | | | |
| | | 1% fine grained pyrite | | | | | | | | | | |
| | | Wispy 5mm stringers up to 5% pyrite over widths of 10-20 cm | | | | | | | | | | |
| | | 105.5-107.5 | | | | | | | | | | |
| | | 1% pyrite in three sections of 5% over 10-30 cm | | | | | | | | | | |
| | | 111.8-118.1 | | | | | | | | | | |
| | | Sheared at 55°, local kink banding | | | | | | | | | | |
| | | More chloritic with depth | | | | | | | | | | |
| | | 2-3% pyrite, pyrrhotite, non magnetic | | | | | | | | | | |
| | | 110.55-110.65 | | | | | | | | | | |
| | | Grey brecciated quartz, carbonate chlorite vein at 45°, trace pyrite | | | | | | | | | | |
| | | 118.9-119.0 | | | | | | | | | | |
| | | Chloritic fault breccia at 60° | | | | | | | | | | |
| | | 118.1-133.6 | | | | | | | | | | |
| | | Dark grey to dark green, chloritic | | | | | | | | | | |
| | | Weakly sheared at 60° | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 6

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|----|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 122.05, | | | | | | | | | | |
| | | 2 cm grey quartz vein at 80° with carbonate filled fractures and green chlorite blebs | | | | | | | | | | |
| | | 122.3, | | | | | | | | | | |
| | | 2 cm grey quartz carbonate chlorite vein at 80° | | | | | | | | | | |
| | | 125.25 | | | | | | | | | | |
| | | 3 cm grey white quartz carbonate chlorite vein at 75° | | | | | | | | | | |
| | | 125.6, | | | | | | | | | | |
| | | 4 cm white quartz carbonate chlorite vein at 65° with pyrite along contacts | | | | | | | | | | |
| | | 126.4 | | | | | | | | | | |
| | | 3 cm crosscutting grey quartz vein at 45°, trace pyrrhotite chalcopyrite | | | | | | | | | | |
| | | 1.5 cm pyrrhotite bleb along contact. | | | | | | | | | | |
| | | 127.3-127.5 | | | | | | | | | | |
| | | White quartz carbonate chlorite vein at 55° with 1% disseminated pyrite and pyrrhotite | | | | | | | | | | |
| | | Trace grey mineral | | | | | | | | | | |
| | | 127.7-127.8 | | | | | | | | | | |
| | | Crosscutting white quartz carbonate chlorite vein at 45° | | | | | | | | | | |
| | | 20% dark green chlorite | | | | | | | | | | |
| | | 128.5-128.8 | | | | | | | | | | |
| | | 80% light grey white quartz carbonate chlorite veining at 45° 1% sulphides, pyrite pyrrhotite | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 6

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|----|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | Trace chalcopyrite, sphalerite | | | | | | | | | | |
| | | 129.4-129.47 | | | | | | | | | | |
| | | Grey quartz carbonate chlorite vein at 70°, 1% pyrrhotite pyrite trace sphalerite | | | | | | | | | | |
| | | 130.15-130.30 | | | | | | | | | | |
| | | White quartz carbonate chlorite vein at 50° with pyrrhotite, pyrite, trace sphalerite | | | | | | | | | | |
| | | 132.02-132.1 | | | | | | | | | | |
| | | Grey white quartz carbonate chlorite vein at 65°, 2% pyrite cubes and pyrrhotite blebs | | | | | | | | | | |
| | | 118.1-125.9 | | | | | | | | | | |
| | | 1% pyrite, pyrrhotite | | | | | | | | | | |
| | | 125.9-128.1 | | | | | | | | | | |
| | | 3% pyrite, 2% non magnetic pyrrhotite | | | | | | | | | | |
| | | Dark green with blue quartz phenocrysts | | | | | | | | | | |
| | | 128.1-133.6 | | | | | | | | | | |
| | | Green grey, chloritic 2% pyrrhotite, pyrite | | | | | | | | | | |
| | | 133.6-138.1 | | | | | | | | | | |
| | | Grey, with grey blue quartz phenocrysts | | | | | | | | | | |
| | | Sheared at 60° | | | | | | | | | | |
| | | 1-2% pyrite, pyrrhotite | | | | | | | | | | |
| | | 137.6, | | | | | | | | | | |
| | | 1.5 cm grey white quartz carbonate vein at 60° | | | | | | | | | | |
| | | 137.7-137.8 | | | | | | | | | | |
| | | Crumbly, sericitic | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 6

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|--------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 138.1-152.4 | | | | | | | | | | |
| | | Grey to dark grey | | | | | | | | | | |
| | | Sheared at 60° | | | | | | | | | | |
| | | 0.1-2 cm white grey quartz carbonate chlorite | | | | | | | | | | |
| | | veining, trace pyrite, pyrrhotite | | | | | | | | | | |
| | | 144.2-146.5 | | | | | | | | | | |
| | | 5% quartz carbonate veining trace pyrite, | | | | | | | | | | |
| | | pyrrhotite | | | | | | | | | | |
| | | 144.5 | | | | | | | | | | |
| | | 1 cm quartz vein at 60° | | | | | | | | | | |
| | | 145.55 | | | | | | | | | | |
| | | 1.5 cm quartz vein at 50° | | | | | | | | | | |
| | | 145.9 | | | | | | | | | | |
| | | 2.5 cm quartz vein at 85° | | | | | | | | | | |
| | | 146.15-146.4 | | | | | | | | | | |
| | | Six 0.5-1 cm grey quartz veins at 70-90° | | | | | | | | | | |
| | | trace pyrite, pyrrhotite, tourmaline | | | | | | | | | | |
| | | 150.9-150.35 | | | | | | | | | | |
| | | 1% pyrrhotite, pyrite | | | | | | | | | | |
| | | 151.6-151.8 | | | | | | | | | | |
| | | White quartz vein at 55° | | | | | | | | | | |
| | | trace sphalerite | | | | | | | | | | |
| | | 152.27 | | | | | | | | | | |
| | | 2 cm grey quartz vein at 35° trace sphalerite, | | | | | | | | | | |
| | | chalcopyrite | | | | | | | | | | |
| | 152.40 | End of Hole | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

LOCATION: 700E, 075N

HOLE No.: 8
PAGE 1 of

AZIMUTH : 326°
 DIP : 50° LENGTH : 155.75m, 511 ft. ELEVATION :
 STARTED: March 1, 1984 CORE SIZE: BQ DATE LOGGED:
 COMPLETED: March 5, 1984 DIP TESTS: 46m: 50°, 92m: 47°, 139m: 37°
 PURPOSE: To Test IP Anomaly LOGGED BY: W. Benham *W. Benham*

PROPERTY: Allerston Option, Bristol Twp.
 CLAIM No.: P413423
 SECTION :
 LOGGED BY: W. Benham *W. Benham*

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 0 | 36.2 | Overburden | | | | | | | | | | | |
| | | Sand and clay | | | | | | | | | | | |
| | | One 0.6m gabbro and one 0.3m | | | | | | | | | | | |
| | | Rhyolite agglomerate boulders | | | | | | | | | | | |
| 36.2 | 51.55 | Quartz Porphyritic Rhyolite Tuff | | | | | | | | | | | |
| | | 36.2-38.2 | | | | | | | | | | | |
| | | Rusty limonitic broken core | | | | | | | | | | | |
| | | 38.2-47.24 | | | | | | | | | | | |
| | | Grey green to green | | | | | | | | | | | |
| | | Fine grained, sheared at 40° | | | | | | | | | | | |
| | | Grey to blue, 1-2mm cracked quartz phenocrysts | | | | | | | | | | | |
| | | Weak carbonate alteration | | | | | | | | | | | |
| | | Occasional vuggy quartz stringers | | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | | |
| | | 47.24-51.55 | | | | | | | | | | | |
| | | Grey, more massive | | | | | | | | | | | |
| | | 47.8-47.9 | | | | | | | | | | | |
| | | White irregular vuggy quartz vein, trace | | | | | | | | | | | |
| | | pyrite | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 8

PAGE 2 of

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|------|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| 51.55 | 53.8 | Diorite | | | | | | | | | | |
| | | Fine-medium grained. Massive grey green | | | | | | | | | | |
| | | Upper contact at 55° | | | | | | | | | | |
| 53.8 | 71.9 | Quartz Porphyritic Rhyolite Tuff | | | | | | | | | | |
| | | 3-5%, 1-2mm grey to blue grey quartz phenocrysts in | | | | | | | | | | |
| | | a fine grained sheared, hard, green grey, green | | | | | | | | | | |
| | | matrix | | | | | | | | | | |
| | | Sheared at 45° | | | | | | | | | | |
| | | Rusty vuggy quartz stringers | | | | | | | | | | |
| | | Trace pyrite pyrrhotite | | | | | | | | | | |
| | | 56.5-56.6 | | | | | | | | | | |
| | | Crosscutting light grey white quartz carbonate | | | | | | | | | | |
| | | chlorite vein at 40-60° | | | | | | | | | | |
| | | 1% pyrite, pyrrhotite disseminated and in | | | | | | | | | | |
| | | fractures, speck VG | | | | | | | | | | |
| | | Disseminated tourmaline in wallrock. | | | | | | | | | | |
| | | Quartz phenocrysts more blue near vein | | | | | | | | | | |
| | | 70.45, | | | | | | | | | | |
| | | Crosscutting 2.5 cm grey quartz vein at 60° | | | | | | | | | | |
| | | 70.5-71.9, | | | | | | | | | | |
| | | 10%, 2mm blue grey quartz phenocrysts, rusty, | | | | | | | | | | |
| | | strongly carbonated | | | | | | | | | | |
| | | 71.5-71.9 | | | | | | | | | | |
| | | Graphitic, 5% vuggy quartz veining | | | | | | | | | | |

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DIAMOND DRILL RECORD

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | 71.8-71.9 | | | | | | | | | | |
| | | 40% vuggy grey quartz veining at 35-45°, 5% rusty pyrite cubes | | | | | | | | | | |
| 71.9 | 73.0 | Graphitic Sediment | | | | | | | | | | |
| | | Black, fine grained graphite | | | | | | | | | | |
| | | Sheared at 45-55° | | | | | | | | | | |
| | | Rusty shear planes, trace pyrite, quartz carbonate | | | | | | | | | | |
| 73.0 | 74.85 | Rhyolite | | | | | | | | | | |
| | | Very fine grained, creamy white siliceous, 10% finely disseminated tourmaline in bands at 45-55° | | | | | | | | | | |
| | | < 1% fine pyrite | | | | | | | | | | |
| | | 74.65-74.78 | | | | | | | | | | |
| | | Grey fractured vuggy quartz vein at 45°, 2% pyrite in fractures and blebs, rusty | | | | | | | | | | |
| | | 73.45-73.5 | | | | | | | | | | |
| | | Brown sandy mud seam | | | | | | | | | | |
| | | 73.6 | | | | | | | | | | |
| | | 2 cm crosscutting muddy brown seam at 25° | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| 74.85 | 79.5 | Quartz Porphyritic Rhyolite Rusty seams at 55-60° ∠ 1% pyrite 75.4, 1.5 cm disseminated pyrite vein at 55° | | | | | | | | | | |
| 79.5 | 105.3 | Quartz Porphyritic Rhyolite Tuff Light grey, grey green Finely laminated, sheared to massive Distinct 0.1-1 cm green chloritic bands over widths of 0.1-2.0 metres, Trace black tourmaline especially near quartz pyrite veining 81.15-81.30 40%, 0.5 to 2 cm fine grained vuggy pyrite quartz stringers at 55° 82.05-82.45 2% pyrite stringers 82.50-82.85 Greywacke, medium grained, light grey green, strongly carbonated, sheared at 45° 84.57-86.40 2%, 1-5mm pyrite stringers 0.2-2 cm quartz ankerite veins | | | | | | | | | | |

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|----------|----|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | Sheared at 55° | | | | | | | | | | |
| | | 92.35 | | | | | | | | | | |
| | | 3 cm grey white crosscutting quartz vein at | | | | | | | | | | |
| | | 60° | | | | | | | | | | |
| | | 1% pyrite | | | | | | | | | | |
| | | 94.0-94.75 | | | | | | | | | | |
| | | 2% pyrite stringers | | | | | | | | | | |
| | | 94.75-94.85 | | | | | | | | | | |
| | | 50% pyrite in dark blue grey vuggy, rusty | | | | | | | | | | |
| | | quartz brown ankerite veining at 45° | | | | | | | | | | |
| | | Fine grained pyrite and pyrite cubes | | | | | | | | | | |
| | | 95.25-95.32 | | | | | | | | | | |
| | | Pyrite, quartz ankerite veining at 60° | | | | | | | | | | |
| | | 15% pyrite | | | | | | | | | | |
| | | 95.78-95.95 | | | | | | | | | | |
| | | 95% fine grained pyrite with pyrite cubes in | | | | | | | | | | |
| | | a quartz ankerite vein at 45-60° | | | | | | | | | | |
| | | 96.02 1.5 cm pyrite vein at 50° | | | | | | | | | | |
| | | 96.62 2.5 cm vuggy pyrite vein at 60° | | | | | | | | | | |
| | | 80% recovery | | | | | | | | | | |
| | | 97.52-97.62 | | | | | | | | | | |
| | | 80% fine grained pyrite with pyrite cubes in a | | | | | | | | | | |
| | | quartz carbonate matrix | | | | | | | | | | |
| | | Vein at 60° | | | | | | | | | | |
| | | 98.58-98.7 | | | | | | | | | | |
| | | 90% fine grained pyrite with pyrite cubes in a | | | | | | | | | | |

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|----------|----|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | vuggy quartz ankerite matrix | | | | | | | | | | |
| | | Vein at 60° | | | | | | | | | | |
| | | 98.82-98.95 | | | | | | | | | | |
| | | 85% pyrite veining at 60° in a dark quartz ankerite matrix | | | | | | | | | | |
| | | 99.37-99.41 | | | | | | | | | | |
| | | 90% pyrite in a quartz ankerite vein at 50° | | | | | | | | | | |
| | | 98.95-99.60 | | | | | | | | | | |
| | | 10% pyrite | | | | | | | | | | |
| | | 101.05-101.25 | | | | | | | | | | |
| | | Ten, 0.2-1.5 cm fine grained pyrite veins at 60° | | | | | | | | | | |
| | | 30% pyrite | | | | | | | | | | |
| | | 102.42-102.72, Eight, 0.5-4cm pyrite quartz veins at 50°, 40% pyrite | | | | | | | | | | |
| | | 104.50-104.82, 15% pyrite | | | | | | | | | | |
| | | 104.82-104.95 | | | | | | | | | | |
| | | 90% brecciated fine grained pyrite with pyrite cubes in a graphitic quartz matrix | | | | | | | | | | |
| | | Veining at 60° | | | | | | | | | | |
| | | 104.95-105.3 | | | | | | | | | | |
| | | ∠ 1% pyrite pyrrhotite | | | | | | | | | | |
| | | Strongly carbonated, sheared at 65° | | | | | | | | | | |
| | | 104.0-104.9 | | | | | | | | | | |
| | | Light grey white, siliceous | | | | | | | | | | |
| | | Distinct 1-2mm grey quartz phenocrysts | | | | | | | | | | |

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|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| 105.3 | 112.9 | Dacite Tuff | | | | | | | | | | |
| | | Fine grained, light brown grey weakly carbonated | | | | | | | | | | |
| | | Sheared, banded at 60° | | | | | | | | | | |
| | | 112.2-112.35 | | | | | | | | | | |
| | | Creamy brown, sheared at 40° | | | | | | | | | | |
| 112.9 | End | Basalt | | | | | | | | | | |
| | | 112.9-131.0 | | | | | | | | | | |
| | | Fine to medium grained, light green | | | | | | | | | | |
| | | Weak foliation at 60-65° | | | | | | | | | | |
| | | White to light grey irregular quartz carbonate | | | | | | | | | | |
| | | chlorite veining trace pyrite, tourmaline | | | | | | | | | | |
| | | Weakly carbonated | | | | | | | | | | |
| | | 113.3-113.4 | | | | | | | | | | |
| | | White quartz carbonate vein at 50° | | | | | | | | | | |
| | | Trace pyrite, tourmaline | | | | | | | | | | |
| | | 126.2-126.28 | | | | | | | | | | |
| | | White quartz carbonate chlorite vein at 60° | | | | | | | | | | |
| | | 127.05 | | | | | | | | | | |
| | | 2-5 cm white quartz vein at 25-60° | | | | | | | | | | |
| | | 127.2-127.9 | | | | | | | | | | |
| | | Irregular 1.5 cm grey quartz vein at 0° | | | | | | | | | | |
| | | 131.0-149.0 | | | | | | | | | | |
| | | Green massive | | | | | | | | | | |
| | | Occasional irregular white quartz carbonate | | | | | | | | | | |
| | | chlorite veins | | | | | | | | | | |

82' APPLICABLE TO P-44487

RIOCANEX INC.

DIAMOND DRILL RECORD

LOCATION: 200E 250N

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AZIMUTH : 326°
 DIP : -50° LENGTH : 163.68m 537 ft. ELEVATION: PROPERTY: Leliever-Allerston Options, Bristol Twp.
 STARTED: February 26, 1983 CORE SIZE: BQ DATE LOGGED: March 1, 1984 CLAIM No.: P8479 (138.68m), P444487 (25m)
 COMPLETED: February 29, 1984 DIP TESTS: 46m: -42 137m: 22° 92m: -31° SECTION :
 PURPOSE: To Test IP Anomaly LOGGED BY: W. Benham *[Signature]*

| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| 0 | 6.25 | Overburden | | | | | | | | | | |
| 6.25 | 47.25 | Quartz Porphyritic Rhyolite | | | | | | | | | | |
| | | 5-10% minute, lmm, clear quartz phenocrysts in a | | | | | | | | | | |
| | | light grey siliceous, fine grained matrix | | | | | | | | | | |
| | | Weakly sheared at 45° with sericitic shear planes | | | | | | | | | | |
| | | 6.25-18.5 | | | | | | | | | | |
| | | 0.01-1.0m light brown, rusty weathered sections | | | | | | | | | | |
| | | 12.55, | | | | | | | | | | |
| | | 7 cm grey white quartz vein at 50° | | | | | | | | | | |
| | | 21.8-21.9 | | | | | | | | | | |
| | | Two 1 cm and one 3 cm white quartz veins at 70°, | | | | | | | | | | |
| | | trace pyrite | | | | | | | | | | |
| | | 26.45, | | | | | | | | | | |
| | | 5 cm light grey quartz vein at 90° | | | | | | | | | | |
| | | 27.85, | | | | | | | | | | |
| | | 4 cm crosscutting quartz vein at 60° trace | | | | | | | | | | |
| | | pyrite | | | | | | | | | | |
| | | 28.45-28.55 | | | | | | | | | | |
| | | 80% irregular grey white quartz veining, < 1% | | | | | | | | | | |
| | | pyrite, trace sphalerite | | | | | | | | | | |

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| | |
|------------|----|
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| INTERVAL | DESCRIPTION | SAMPLE No. | INTERVAL | LENGTH | | | | | | |
|----------|---|------------|----------|--------|--|--|--|--|--|--|
| from | to | | from | to | | | | | | |
| | 27.1-28.8, | | | | | | | | | |
| | < 1% disseminated pyrite | | | | | | | | | |
| | 30.85 | | | | | | | | | |
| | 3.5 cm grey quartz vein at 45° trace sphalerite | | | | | | | | | |
| | 31.7-32.7 | | | | | | | | | |
| | 1% disseminated and stringers, pyrrhotite and pyrite, trace chalcopyrite | | | | | | | | | |
| | 31.95-32.25 | | | | | | | | | |
| | 1% black tourmaline | | | | | | | | | |
| | 32.7-41.4 | | | | | | | | | |
| | < 1% pyrite pyrrhotite | | | | | | | | | |
| | 35.15-36.0 | | | | | | | | | |
| | Medium grained, light grey, massive felsic dyke with threads of green carbonate | | | | | | | | | |
| | Contacts at 60° | | | | | | | | | |
| | 35.30, | | | | | | | | | |
| | 2.5 cm crosscutting grey quartz vein at 25°, trace pyrite | | | | | | | | | |
| | 35.90 | | | | | | | | | |
| | 5 cm crosscutting white quartz vein at 20° | | | | | | | | | |
| | 37.65-38.0 | | | | | | | | | |
| | 3% pyrrhotite, sheared at 55° | | | | | | | | | |
| | 40.2-41.4 | | | | | | | | | |
| | 1% py along shear planes | | | | | | | | | |
| | 41.4-44.3 | | | | | | | | | |
| | Light grey, bleached, silicified, quartz | | | | | | | | | |

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|------------------|----|---|------------|------------------|----|--------|--|--|--|--|--|--|--|
| | | stringers, chloritic fractures. Distinct 1-3mm blue-grey quartz phenocrysts | | | | | | | | | | | |
| | | 3% pyrite, pyrrhotite, disseminated, 1-5mm blebs and stringers parallel to shearing at 55° | | | | | | | | | | | |
| | | 42.55, | | | | | | | | | | | |
| | | 1.5 cm crosscutting grey quartz vein at 30° | | | | | | | | | | | |
| | | 44.31-44.33 | | | | | | | | | | | |
| | | 2 cm light grey fractured quartz vein at 75° | | | | | | | | | | | |
| | | Four coarse 2-3mm blebs of VG | | | | | | | | | | | |
| | | Trace sphalerite | | | | | | | | | | | |
| | | 44.33-44.80 | | | | | | | | | | | |
| | | 70° brecciated very fine grained massive pyrite fragments at 55° in a white grey quartz matrix with pyrite cubes. | | | | | | | | | | | |
| | | 44.4-44.6 | | | | | | | | | | | |
| | | 90% brecciated pyrite in a quartz matrix | | | | | | | | | | | |
| | | 44.8-46.0 | | | | | | | | | | | |
| | | 10% pyrite blebs and stringers | | | | | | | | | | | |
| | | 46.0-46.3 | | | | | | | | | | | |
| | | 80% brecciated fine grained pyrite and pyrite cubes in a quartz matrix | | | | | | | | | | | |
| | | 46.55-46.65 | | | | | | | | | | | |
| | | 60% pyrite in quartz matrix | | | | | | | | | | | |

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|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 47.3, | | | | | | | | | | | |
| | | 4 cm brecciated pyrite vein at 45° with a graphitic, quartz matrix | | | | | | | | | | | |
| | | 46.30-47.25 | | | | | | | | | | | |
| | | 25% pyrite | | | | | | | | | | | |
| 47.25 | 48.50 | Graphitic Sediments | | | | | | | | | | | |
| | | Black, fine grained | | | | | | | | | | | |
| | | Foliation at 50-55° | | | | | | | | | | | |
| | | 47.25-47.85 | | | | | | | | | | | |
| | | 25% pyrite in 0.2-1 cm wide blebs and stringers | | | | | | | | | | | |
| | | 47.8-47.85 | | | | | | | | | | | |
| | | Dark brown oxidized sulphides | | | | | | | | | | | |
| | | 47.85-48.50 | | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | | |
| 48.50 | 52.2 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | green grey, siliceous | | | | | | | | | | | |
| | | Sheared at 55° | | | | | | | | | | | |
| | | 48.8-49.3 | | | | | | | | | | | |
| | | 15% pyrite stringers and blebs with dark brown oxidized pyrite and quartz matrix | | | | | | | | | | | |
| | | 49.3-52.2 | | | | | | | | | | | |
| | | Trace pyrite, pyrrhotite | | | | | | | | | | | |
| | | 0.5% tourmaline | | | | | | | | | | | |
| | | 49.45-49.55 | | | | | | | | | | | |
| | | Fault Breccia, crushed rock | | | | | | | | | | | |

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| 52.2 | 65.4 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Light grey to grey | | | | | | | | | | | |
| | | Very siliceous | | | | | | | | | | | |
| | | Sheared at 60-65° | | | | | | | | | | | |
| | | 54.75-55.10 | | | | | | | | | | | |
| | | Light grey white irregular quartz veining with | | | | | | | | | | | |
| | | 2% 0.5 cm blebs and stringers of tourmaline, | | | | | | | | | | | |
| | | trace pyrrhotite, pyrite chalcopyrite, sphalerite | | | | | | | | | | | |
| 65.4 | 91.3 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Grey, darker with depth, | | | | | | | | | | | |
| | | sheared at 60-70°, 1-2% white carbonate stringers | | | | | | | | | | | |
| | | Trace pyrite cubes, pyrrhotite | | | | | | | | | | | |
| | | 73.2-73.7 | | | | | | | | | | | |
| | | Six white 2-4 cm white quartz veins at 70-75° | | | | | | | | | | | |
| | | Trace pyrite, sphalerite, tourmaline | | | | | | | | | | | |
| | | 74.1-74.2, | | | | | | | | | | | |
| | | 1% tourmaline | | | | | | | | | | | |
| | | 84.2, | | | | | | | | | | | |
| | | 9 cm white quartz carbonate chlorite vein | | | | | | | | | | | |
| | | at 75° | | | | | | | | | | | |
| | | Trace pyrite, pyrrhotite, tourmaline | | | | | | | | | | | |
| 91.3 | 95.2 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Dark grey green, fine grained | | | | | | | | | | | |
| | | Blue quartz phenocrysts | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | |
| | | Sheared at 75° | | | | | | | | | | | |
| | | White carbonate threads | | | | | | | | | | | |
| | | 1% disseminated pyrite, trace pyrrhotite | | | | | | | | | | | |
| 95.2 | 114.9 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Grey siliceous | | | | | | | | | | | |
| | | clear to grey quartz phenocrysts | | | | | | | | | | | |
| | | Sheared at 70-75° | | | | | | | | | | | |
| | | 100.52-100.58 | | | | | | | | | | | |
| | | White quartz carbonate vein at 75°, trace pyrite | | | | | | | | | | | |
| | | pyrrhotite | | | | | | | | | | | |
| | | 109.3, | | | | | | | | | | | |
| | | 4 cm white quartz vein at 80° | | | | | | | | | | | |
| | | 1% tourmaline | | | | | | | | | | | |
| | | 109.7 | | | | | | | | | | | |
| | | 0.5 cm irregular quartz carbonate chlorite vein, | | | | | | | | | | | |
| | | trace pyrite | | | | | | | | | | | |
| 114.9 | 124.6 | Quartz Porphyritic Rhyolite Tuff | | | | | | | | | | | |
| | | Sheared and banded at 75° | | | | | | | | | | | |
| | | Contorted at contact and locally over widths of | | | | | | | | | | | |
| | | 10-20 cm | | | | | | | | | | | |
| | | 10-15% 1mm quartz phenocrysts | | | | | | | | | | | |
| 124.6 | 125.95 | Graphitic Sediments and Felsic Tuffs | | | | | | | | | | | |
| | | 124.6-124.9 | | | | | | | | | | | |

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| | | Black graphitic sediment | | | | | | | | | | |
| | | Sheared at 70° trace pyrite | | | | | | | | | | |
| | | 124.9-125.5 | | | | | | | | | | |
| | | Grey quartz porphyritic tuff | | | | | | | | | | |
| | | Weakly graphitic | | | | | | | | | | |
| | | 125.5-125.95 | | | | | | | | | | |
| | | Black grey fine grained cherty graphitic sediment | | | | | | | | | | |
| | | Foliation at 65° | | | | | | | | | | |
| 125.95 | 132.65 | Quartz Porphyritic Rhyolite | | | | | | | | | | |
| | | Fine grained, siliceous | | | | | | | | | | |
| | | 3-8% minute quartz phenocrysts. Sheared at 70-75° | | | | | | | | | | |
| | | 127.1-127.7 | | | | | | | | | | |
| | | Rusty limonitic staining | | | | | | | | | | |
| | | Featured, water seam | | | | | | | | | | |
| | | Hole makes water | | | | | | | | | | |
| 132.65 | 139.6 | Quartz Porphyritic Rhyolite Tuff | | | | | | | | | | |
| | | 3% 1mm quartz phenocrysts in a green grey, light grey siliceous matrix, banded at 75° | | | | | | | | | | |
| | | 133.1-133.45 | | | | | | | | | | |
| | | Light grey, quartz rich | | | | | | | | | | |
| | | 132.8-136.8 | | | | | | | | | | |
| | | 1% disseminated pyrrhotite, pyrite | | | | | | | | | | |
| | | 136.8-138.2 | | | | | | | | | | |
| | | 3% pyrrhotite, pyrite stringers | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 7

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| 139.6 | 142.4 | Quartz Porphyritic Rhyolite | | | | | | | | | | |
| | | 15% 1-2mm distinct quartz phenocrysts in a creamy light grey siliceous weakly sericitic matrix. | | | | | | | | | | |
| | | 2% pyrite | | | | | | | | | | |
| | | 140.15-140.25 | | | | | | | | | | |
| | | 10% pyrite, fine grained pyrite blebs and stringers in a quartz matrix | | | | | | | | | | |
| | | Sheared at 75° | | | | | | | | | | |
| | | 140.4-140.47 | | | | | | | | | | |
| | | White quartz carbonate vein at 60° | | | | | | | | | | |
| 142.4 | 146.7 | Rhyolite | | | | | | | | | | |
| | | Fine grained, light grey to yellow | | | | | | | | | | |
| | | Sheared at 75°, sericitic | | | | | | | | | | |
| | | 142.53-142.64 | | | | | | | | | | |
| | | Medium grained, massive felsic dyke at 75° | | | | | | | | | | |
| | | green carbonate | | | | | | | | | | |
| | | 142.4-142.53 | | | | | | | | | | |
| | | Three, 0.5-1 cm pyrite quartz veins at 75° | | | | | | | | | | |
| | | 142.64-142.71 | | | | | | | | | | |
| | | Quartz graphite pyrite vein at 90° | | | | | | | | | | |
| | | 1.5 cm massive pyrite vein near upper contact | | | | | | | | | | |
| | | 143.95-144.17 | | | | | | | | | | |
| | | 75% brecciated fine grained pyrite in a quartz matrix with pyrite cubes | | | | | | | | | | |
| | | 143.3, 143.45, 143.52, 143.6, 144.78 | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No.: 7

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|--------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 149.4 | 158.2 | Quartz Porphyritic Rhyolite | | | | | | | | | | | |
| | | Green grey, 2% quartz phenocrysts | | | | | | | | | | | |
| | | Weakly chloritic, sericitic | | | | | | | | | | | |
| | | Sheared at 70-75° | | | | | | | | | | | |
| | | 149.4-150.1 | | | | | | | | | | | |
| | | 10% irregular white quartz veining in sericitic rhyolite | | | | | | | | | | | |
| | | 154.92-155.07 | | | | | | | | | | | |
| | | Grey white quartz veining at 75° | | | | | | | | | | | |
| 158.2 | 160.9 | Felsic to Intermediate Tuff | | | | | | | | | | | |
| | | Fine grained, light green grey brown, dacitic | | | | | | | | | | | |
| | | Sheared at 85°, core broken | | | | | | | | | | | |
| | | Weakly chloritic, carbonated | | | | | | | | | | | |
| | | 158.2-158.7 | | | | | | | | | | | |
| | | Light brown, sericitic, sheared at 35° | | | | | | | | | | | |
| 160.9 | 163.68 | Basalt | | | | | | | | | | | |
| | | Fine grained, light green, massive strongly carbonated | | | | | | | | | | | |
| | | 160.9-162.4 | | | | | | | | | | | |
| | | Altered, quartz rich | | | | | | | | | | | |
| | | 161.8-162.4 | | | | | | | | | | | |
| | | Irregular white quartz carbonate chlorite veining with tourmaline, trace pyrite | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No. : 7

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| INTERVAL from to | | DESCRIPTION | SAMPLE No. | INTERVAL from to | | LENGTH | | | | | | |
|-------------------------|--------|-----------------------|------------|-------------------------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | 163.68 | End of Hole | | | | | | | | | | |
| | | N.B. Hole makes water | | | | | | | | | | |
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RIOCANEX INC.

DIAMOND DRILL RECORD

LOCATION: L2400E 275S

HOLE No.: 9
PAGE 1 of

AZIMUTH : 326°
 DIP : -50° LENGTH : 106.98m 351 ft. ELEVATION:
 STARTED: March 7, 1984 CORE SIZE: BQ DATE LOGGED: March 22, 1984 PROPERTY: Allerston Option, Bristol Twp.
 COMPLETED: March 9, 1984 DIP TESTS: 46m - 47°, 92m - 31° CLAIM No.: P699068
 PURPOSE: To Test I.P. Anomaly SECTION :
 LOGGED BY: K. Blewett *W. Benham*

| INTERVAL from | to | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | | | |
|------------------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|--|--|
| | | | | from | to | | | | | | | | | | |
| 0 | 10.16 | Overburden | | | | | | | | | | | | | |
| 10.16 | 12.40 | Metasediment fine grained silty wacke soft minor random quartz-carbonate veins .3 cm sheared at 35° | | | | | | | | | | | | | |
| | | 10.16-10.52 rusty limonite stain trace pyrite | | | | | | | | | | | | | |
| | | 11.15 .75 cm pyrite zone 5% py | | | | | | | | | | | | | |
| | | 11.59-11.79 1-2% pyrite one pyrite lense < 2mm | | | | | | | | | | | | | |
| | | 11.92 .75 cm pyrite band < 3-5% py | | | | | | | | | | | | | |
| | | 12.14 .5 cm pyrite band 3% py | | | | | | | | | | | | | |
| | | 12.42 .5 cm pyrite band 3% py | | | | | | | | | | | | | |
| 12.40 | 24.90 | Quartz Porphyry tuff medium to dark grey, homogeneous, 5% grey quartz eyes average .2 cm, weak carbonate and weakly talcose | | | | | | | | | | | | | |
| | | 12.43 1 cm quartz-carbonate vein | | | | | | | | | | | | | |
| | | 1% tourmaline | | | | | | | | | | | | | |
| | | 14.77 1 cm quartz vein at 35° limonite stain | | | | | | | | | | | | | |
| | | 15.60 1 cm quartz vein at 65° | | | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No.: 9

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| INTERVAL from | to | DESCRIPTION | SAMPLE No. | INTERVAL from | to | LENGTH | | | | | | | |
|------------------|-------|---|------------|------------------|----|--------|--|--|--|--|--|--|--|
| | | 16.64 .5 cm pyrite, pyrrhotite band | | | | | | | | | | | |
| | | 16.72-16.79 1-2% pyrite | | | | | | | | | | | |
| | | 16.81 1 cm quartz vein at 65° | | | | | | | | | | | |
| | | 17.74-18.1 ≤ 1% pyrite | | | | | | | | | | | |
| | | 18.65-18.75 1% pyrite | | | | | | | | | | | |
| | | 21.22-21.50 .5-1% pyrite one thin pyrite lense | | | | | | | | | | | |
| | | 23.16 1 cm quartz vein at 30° | | | | | | | | | | | |
| | | 24.75 white quartz vein at 50° | | | | | | | | | | | |
| 24.90 | 37.02 | Metasediment fine grained grey, massive to sheared at 45° silty wacke, minor very fine brownish biotite occasional thin argillaceous band at 45°, 1% quartz clast ≤ .3 cm, minor quartz veins and weak carbonate | | | | | | | | | | | |
| | | 24.90-25.25 2% pyrite trace chalcoppyrite | | | | | | | | | | | |
| | | 26.51 .5 cm quartz vein at 30° | | | | | | | | | | | |
| | | 26.71-28.25 slight increase in argillaceous material ≤ .5% pyrite | | | | | | | | | | | |
| | | 27.39 1.5 cm white quartz vein at 45° | | | | | | | | | | | |
| | | 33.85 7 cm quartz-carbonate vein, fractured, contacts broken, limonite stain, trace pyrite | | | | | | | | | | | |
| | | 35.31 1.5 cm siliceous band at 45° 5% pyrite | | | | | | | | | | | |
| | | 35.61 1 cm siliceous band at 40° 5% pyrite | | | | | | | | | | | |
| | | 35.72 - 35.87 2% very fine pyrite | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No.: 9

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| 37.02 | 52.20 | Metasediment argillaceous silty wacke | | | | | | | | | | | |
| | | Fine grained grey to light greenish grey, 3% to | | | | | | | | | | | |
| | | locally 10% thin black argillaceous bands < .1cm | | | | | | | | | | | |
| | | - 4 cm, weak shearing and banding at 35-40°, | | | | | | | | | | | |
| | | graphite in most black argillaceous bands, up to 5% | | | | | | | | | | | |
| | | grey quartz clasts < .1 cm - .3 cm in zones | | | | | | | | | | | |
| | | generally 5 cm. | | | | | | | | | | | |
| | | 38.03 1 cm dark grey quartz vein at 40° | | | | | | | | | | | |
| | | 38.32 1.5 cm argillaceous band at 40° 3% pyrite. | | | | | | | | | | | |
| | | 38.33-40.96 .5% pyrite locally up to 1% pyrite | | | | | | | | | | | |
| | | 40.70-40.85 several thin quartz veins at 40° | | | | | | | | | | | |
| | | cut by a later set at 35° | | | | | | | | | | | |
| | | 40.96-41.02 5% rounded grey quartz clasts .2-.3 | | | | | | | | | | | |
| | | 41.12 2 cm quartz-carbonate vein at 40° | | | | | | | | | | | |
| | | 42.90-47.14 < 1% fine pyrite | | | | | | | | | | | |
| | | 47.14-52.20 < .5% pyrite | | | | | | | | | | | |
| 52.20 | 56.85 | Metasediment grey slightly coarser grained more | | | | | | | | | | | |
| | | massive wacke, minor argillaceous material | | | | | | | | | | | |
| | | 2-5% grey quartz clasts < .1cm-.2 cm | | | | | | | | | | | |
| | | Well carbonated, weak shearing at 35°, occasional | | | | | | | | | | | |
| | | quartz-carbonate vein, contacts arbitrary, < .5% | | | | | | | | | | | |
| | | pyrite | | | | | | | | | | | |
| | | 52.20-55.05 lighter grey, occasional quartz vein at | | | | | | | | | | | |
| | | 10-50°, blocky | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No.: 9

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|-------|--|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 55.50-55.65 dark grey to black argillaceous material | | | | | | | | | | | |
| | | 56.15-56.22 2 parallel quartz veins at 30° each | | | | | | | | | | | |
| | | < .4 cm | | | | | | | | | | | |
| | | 56.81 .5 cm quartz vein at 40° | | | | | | | | | | | |
| 52.20 | 56.85 | Metasediment fine grained grey to weak greenish grey silty wacke, minor very fine grained biotite, occasional thin argillaceous band, banding and weak shearing at 25-40°, localized zones with up to 3% quartz clasts, clasts < .3cm, occasional thin quartz-carbonate veins parallel to weak shearing and irregular carbonated, trace pyrite | | | | | | | | | | | |
| | | 56.85-61.50 1-2% fine pyrite minor pyrrhotite | | | | | | | | | | | |
| | | 57.15 2 cm irregular quartz carbonate vein minor pyrite | | | | | | | | | | | |
| | | 58.42-59.16 weak siliceous zone .4 cm pygmatic quartz vein at 45° | | | | | | | | | | | |
| | | 59.26 3 cm dark grey band at 40° 1% pyrite | | | | | | | | | | | |
| | | 61.50-63.93 .5-1% pyrite 61.60-62.18 lighter grey more massive 1% pyrite | | | | | | | | | | | |
| | | 62.26 1 cm quartz-carbonate vein at 40° | | | | | | | | | | | |
| | | 64.15-65.40 1% pyrite | | | | | | | | | | | |

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DIAMOND DRILL RECORD

HOLE No.: 9

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | |
|----------|---------------|--|------------|----------|----|--------|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | |
| | | graphitic wisps and bands at 45-70°, local zones | | | | | | | | | | |
| | | with up to 5% grey quartz clasts to .3cm, moderately | | | | | | | | | | |
| | | carbonated, 2% irregular quartz carbonate veins | | | | | | | | | | |
| | 85.97-86.40 | dark grey to black zone < 1% pyrite | | | | | | | | | | |
| | 86.40-87.82 | < .5% pyrite | | | | | | | | | | |
| | 87.82-88.60 | slightly darker grey | | | | | | | | | | |
| | | 1-2% pyrite | | | | | | | | | | |
| | 88.60-90.43 | banding at 40° .5% to locally 1% | | | | | | | | | | |
| | | pyrite | | | | | | | | | | |
| | 90.43-90.98 | darker grey 2% fine pyrite | | | | | | | | | | |
| | 91.05-91.24 | quartz fracture zone, one 1.5 cm quartz | | | | | | | | | | |
| | | vein at 50° .5-1% pyrite | | | | | | | | | | |
| | 92.53-92.64 | 1% pyrite | | | | | | | | | | |
| | 92.83-93.60 | 1% pyrite | | | | | | | | | | |
| | 93.60-95.20 | .5% pyrite, locally 1% pyrite | | | | | | | | | | |
| | 95.20-97.0 | 1% pyrite | | | | | | | | | | |
| | 97.0-98.30 | < .5% pyrite | | | | | | | | | | |
| | 98.30-98.40 | 1% pyrite | | | | | | | | | | |
| | 98.60-98.62 | 2% pyrite | | | | | | | | | | |
| | 98.87-99.02 | 1-2% pyrite | | | | | | | | | | |
| | 100.35 | 2% pyrite across 1.5 cm | | | | | | | | | | |
| | 100.95-101.5 | 1% pyrite | | | | | | | | | | |
| | 103.16-103.90 | 2% fine grained pyrite | | | | | | | | | | |
| | 104.20-107.01 | .5% to locally 1% fine pyrite | | | | | | | | | | |
| | | 104.39 5 cm chloritic argillaceous | | | | | | | | | | |
| | | band at 40° 3% pyrite | | | | | | | | | | |

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DIAMOND DRILL RECORD

HOLE No. : 9

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| INTERVAL | | DESCRIPTION | SAMPLE No. | INTERVAL | | LENGTH | | | | | | | |
|----------|--------|---|------------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | | 64.60-64.65 2% pyrite | | | | | | | | | | | |
| | | 66.47 1.5 cm quartz-carbonate vein at 35° 2% pyrite | | | | | | | | | | | |
| | | 67.00-67.65 1% fine pyrite | | | | | | | | | | | |
| | | 67.69 5 cm quartz vein at 30° trace pyrite | | | | | | | | | | | |
| | | 70.43-70.55 several parallel quartz veins at 45° 2 cm wide minor pyrite | | | | | | | | | | | |
| | | 71.92-72.05 2% pyrite | | | | | | | | | | | |
| | | 72.30-73.78 slightly coarser grained section .5% pyrite | | | | | | | | | | | |
| | | 75.78 4 cm white quartz-carbonate vein, trace pyrite | | | | | | | | | | | |
| | | 75.82-76.18 sheared at 30° 2-3% pyrite | | | | | | | | | | | |
| | | 76.18-80.75 slightly coarser grained more massive, occasional chlorite band, .5% pyrite locally up to 1% pyrite | | | | | | | | | | | |
| | | 80.75-83.0 1% pyrite | | | | | | | | | | | |
| | | 83.20 .5 cm quartz vein at 70° | | | | | | | | | | | |
| | | 84.29-84.55 1-2% | | | | | | | | | | | |
| | | 84.55 .5 cm quartz-carbonate vein at 45° | | | | | | | | | | | |
| | | 84.60-85.70 grey finer grained weakly sheared at 40° .5% pyrite | | | | | | | | | | | |
| 85.70 | 106.98 | Metasediment argillaceous silty wacke fine grained grey to weak greenish grey, minor very fine grained brown biotite, numerous .5mm-1 cm black argillaceous | | | | | | | | | | | |

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DIAMOND DRILL RECORD

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| INTERVAL from to | | DESCRIPTION | SAMPLE No | INTERVAL from to | | LENGTH | | | | | | | | |
|---------------------|--------|---|-----------|---------------------|--|--------|--|--|--|--|--|--|--|--|
| | | 105.30-105.57 several white quartz veins at 20° | | | | | | | | | | | | |
| | | ≤ .3 cm minor pyrite | | | | | | | | | | | | |
| | | 106 .25 1 cm dark grey zone, sheared at 45° | | | | | | | | | | | | |
| | | 2% pyrite | | | | | | | | | | | | |
| | | 106.84 .2 cm white quartz vein at 40° | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | 106.98 | E.O.H. | | | | | | | | | | | | |
| | | Casing left in the hole | | | | | | | | | | | | |
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RIOCANEX INC.

DIAMOND DRILL RECORD

LOCATION: L1600E 150N
 AZIMUTH : 326°

HOLE No. : 10
 PAGE 1 of 1

DIP : -50° LENGTH : 133.20m 437 ft. ELEVATION : PROPERTY : Allerston Option, Bristol Twp.
 STARTED : March 9, 1984 CORE SIZE : BQ DATE LOGGED : March 16, 1984 CLAIM No. : P699066
 COMPLETED : March 14, 1984 DIP TESTS : 46m -49°; 92m -49° 133m -46° SECTION :
 PURPOSE : To Test I.P. Anomaly LOGGED BY : K. Blewett *W. Benham*

| INTERVAL from | to | DESCRIPTION | SAMPLE No. | INTERVAL from | to | LENGTH | | | | | | | | |
|------------------|-------|---|------------|------------------|----|--------|--|--|--|--|--|--|--|--|
| 0 | 52.13 | Overburden | | | | | | | | | | | | |
| 52.13 | 66.02 | Basalt | | | | | | | | | | | | |
| | | 53.13-53.96 Chlorite schist, weathered, 46m missing core | | | | | | | | | | | | |
| | | 53.96-55.30 Grey green carbonated sheared at 40°, 10% quartz veins parallel to shearing and haphazard, < 1% py mainly in quartz veins | | | | | | | | | | | | |
| | | 54.40 1.5 cm quartz zone 3% py | | | | | | | | | | | | |
| | | 52.24-55.30 quartz pegmatite, fractured, lower contact at 40° trace pyrite | | | | | | | | | | | | |
| | | 55.30-56.72 Massive, 10% white to grey quartz veins < 1 cm, micro faulting, 0.5% pyrite locally 2% pyrite in some quartz veins | | | | | | | | | | | | |
| | | 55.77-55.90 sheared at 30° chloritic | | | | | | | | | | | | |
| | | 56.21 1 cm quartz vein at 40°, 1% py | | | | | | | | | | | | |
| | | 56.39 3 cm pinkish pegmatite at 40° trace pyrite at contact | | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No.: 10

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| INTERVAL | | DESCRIPTION | SAMPLE No | INTERVAL | | LENGTH | | | | | | | |
|----------|-------------|---|-----------|----------|----|--------|--|--|--|--|--|--|--|
| from | to | | | from | to | | | | | | | | |
| | 56.72-57.33 | Feldspar Porphyritic Basalt 5% cream rounded and fractured feldspar phenocrysts .1 cm - 1 cm (avg. 4 cm) 2% haphazard quartz-carbonate veins \leq .3 cm | | | | | | | | | | | |
| | | 57.12 1.5 cm chlorite zone at 35° 5% euhedral pyrite | | | | | | | | | | | |
| | 57.33-57.95 | Massive, carbonated, sheared at 15° towards lower contact, 5-10% haphazard quartz carbonate veins \leq .3cm, minor hematite .5% pyrite | | | | | | | | | | | |
| | | 57.85 2 cm siliceous zone 2% euhedral pyrite | | | | | | | | | | | |
| | | 57.87 2 cm pink to grey white quartz carbonate vein, 1% pyrite, euhedral pyrite at lower contact, upper contact 15° lower contact 55° | | | | | | | | | | | |
| | 57.95-60.15 | Feldspar Porphyritic Basalt 5% quartz carbonate veins generally at 65-85° hematite on fractures | | | | | | | | | | | |
| | | 58.09-58.25 1% disseminated euhedral pyrite | | | | | | | | | | | |
| | | 58.81 1.5 cm pink quartz bleb | | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

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| from | to | | | from | to | | | | | | | | |
| | | 1-2% pyrite | | | | | | | | | | | |
| | | 58.90-59.37 Massive trace pyrite | | | | | | | | | | | |
| | | 59.54-59.75 .5% pyrite | | | | | | | | | | | |
| | | 60.15-62.30 Massive to weakly sheared at 30-35° scattered dark green blebs to 1 cm, occasional siliceous bleb with weak red stain, carbonated, 5-10% white quartz carbonate veins ≤ 1 cm haphazard, hema- tite on some fractures ≤ 1% disseminated pyrite | | | | | | | | | | | |
| | | 62.30-64.20 Feldspar Porphyritic Basalt similar to 56.72-57.33, chlorite bands at 15-35° 5-10% quartz veins at 40-60° (older set) and 15-60° (younger set) ≤ 1% pyrite | | | | | | | | | | | |
| | | 62.65-62.90 1% pyrite | | | | | | | | | | | |
| | | 63.44 1 cm siliceous zone at 15° 2-3% pyrite | | | | | | | | | | | |
| | | 63.62-63.76 2-3% disseminated euhedral pyrite | | | | | | | | | | | |
| | | 64.20-66.02 Sheared to siliceous rock sheared at 20° chloritic bands at 20° chloritic bands at 20° ≤ .5 cm, 10% irregular quartz | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | |
| | | carbonate veins, minor micro faulting | | | | | | | | | | | |
| | | 64.84 .5 cm chloritic seam, | | | | | | | | | | | |
| | | 4% pyrite | | | | | | | | | | | |
| | | 64.92-65.64 .5% pyrite one thin pyrite | | | | | | | | | | | |
| | | seam | | | | | | | | | | | |
| | | 65.91 1.5 cm quartz carbonate vein | | | | | | | | | | | |
| | | at 25°, trace pyrite | | | | | | | | | | | |
| 66.02 | 67.25 | Mafic Dyke | | | | | | | | | | | |
| | | Dark green massive, 10% quartz carbonate veins at | | | | | | | | | | | |
| | | 40-70° (older set) and 25° (younger set), quartz | | | | | | | | | | | |
| | | veins generally ≤ .4 cm, contacts arbitrary, trace | | | | | | | | | | | |
| | | pyrite in quartz - carbonate veins | | | | | | | | | | | |
| | | 67.05 .5 cm chlorite siliceous band at 30° 3% | | | | | | | | | | | |
| | | pyrite | | | | | | | | | | | |
| 67.25 | 68.60 | Basalt (Fault Zone?) | | | | | | | | | | | |
| | | Massive to blocky silicified, carbonated, limonite | | | | | | | | | | | |
| | | 5% quartz carbonate veins | | | | | | | | | | | |
| | | 67.25-67.85 Epidote rich siliceous zone sheared at | | | | | | | | | | | |
| | | 20-25°, 5% limonite .5 cm pyrite to weathered | | | | | | | | | | | |
| | | pyrite, 1 cm quartz carbonate vein at 67.81 at | | | | | | | | | | | |
| | | 30°, trace pyrite and tourmaline | | | | | | | | | | | |
| | | 67.91-68.06 Limonite rich siliceous zone | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | | | | | | | |
| 68.60 | 72.70 | Basalt, massive to weakly sheared at 40° carbonated, fractured 10% quartz carbonate veins at 10°-80° hematite on fractures trace pyrite in quartz veins | | | | | | | | | | | | | | | | | |
| | | 70.25 2 cm quartz carbonate vein at 15° minor euhedral pyrite | | | | | | | | | | | | | | | | | |
| | | 72.11 2 cm quartz carbonate vein, lower contact at 45°, upper contact at 50-55° | | | | | | | | | | | | | | | | | |
| | | 72.60-72.70 hard possible dyke | | | | | | | | | | | | | | | | | |
| 72.70 | 76.95 | Basalt (Fault Zone?) Limonite rich massive to sheared at 45°, blocky, carbonated, 3-5% quartz veins below 75.20 trace pyrite | | | | | | | | | | | | | | | | | |
| | | 73.61-73.82 white quartz carbonate vein minor chlorite, trace pyrite, upper contact at 65° | | | | | | | | | | | | | | | | | |
| | | 74.48-75.21 green basalt, carbonated, 3% quartz carbonate veins to .2 cm | | | | | | | | | | | | | | | | | |
| | | 74.79-74.90 epidote rich grey green sheared at 35°, 3-5% pyrite | | | | | | | | | | | | | | | | | |
| | | 75.17-75.21 epidote rich grey green 2-3% pyrite | | | | | | | | | | | | | | | | | |
| | | 75.35-76.01 grey green epidote siliceous zone, blocky, chlorite in fractures, local shearing 5-10%, small 2 fold, 2% pyrite | | | | | | | | | | | | | | | | | |

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| | | 76.10 2.5 cm pinkish quartz carbonate vein at 45-50° | | | | | | | | | | | |
| 76.95 | 80.57 | Basalt Massive dark green, 5-10% white and grey quartz carbonate veins .5% pyrite 79.08-79.51 2% fine pyrite 79.65-80.43 quartz vein rich zone-veins haphazard | | | | | | | | | | | |
| 80.57 | 81.60 | Mafic Dyke Coarser grained, sheared at 40° contacts arbitrary, strong carbonate, 3% irregular quartz carbonate, veins ≤ .3 cm .5% pyrite in upper 2.5 cm | | | | | | | | | | | |
| 81.60 | 105.70 | Basalt 81.60-85.44 massive to weakly sheared at 35-45°, trace pyrite, 5% quartz carbonate veins 81.95 .75 cm quartz vein at 45-50° 3% pyrite in chlorite fracture 82.12-82.50 quartz rich zone - white bleby irregular quartz 1.5 cm and pinkish white quartz carbonate vein 1 cm at 45° < 1% pyrite in pinkish quartz, 1% pyrite in chloritic wall rock 85.44-86.98 feldspar porphyritic basalt massive ≤ 3% creamy feldspar phenocrysts average 2mm, 2% | | | | | | | | | | | |

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| | | random white quartz carbonate veins <.3 cm | | | | | | | | | | | |
| | | upper contact at 45° local shearing at 30° | | | | | | | | | | | |
| | | 86.98-88.17 massive to weakly sheared at 40-45°, | | | | | | | | | | | |
| | | 10% random quartz carbonate veins, .5% pyrite | | | | | | | | | | | |
| | | 87.89-88.17 1% pyrite | | | | | | | | | | | |
| | | 88.17-90.58 feldspar porphyritic basalt, possible | | | | | | | | | | | |
| | | mafic intrusion, similar to 85.44-86.98, ≤2% | | | | | | | | | | | |
| | | quartz carbonate veins | | | | | | | | | | | |
| | | 88.65 1 cm quartz carbonate vein at 30° .1cm | | | | | | | | | | | |
| | | pyrite lense | | | | | | | | | | | |
| | | 90.58-97.50 weakly sheared at 45° dark green, more | | | | | | | | | | | |
| | | numerous fine fractures, micro faulting 5% | | | | | | | | | | | |
| | | random quartz veins. Some hematite on fractures | | | | | | | | | | | |
| | | 90.58-91.00 .5% pyrite and minor thin pyrite | | | | | | | | | | | |
| | | lense | | | | | | | | | | | |
| | | 91.60-96.70 core box overturned by drillers, | | | | | | | | | | | |
| | | mixed feldspar porphyritic basalt, | | | | | | | | | | | |
| | | sheared and massive basalt | | | | | | | | | | | |
| | | 97.47-97.50 hematite rich fracture zone - | | | | | | | | | | | |
| | | 97.15-97.38 1-2% fine pyrite | | | | | | | | | | | |
| | | 97.50-100.10 feldspar porphyritic basalt to sheared | | | | | | | | | | | |
| | | basalt. Dark green 3% white quartz carbonate | | | | | | | | | | | |
| | | veins ≤.3 cm, sheared at 50°, carbonated, minor | | | | | | | | | | | |
| | | hematite | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | |
| | | 98.20-98.45 1-2% coarse pyrite in chlorite fracture zone | | | | | | | | | | |
| | | 99.39-99.48 1% pyrite in quartz fracture zone | | | | | | | | | | |
| | | 99.56-99.78 hematite rich fracture zone | | | | | | | | | | |
| | | 100.10-104.20 massive to sheared epidote basalt 5-10% irregular white quartz veins ≤ .3 cm | | | | | | | | | | |
| | | 100.25-100.52 1-2% pyrite | | | | | | | | | | |
| | | 100.84-103.60 ≤ 1% pyrite, locally 2% pyrite | | | | | | | | | | |
| | | 104.20-104.70 feldspar porphyritic basalt possible dyke, 4% feldspar phenocrysts average .2 - .3 cm. Well carbonated 1% quartz-carbonate veins .5% pyrite | | | | | | | | | | |
| | | 104.70-105.70 massive, numerous quartz carbonate veins at 10-15° carbonated .5% pyrite | | | | | | | | | | |
| 105.70 | 111.0 | Dacite tuff or altered basalt. Grey green to grey fine grained massive to foliated silicified epidote rich rock soft. 3-5% white and grey quartz veins | | | | | | | | | | |
| | | 106.19-106.33 2% pyrite | | | | | | | | | | |
| | | 106.33-106.40 quartz epidote zone at 30° | | | | | | | | | | |
| | | 106.5 1 cm white to grey quartz vein at 45° trace pyrite minor tourmaline | | | | | | | | | | |
| | | 106.74-106.82 1% pyrite | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | |
| | | 107.45-110.1 .5% pyrite | | | | | | | | | | | |
| | | 109.10-110.0 grey 1% pyrite | | | | | | | | | | | |
| | | 109.33 2 cm quartz vein at 45° 2% tourmaline | | | | | | | | | | | |
| | | 109.65 1.5 cm quartz vein at 45°, 2% pyrite | | | | | | | | | | | |
| | | 110.36-110.90 less altered basalt, greener, sheared at 40° 5% quartz veins trace pyrite | | | | | | | | | | | |
| 111.0 | 115.2 | Dacite tuff to lapilli possible altered basalt light greenish occasional grey rounded to elongate quartz lapilli like fragments ≤ .3 cm 2% quartz veins 1% pyrite | | | | | | | | | | | |
| | | 111.05 2.5 cm white quartz vein at 25° trace pyrite | | | | | | | | | | | |
| | | 111.35 1 cm quartz vein at 45° | | | | | | | | | | | |
| | | 111.11-111.60 .5-1% pyrite | | | | | | | | | | | |
| | | 111.60-112.20 2-3% pyrite also pyrite in chlorite fractures | | | | | | | | | | | |
| | | 112.16 1 cm quartz chlorite vein at 55° possible tourmaline | | | | | | | | | | | |
| | | 112.20-112.43 mafic dyke fine grained, upper contact 60°, lower contact at 45° 3-4% coarse pyrite in lower 16 cm | | | | | | | | | | | |
| | | 112.43-115.2 2% pyrite | | | | | | | | | | | |
| 115.20 | 116.30 | Felsic Fragmental possible altered basalt light greenish grey lapilli fragments ≤ 4 cm in a chloritic mafic tuff matrix ≤ 1% quartz veins, layering at 45-50° | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | |
| | | upper contact at 45° | | | | | | | | | | |
| | | Trace pyrite | | | | | | | | | | |
| 116.30 | 120.62 | Dacite tuff to lapilli possible altered basalt to greenish grey to grey green massive to sheared and banded at 30° to 45°, soft, < 2% quartz phenocrysts ≤ .3 cm and grey quartz lapilli fragments < .5 cm, ≤ 1% quartz veins, 1% pyrite locally 2% pyrite | | | | | | | | | | |
| | | 116.37-116.55 limonite rich zone | | | | | | | | | | |
| | | 116.55-117.54 .6m ground core | | | | | | | | | | |
| | | 117.54-117.68 2-3% pyrite | | | | | | | | | | |
| | | 117.78-117.88 limonite rich zone | | | | | | | | | | |
| | | 117.68 2 cm quartz vein at 45° fractured 2% tourmaline trace pyrite | | | | | | | | | | |
| | | 118.57-118.85 darker green banded tuff at 25° | | | | | | | | | | |
| | | 118.85-120.62 light greenish grey weakly sheared at 40°, soft, 3% grey qtz. lapilli fragments < 1.5 cm avg. .2-.3 cm, 2% white quartz veins at 35-45° | | | | | | | | | | |
| | | 1% pyrite | | | | | | | | | | |
| | | 119.33-119.45 white quartz vein at 50° | | | | | | | | | | |
| | | 119.80 2 cm white quartz vein at 45°, 2% tourmaline | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | | |
| 120.62 | 123.70 | Dacite tuff, possible altered basalt greener dacitic to andesitic tuff weakly sheared and banded 30-45° 2-3% white and grey quartz veins <.5 cm at 35 to 60° 1% pyrite | | | | | | | | | | | | |
| | | 121.27-121.47 2-3% pyrite | | | | | | | | | | | | |
| | | 122.37-126.56 2-3% pyrite | | | | | | | | | | | | |
| | | 123.20 .5 cm limonite rich vein at 40° | | | | | | | | | | | | |
| | | 123.30 .5 cm quartz vein at 45° | | | | | | | | | | | | |
| 123.70 | 125.80 | Feldspar Porphyritic Basalt, possible mafic dyke massive, becomes finer grained towards bottom ≤3% feldspar phenocrysts average .2 cm, 2% random quartz veins <.3 cm, minor hematite on fractures, 3 cm white quartz vein at upper contact at 80° ≤ .5% pyrite | | | | | | | | | | | | |
| 125.80 | 133.23 | Massive to fractured, medium to dark green, trace pyrite dark green, trace pyrite | | | | | | | | | | | | |
| | | 126.50-128.61 breccia zone - lighter green epidote rich, strong carbonate minor hematite on fractures | | | | | | | | | | | | |
| | | 127.65 9 cm quartz carbonate vein at 40° minor hematite | | | | | | | | | | | | |
| | | 127.95 .5 cm white quartz carbonate vein at 45° minor pyrite | | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | |
| | | 87.50-90.50 45% core recovery | | | | | | | | | | | |
| 90.50 | 93.60 | Metasediment light to medium green, vuggy, moderately weathered weak carbonate, weak sericite, sheared at 45°, contacts broken, trace pyrite | | | | | | | | | | | |
| | | 90.50-93.60 56.45% core recovery | | | | | | | | | | | |
| 93.60 | 96.09 | Felsic tuff greenish grey to grey fine grained massive to weakly foliated monotonous rock, weak shearing and banding at 45-50°, occasional light green more sericitic sections, 2-3% grey quartz veins generally parallel to foliations and irregular | | | | | | | | | | | |
| | | 95.38-95.56 rust zone-limonite stain, well carbonated trace pyrite | | | | | | | | | | | |
| | | 95.56-96.09 light grey green more massive tuff, 2% pyrite trace chalcovpyrite mainly in fine quartz veins | | | | | | | | | | | |
| 96.09 | 96.41 | Metasediment grey to dark green grey, lower half is siliceous, well foliated at 50°, upper contact at 45°, <1% pyrite and pyrrhotite | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | |
| 96.41 | 126.70 | Felsic Tuff | | | | | | | | | | | |
| | | Fine grained light greenish grey massive to foliated and weakly banded at 45-50°, 3% grey quartz veins irregular and parallel to foliation | | | | | | | | | | | |
| | | 96.41-97.37 more altered grey green, 1% pyrite minor tourmaline | | | | | | | | | | | |
| | | 97.37 .5 cm quartz vein at 25° | | | | | | | | | | | |
| | | 97.63-97.72 limonite fractures 2% pyrite | | | | | | | | | | | |
| | | 97.97-98.18 limonite rich fracture zone trace pyrite | | | | | | | | | | | |
| | | 98.55-98.80 1-2% pyrite | | | | | | | | | | | |
| | | 99.07-99.30 increase in fractures and grey irregular quartz veins, 2-3% pyrite mainly associated with fractures and quartz veins | | | | | | | | | | | |
| | | 99.30-101.68 .5% pyrite trace chalcopryrite | | | | | | | | | | | |
| | | 101.68-102.06 greener more strongly sheared at 45°, 1 cm quartz vein at 50° trace chalcopryrite at contact | | | | | | | | | | | |
| | | 102.60-102.71 lamprophyre dyke, amphibole rich, irregular contacts | | | | | | | | | | | |
| | | 102.71-103.06 1% pyrite | | | | | | | | | | | |
| | | 103.07-103.22 siliceous quartz vein zone 5% euhedral pyrite, minor tourmaline | | | | | | | | | | | |
| | | 103.22-103.47 1-2% pyrite minor thin grey quartz veins | | | | | | | | | | | |

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| from | to | | | from | to | | | | | | | | |
| | | 104.95-105.50 2% pyrite | | | | | | | | | | | |
| | | 105.50-105.91 .5% pyrite | | | | | | | | | | | |
| | | 105.91-106.03 1.5 cm grey white quartz vein at 35° | | | | | | | | | | | |
| | | 107.75 sheared at 55° | | | | | | | | | | | |
| | | 108.52 .5 cm grey quartz vein at 90° trace pyrite | | | | | | | | | | | |
| | | 108.82-109.02 quartz vein zone, 3% pyrite trace tour- maline | | | | | | | | | | | |
| | | 109.20- 2 cm quartz vein at 35° | | | | | | | | | | | |
| | | 109.45-109.71 sheared and silicified zone 2% pyrite | | | | | | | | | | | |
| | | 109.71-110.50 sheared at 55° 2-3% pyrite | | | | | | | | | | | |
| | | 110.0 2.5 cm white to grey quartz vein at 60° minor pyrite trace tourmaline | | | | | | | | | | | |
| | | 110.0 >4 cm grey to white quartz vein, contacts irregular pyrite at contacts | | | | | | | | | | | |
| | | 110.15-110.45 irregular grey quartz veins 3% pyrite | | | | | | | | | | | |
| | | 110.59 1 cm grey quartz vein at 40-45° minor pyrite | | | | | | | | | | | |
| | | 110.63-111.04 5% grey quartz veins irregular and parallel to core axis .5% pyrite | | | | | | | | | | | |
| | | 113.11 minor epidote | | | | | | | | | | | |
| | | 114.11-114.40 .5% pyrite | | | | | | | | | | | |
| | | 114.96 1 cm quartz vein at 90° | | | | | | | | | | | |
| | | 115.10-115.20 1% pyrite trace chalcopyrite | | | | | | | | | | | |

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| | | 115.20-115.30 quartz vein zone, irregular quartz veins .5 cm trace pyrite and chalcopyrite | | | | | | | | | | |
| | | 115.40-115.55 numerous irregular quartz veins 2% pyrite | | | | | | | | | | |
| | | 115.80 1 cm quartz vein at 60° | | | | | | | | | | |
| | | 115.90 two parallel quartz veins ≤ 1 cm at 60° | | | | | | | | | | |
| | | 116.22 3 cm grey white fractured quartz vein | | | | | | | | | | |
| | | 116.27-116.33 1-2% pyrite | | | | | | | | | | |
| | | 116.33-118.6 ≤ .5% pyrite | | | | | | | | | | |
| | | 119.37-119.50 3-4% pyrite | | | | | | | | | | |
| | | 119.37-119.95 white fractured quartz vein, scattered tourmaline upper contact 30°, lower contact 10° | | | | | | | | | | |
| | | 120.25 1 cm quartz vein at 65° | | | | | | | | | | |
| | | 120.50 1 cm quartz vein at 85° | | | | | | | | | | |
| | | 120.65-123.10 lighter green sheared at 50° | | | | | | | | | | |
| | | 121.04-121.65 2-3% pyrite | | | | | | | | | | |
| | | 121.8-122.8 ≤ 1% pyrite minor tourmaline | | | | | | | | | | |
| | | 124.0-124.28 metasediment darker grey homogenous foliated at 50°, lower contact at 55°, trace pyrite | | | | | | | | | | |
| | | 124.28-124.67 light greyish green massive to weakly foliated tuff at 50°, 3-4% narrow grey quartz veinlets generally at 65° occasional chlorite band | | | | | | | | | | |
| | | 124.67-124.78 metasediment darker grey well foliated at 45° contacts at 45° | | | | | | | | | | |

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| | | 124.78-126.76 light greyish green felsic tuff, 4% grey quartz veins generally .3 cm 1% pyrite | | | | | | | | | | |
| | | 125.08 1 cm grey quartz vein at 50° trace pyrite | | | | | | | | | | |
| | | 125.27-125.31 metasediment contacts at 45° | | | | | | | | | | |
| | | 125.97 1 cm grey quartz vein at 50° small pyrite lense at upper contact | | | | | | | | | | |
| | | 125.97-126.11 3% pyrite | | | | | | | | | | |
| | | 126.53-126.68 siliceous grey quartz vein zone, fractured, 5% pyrite in upper 5 cm | | | | | | | | | | |
| 126.70 | 132.23 | Metasediment darker grey, medium grained, massive to weakly foliated wacke, foliated sections at 45-50° <1% grey quartz veins, .5% pyrite trace chalcop- pyrite, trace tourmaline, contacts broken | | | | | | | | | | |
| | | 127.13-127.42 light greyish green felsic tuff, 3% grey quartz veins generally < .5 cm at 55° to 70° 2% pyrite | | | | | | | | | | |
| | | 128.73-128.96 light greyish green intermixed felsic tuff and wacke metasediment, blocky 1% pyrite | | | | | | | | | | |

RIOCANEX INC.

DIAMOND DRILL RECORD

HOLE No.: 11

PAGE 7 of

| INTERVAL from | to | DESCRIPTION | SAMPLE No. | INTERVAL from | to | LENGTH | | | | | | | |
|------------------|--------|--|------------|------------------|----|--------|--|--|--|--|--|--|--|
| 132.23 | 148.44 | Basalt fine grained dark green massive rock, local sections sheared at 60°, 3-5% white random quartz-carbonate veins ≤ .5 cm weak to moderate carbonate throughout | | | | | | | | | | | |
| | | 132.23-136.10 massive, 3-5% white quartz-carbonate veins .5% pyrite | | | | | | | | | | | |
| | | 136.10-140.70 weakly sheared, possible mafic tuff 3-5% random quartz-carbonate veins weak carbonate, .5% pyrite | | | | | | | | | | | |
| | | 136.90 1.5 cm white-grey quartz vein at 50° | | | | | | | | | | | |
| | | 137.50 1 cm quartz-carbonate vein at 75-80°, weak limonite stain at upper contact | | | | | | | | | | | |
| | | 138.10 .5 cm grey quartz vein at 55° | | | | | | | | | | | |
| | | 140.70-148.44 massive to fractured, minor hematite on some fractures 3-5% quartz-carbonate veins < .5% pyrite | | | | | | | | | | | |
| | | 143.13 3 cm irregular quartz vein zone, pinkish white | | | | | | | | | | | |
| | | 143.5 4 cm white quartz bleb | | | | | | | | | | | |
| | | 145.15-145.25 mafic dyke 3% fine biotite, sheared at 60°, carbonated, upper contact sharp at 75° | | | | | | | | | | | |
| | | 145.42-146.25 5%-1% euhedral coarse pyrite | | | | | | | | | | | |



Ministry of Natural Resources

Report of Work

Bristol 100p
W.R. #121/
The Mini



42A05NE8473 25 BRISTOL

900

Name and Postal Address of Recorded Holder

Rio Algom Exploration Inc.

A30260

Ste. 2400, 120 Adelaide St. W., Toronto, Ontario M5H 1W5

Summary of Work Performance and Distribution of Credits

| Total Work Days Cr. claimed | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. |
|--|-------------------|--------|---------------|--------------|--------|---------------|--------------|--------|---------------|
| | Prefix | Number | | Prefix | Number | | Prefix | Number | |
| 2941 | | | | | | | | | |
| for Performance of the following work. (Check one only) | See Attached List | | | | | | | | |
| <input type="checkbox"/> Manual Work | | | | | | | | | |
| <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. | | | | | | | | | |
| <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. | | | | | | | | | |
| <input type="checkbox"/> Power Stripping | | | | | | | | | |
| <input checked="" type="checkbox"/> Diamond or other Core drilling | | | | | | | | | |
| <input type="checkbox"/> Land Survey | | | | | | | | | |

GEOLOGICAL SURVEY
ASSESSMENT FILES
SEARCH OFFICE
APR 17 1984

All the work was performed on Mining Claim(s): P363445, 413423, 444494, 451543, 454000, 479503, 525965

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drill Contractor: Longyear Canada Inc.
P.O. Box 330
North Bay, Ontario
P1B 8H6

Work Period: January 30, 1984 to March 5, 1985

RECORDED
MAR 1 1984
Receipt No. 30

PORCUPINE MINING DIVISION
RECEIVED
MAR 15 1984
A.M. P.M.
7|8|9|10|11|12|1|2|3|4|5|6

Date of Report: 14/3/84
Recorded by or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
W. Benham

c/o Rio Algom Exploration Inc.

Date Certified: 14/3/84
Certified by (Signature): *[Signature]*

Table of Information/Attachments Required by the Mining Recorder

| Type of Work | Specific information per type | Other information (Common to 2 or more types) | Attachments |
|---|---|---|--|
| Manual Work | Nil | Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. | Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post. |
| Shaft Sinking, Drifting or other Lateral Work | | | |
| Compressed air, other power driven or mechanical equip. | Type of equipment | Names and addresses of owner or operator together with dates when drilling/stripping done. | |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | | |
| Diamond or other core drilling | Signed core log showing; footage, diameter of core, number and angles of holes. | Nil | Work Sketch (as above) in duplicate |
| Land Survey | Name and address of Ontario land surveyer. | | Nil |

DISTRIBUTION OF CREDITS

| MINING CLAIM | | WORK | MINING CLAIM | | WORK |
|--------------|---------------|----------|--------------|--------|----------|
| PREFIX | NUMBER | DAYS CR. | PREFIX | NUMBER | DAYS CR. |
| P | 516144 | 100 | P | 699063 | 20 |
| | 516145 | 100 | | 699064 | 60 |
| | 516146 | 100 | | 699065 | 60 |
| | 516147 | 100 | | 699066 | 60 |
| | 516148 | 100 | | 699067 | 60 |
| | 516149 | 100 | | 699068 | 60 |
| | 516150 | 100 | | 699069 | 20 |
| | <u>516151</u> | 100 | | 699070 | 20 |
| | 517082 | 60 | | 699071 | 20 |
| | 517083 | 60 | | 699072 | 20 |
| | 517084 | 60 | | 699073 | 20 |
| | 517085 | 60 | | 699074 | 20 |
| | 517086 | 60 | | 699075 | 20 |
| | <u>517087</u> | 60 | | 699076 | 20 |
| | 522040 | 60 | | 699077 | 20 |
| | 522041 | 60 | | 699080 | 20 |
| | 522042 | 60 | | 699081 | 20 |
| | <u>522043</u> | 60 | | 699082 | 20 |
| | 525965 | 60 | | 752210 | 20 |
| | 525966 | 140 | | 752211 | 20 |
| | 525967 | 140 | | 752212 | 20 |
| | 525968 | 140 | | 752213 | 20 |
| | <u>525969</u> | 140 | | 752214 | 20 |
| | 699055 | 20 | | 752215 | 20 |
| | 699056 | 20 | | 752216 | 20 |
| | 699057 | 20 | | 752217 | 20 |
| | 699058 | 20 | | 752218 | 20 |
| | 699059 | 20 | | 752219 | 20 |
| | 699060 | 20 | | | |
| | 699061 | 21 | | | |
| | 699062 | 20 | | | |

RECORDED
 MAR 1 1984
 Receipt No. 50

PORCUPINE MINING DIVISION
RECEIVED
 MAR 15 1984
 A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.
 752219

14/3/84 *W.B.*

GODFREY TWP.

BRISTOL TWP.

Bristol Twp.

G-3998

Thunder Creek

| | | | | | |
|--------|--------|--------|--------|--------|--------|
| 699070 | 699071 | 699074 | 699075 | 699082 | 699081 |
| 699069 | 699072 | 699073 | 699076 | 699077 | 699080 |

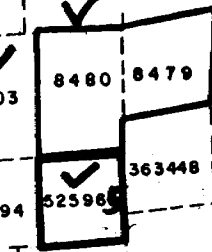
| | | | |
|--------|--------|--------|--------|
| 516145 | 516146 | 516149 | 516150 |
| 516144 | 516147 | 516148 | 516151 |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 525989 | 525966 | 699055 | 699058 | 699059 | 699062 | 699063 | 699068 | 699067 | 699068 |
| 525968 | 525967 | 699056 | 699057 | 699060 | 699061 | 699064 | 699065 | | 380411 |

| | | | |
|--------|--------|--------|--------|
| 480308 | 480309 | 480310 | 480311 |
| | | 480312 | 480313 |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 444496 | 444494 | 444487 | 444495 | 413423 | 413424 | 413425 | 451533 | 382720 | 382721 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

| | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 480316 | 480317 | 454000 | 479503 | 8480 | 8479 | 413232 | 522040 | 522041 | 414517 | 451532 | 752217 | 752216 | 752215 | 752214 |
| 480315 | 479504 | 453999 | 451541 | 379994 | 525965 | 363448 | 522043 | 522042 | 414516 | 451531 | 752210 | 752211 | 712212 | 752213 |
| 479507 | 479505 | 451548 | 451542 | 451543 | 451544 | 363447 | 517082 | 517086 | 517085 | 752218 | | | | |
| 479508 | 479506 | 444489 | 444488 | 451547 | 451548 | 451545 | 517083 | 517087 | 517084 | 752219 | | | | |
| 479715 | 444493 | 444492 | | | | | | | | | | | | |



Hwy. 101

NOTE: All Claims Have Prefix 'P'

14/3/84 W.F. [Signature]

ALLERSTON OPTION

LOCATION MAP

Scale: 1" = 2640'



Ministry of
Natural
Resources

Report
of Work

SHEET NO 1

478/84

Mining Act

BRISTOL TWP.

Instructions - Supply required data on a separate form for each type of work to be recorded (see table below).
- For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

| | |
|--|-------------------------------------|
| Name and Postal Address of Recorded Holder Ralph E. Allerston 543 Pine street North, Timmins, Ont. P4N 6L9 | Prospector's Licence No. M-13613 |
|--|-------------------------------------|

Summary of Work Performance and Distribution of Credits

| Total Work Days Cr. claimed 1357 days | Mining Claim | | | Mining Claim | | | Mining Claim | | |
|---|--------------|--------|---------------|--------------|--------|---------------|--------------|-----------|---------------|
| | Prefix | Number | Work Days Cr. | Prefix | Number | Work Days Cr. | Prefix | Number | Work Days Cr. |
| for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey | P | 781395 | 61 | P | 783001 | 61 | | Continued | |
| | | 781396 | 61 | | 783002 | 61 | | Sheet #2 | |
| | | 781397 | 61 | | 783003 | 61 | | | |
| | | 781398 | 61 | | 783004 | 61 | | | |
| | | 781399 | 61 | | 783005 | 61 | | | |
| | | 781400 | 61 | | 783006 | 61 | | | |
| | | | | | 783007 | 61 | | | |
| | | | | | 783008 | 61 | | | (continued) |

All the work was performed on Mining Claim(s):

854' (CONT) FWD

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Longyear Canada Inc.,
Box 330
North Bay Ont.

Bristol Township, Porcupine Mining Division, Ont.

ONTARIO GEOLOGICAL SURVEY
ASBESTOS DDH No 87
1000 HIGH OFFICE 9
NOV 27 1984
RECEIVED
Per DD Logs

82' (bal)
351
437
487
1357' BQ Coring

RECORDED
NOV 2 1984
Receipt No. *cl*

accompanying this Report of Work

PORCUPINE MINING DIVISION
RECEIVED
NOV - 2 1984

Ralph E. Allerston

Date of Report
November 2/84
Recorded Holder or Agent (Signature)
Ralph Allerston

Certification/Verifying Report of Work

I hereby certify that I possess and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

Ralph E. Allerston

543 Fine St. North Timmins, Ont.

Date Certified
Nov. 2 1984
Certified by (Signature)
Ralph Allerston

Table of Information/Attachments Required by the Mining Recorder

| Type of Work | Specific information per type | Other information (Common to 2 or more types) | Attachments |
|---|---|---|--|
| Manual Work | Nil | Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. | Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post. |
| Shaft Sinking, Drifting or other Lateral Work | | | |
| Compressed air, other power driven or mechanical equip. | Type of equipment | Names and addresses of owner or operator together with dates when drilling/stripping done. | |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | | |
| Diamond or other core drilling BQ | Signed core log showing; footage, diameter of core, number and angles of holes. | Nil | Work Sketch (as above) in duplicate |
| Land Survey | Name and address of Ontario land surveyer. | | Nil |



Mining Act

| | |
|---|--|
| Name and Postal Address of Recorded Holder Ralph E. Allerston | Prospector's Licence No. M-13613 |
| 543 Pine Street North, Timmins, Ont. P4N 6L9 | |

Summary of Work Performance and Distribution of Credits *PSJ END*

| Total Work Days Cr. claimed | Mining Claim | | | Work Days Cr. | Mining Claim | | | Work Days Cr. | Mining Claim | | | Work Days Cr. |
|---|--------------|--------|--|---------------|--------------|--------|--|---------------|--------------|--------|--|---------------|
| | Prefix | Number | | | Prefix | Number | | | Prefix | Number | | |
| For Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey | P | 725351 | | 61 | | | | | | | | |
| | | 725352 | | 61 | | | | | | | | |
| | | 725353 | | 61 | | | | | | | | |
| | | 725354 | | 61 | | | | | | | | |
| | | 725355 | | 61 | | | | | | | | |
| | | 725356 | | 61 | | | | | | | | |
| | | 725357 | | 61 | | | | | | | | |
| | | 725358 | | 76 | | | | | | | | |

All the work was performed on Mining Claim(s): **Total 1357 Ft (Sheets #1 and 2)**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Longyear Canada Inc.,
 Box 330,
 North Bay Ont.

Bristol Township, Porcupine Mining Division, Ont.
 Spreading assessment drilling:
 DDH No. 7 82' (bal) applicable
 9 351
 10 437
 11 487
 1357' BQ Coring

Fer DD Logs accompanying this Report of Work.
Ralph E. Allerston

| | |
|-------------------------------|---|
| Date of Report Nov. 2 1984 | Recorded Holder or Agent (Signature) <i>R. Allerston</i> |
|-------------------------------|---|

Certification Verifying Report of Work

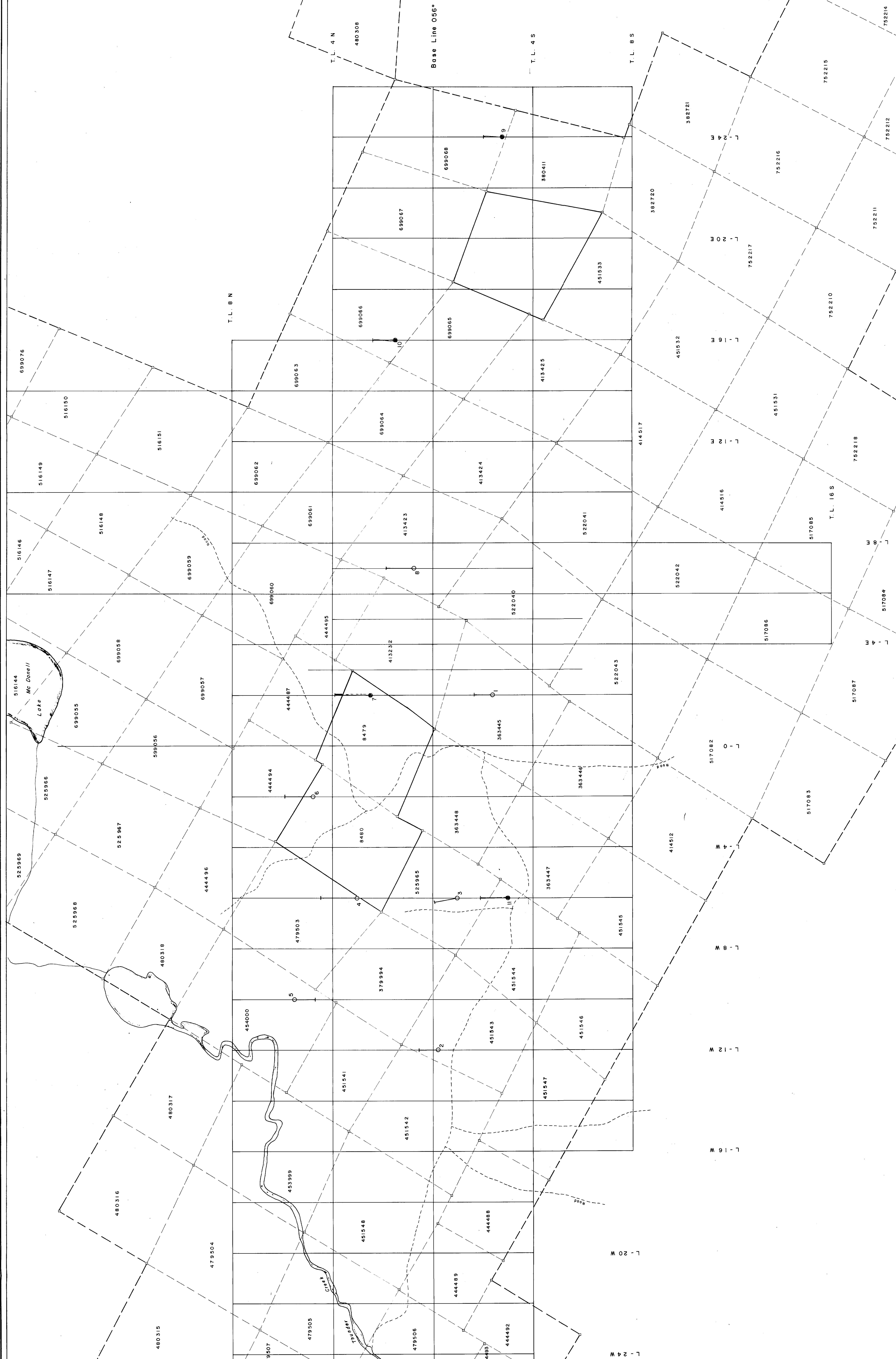
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

| | |
|-------------------------------|---|
| Date Certified Nov. 2 1984 | Certified by (Signature) <i>R. Allerston</i> |
|-------------------------------|---|

Table of Information / Attachments Required by the Mining Recorder

| Type of Work | Specific information per type | Other information (Common to 2 or more types) | Attachments |
|---|--|---|--|
| Manual Work | Nil | Names and addresses of men who performed manual work / operated equipment, together with dates and hours of employment. | Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post. |
| Shaft Sinking, Drifting or other Lateral Work | | | |
| Compressed air, other power driven or mechanical equip. | Type of equipment | Names and addresses of owner or operator together with dates when drilling/stripping done. | |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | | |
| Diamond or other core drilling BQ Size | Signed core log showing; footage, diameter of core, number and angles of holes. | | Work Sketch (as above) in duplicate |
| Land Survey | Name and address of Ontario land surveyer. | Nil | Nil |



Riocanex Inc.
 ALLIANCE OPTION - BRISTOL TWP-ONT.
 D.D.H. LOCATION MAP
 April - 1984 W.B./e.b. DWG. D 4807

N.T.S.
 42-A-5
 SCALE 1:5000
 METRES
 0 200 400

NOTE:
 All Claims have prefix "P"

L-24 W L-20 W L-16 W L-12 W L-8 W L-4 W
 L-0 W L-4 E L-8 E L-12 E L-16 E L-20 E
 L-24 E L-20 E L-16 E L-12 E L-8 E L-4 E
 L-0 E L-4 S L-8 S L-12 S L-16 S L-20 S
 L-24 S L-20 S L-16 S L-12 S L-8 S L-4 S
 L-0 S L-4 N L-8 N L-12 N L-16 N L-20 N
 L-24 N

