

## SURFACE DIAMOND DRILLHOLE : RR002

PROJECT IDEN : RING  
COLLAR NORTHING: 64970.00  
DRILLED BY : DDTSTART DATE : 28 NOV 89  
COLLAR EASTING : 75115.00  
TOTAL LENGTH : 283.00COMPLETION DATE : 13 DEC 89  
COLLAR ELEVATION: 570.00  
CORE/HOLE SIZE : HQLOGGED BY: DR. SCOTT W. HALLEY  
GRID AZIMUTH : 0.00

| SURVEY FLAG | SURVEY POINT<br>LOCATION | FORESIGHT | AZIMUTH<br>(DEGREES) | VERTICAL ANGLE<br>(DEGREES) | NORTHING | EASTING |
|-------------|--------------------------|-----------|----------------------|-----------------------------|----------|---------|
| 000         | 0.00                     | 270.00    | -65.00               | 64970.00                    | 75115.00 | 570.00  |
| 000         | 11.00                    | 268.00    | -63.25               |                             |          |         |
| 000         | 37.00                    | 270.50    | -60.33               |                             |          |         |
| 000         | 76.00                    | 271.50    | -54.50               |                             |          |         |
| 000         | 125.00                   | 274.00    | -50.25               |                             |          |         |
| 000         | 170.00                   | 273.00    | -49.00               |                             |          |         |
| 000         | 215.00                   | 273.00    | -47.03               |                             |          |         |
| 000         | 262.00                   | 272.50    | -45.63               |                             |          |         |

| Interval<br>From (m) To (m) | Rec.<br>(m) | RQD<br>(m) | Description   | Unit             |
|-----------------------------|-------------|------------|---|------------------|
| 0.00                        | 1.00        |            | NO CORE.  |                  |
| 1.00                        | 11.45       |            | GREYWACKE: darker gray, 20% siltstone, coarsely bedded, veinlets of siderite 1%.<br>9.20 - 10.10: 90% GREYWACKE: bedding: 42, veinlets of siderite 1%, blebs of chalcopryrite .03%, blebs of galena 0.1%, veinlets of sphalerite 0.3%.  | WHITE SPUR GROUP |
| 11.45                       | 148.30      |            | MUDSTONE: dark gray, 10% siltstone, 10% sandstone, finely bedded, interbedded, veined, veinlets of quartz 1%, veinlets of siderite 1%, disseminations of pyrite .03%.<br>12.15 - 12.20: 50% MUDSTONE: bedding: 35.<br>14.10 - 14.20: 100% MUDSTONE: veinlets of quartz 10%, veinlets of siderite 10%, blebs of chalcopryrite 2.5%, blebs of sphalerite 0.3%.<br>16.50 - 16.60: 70% MUDSTONE: bedding: 30.<br>17.70 - 18.00: 30% SANDSTONE: graded bedded, finely bedded, bedding: 31. | WHITE SPUR GROUP |

443380

R.G.C. Exploration Pty Ltd  
RING RIVER  
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

| Interval<br>From (m) To (m) | Rec.<br>(m) | RQD<br>(m) | Description  | Unit |
|-----------------------------|-------------|------------|--|------|
| 18.90 - 19.00:              |             |            | 50% SILTSTONE: bedding: 43, cleavage: 28.  |      |
| 20.90 - 21.10:              |             |            | 70% MUDSTONE: graded bedded, finely bedded,<br>bedding: 39, cleavage: 28.  |      |
| 23.40 - 23.50:              |             |            | 80% MUDSTONE: finely bedded, bedding: 37.  |      |
| 25.85 - 25.95:              |             |            | 100% FAULT: veinlets of siderite 30%, stringers<br>of graphite 20%.  |      |
| 26.40 - 26.50:              |             |            | 60% SILTSTONE: finely bedded, bedding: 38,<br>cleavage: 31.  |      |
| 27.20 - 27.30:              |             |            | 100% MUDSTONE: veinlets of quartz 30%,<br>stringers of graphite 20%.   |      |
| 28.50 - 28.60:              |             |            | 70% MUDSTONE: finely bedded, bedding: 60.  |      |
| 31.80 - 31.90:              |             |            | 90% MUDSTONE: finely bedded, bedding: 33.  |      |
| 33.80 - 33.90:              |             |            | 10% SANDSTONE: finely bedded, bedding: 20.   |      |
| 34.80 - 35.00:              |             |            | 100% FAULT: stringers of graphite 30%.   |      |
| 36.70 - 36.80:              |             |            | 100% MUDSTONE: finely bedded, bedding: 0.  |      |
| 39.90 - 40.00:              |             |            | 70% MUDSTONE: finely bedded, bedding: 46,<br>cleavage: 32.   |      |
| 41.80 - 41.90:              |             |            | 50% SANDSTONE: finely bedded, graded bedded,<br>bedding: 36, cleavage: 23.   |      |
| 45.00 - 65.00:              |             |            | 90% MUDSTONE: veinlets of quartz 2.5%, veinlets<br>of siderite 2.5%, stringers of graphite 1%, disseminations of<br>pyrite 0.3%. |      |

448381

R.G.C. Exploration Pty Ltd  
RING RIVER  
SURFACE DIAMOND DRILLHOLE : RR002 (CONTINUED)

| Interval |        | Rec.<br>(m) | RQD<br>(m) | Description  | Unit |
|----------|--------|-------------|------------|--|------|
| From (m) | To (m) |             |            |  |      |
| 47.70    | 47.80  |             |            | 80% MUDSTONE: finely bedded, bedding: 46.  |      |
| 48.40    | 49.20  |             |            | 100% MUDSTONE: disrupted bedding, veinlets of siderite 5%, stringers of graphite 2.5%.   |      |
| 52.80    | 53.80  |             |            | 100% MUDSTONE: disrupted bedding, veinlets of siderite 5%, stringers of graphite 2.5%.   |      |
| 54.50    | 54.60  |             |            | 60% MUDSTONE: finely bedded, bedding: 52.  |      |
| 56.20    | 56.30  |             |            | 90% MUDSTONE: finely bedded, bedding: 32, veinlets of siderite 10%, lenses of pyrite 2.5%.   |      |
| 57.00    | 57.10  |             |            | 60% MUDSTONE: finely bedded, bedding: 0, lenses of pyrite 5%.  |      |
| 60.30    | 61.60  |             |            | 90% MUDSTONE: disrupted bedding.   |      |
| 62.50    | 63.10  |             |            | 80% MUDSTONE: finely bedded, brecciated, veined, bedding: 33, veinlets of quartz 20%, veinlets of siderite 10%.  |      |
| 64.30    | 64.70  |             |            | 100% FAULT: 100% mudstone, disrupted bedding, veinlets of quartz 5%, veinlets of siderite 5%, stringers of graphite 2.5%, blebs of chalcopyrite 0.1%, veinlets of sphalerite 1%. |      |
| 67.00    | 67.10  |             |            | 80% MUDSTONE: finely bedded, bedding: 8, 33.   |      |
| 69.10    | 69.60  |             |            | 80% MUDSTONE: bedding: 0, lower contact: 37.   |      |
| 71.50    | 71.90  |             |            | 100% MUDSTONE: disrupted bedding, veinlets of siderite 20%, stringers of graphite 5%.  |      |

448382

R.G.C. Exploration Pty Ltd  
RING RIVER  
SURFACE DIAMOND DRILLHOLE : RR002 (CONTINUED)

| Interval |        | Rec.<br>(m) | RQD<br>(m) | Description  | Unit |
|----------|--------|-------------|------------|--|------|
| From (m) | To (m) |             |            |  |      |
|          |        |             |            | 76.30 - 76.60: 80% MUDSTONE: finely bedded, bedding: 47.   |      |
|          |        |             |            | 84.90 - 85.10: 90% MUDSTONE: finely bedded, bedding: 35.   |      |
|          |        |             |            | 88.50 - 88.90: 60% MUDSTONE: finely bedded, bedding: 0.  |      |
|          |        |             |            | 93.00 - 93.10: 80% MUDSTONE: finely bedded, bedding: 58.   |      |
|          |        |             |            | 96.10 - 97.70: 80% MUDSTONE: disrupted bedding, veinlets of quartz 1%, veinlets of siderite 2.5%, stringers of graphite 2.5%.    |      |
|          |        |             |            | 99.85 - 110.00: 90% MUDSTONE: finely bedded, bedding: 68, cleavage: 51, blebs of pyrite 2.5%.                                    |      |
|          |        |             |            | 103.40 - 103.45: 30% MUDSTONE: disrupted bedding, fault: 51.   |      |
|          |        |             |            | 105.20 - 105.40: 90% MUDSTONE: finely bedded, bedding: 63, cleavage: 44.   |      |
|          |        |             |            | 106.80 - 115.70: 80% MUDSTONE: disrupted bedding, veinlets of quartz 2.5%, veinlets of siderite 10%, stringers of graphite 2.5%. |      |
|          |        |             |            | 118.60 - 118.90: 90% MUDSTONE: finely bedded, bedding: 45.   |      |
|          |        |             |            | 121.50 - 121.90: 90% MUDSTONE: finely bedded, bedding: 40, lenses of pyrite 2.5%.  |      |
|          |        |             |            | 126.00 - 126.30: 90% MUDSTONE: finely bedded, bedding: 15.   |      |
|          |        |             |            | 128.15 - 128.30: 100% VEIN: vein: 30, veinlets of quartz 70%, veinlets of siderite 30%.  |      |
|          |        |             |            | 136.00 - 136.30: 100% MUDSTONE: finely bedded, bedding: 24.  |      |

448383

R.G.C. Exploration Pty Ltd  
RING RIVER  
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

| Interval |        | Rec.<br>(m) | RQD<br>(m) | Description   | Unit                  |
|----------|--------|-------------|------------|---|-----------------------|
| From (m) | To (m) |             |            |   |                       |
|          |        |             |            | 139.20 - 139.30: 100% FAULT: fault: 47.   |                       |
|          |        |             |            | 144.60 - 144.70: 60% MUDSTONE: finely bedded, graded bedded, bedding: 60.                     |                       |
|          |        |             |            | 144.80 - 148.30: 90% MUDSTONE: disrupted bedding, lenses of pyrite 1%.                        |                       |
| 148.30   | 148.95 |             |            | FAULT: dark gray, fault: 64, fault: 64.   | ROSEBERY FAULT        |
| 148.95   | 185.00 |             |            | MUDSTONE: very dark gray, fractured, veined, massive, veinlets of siderite 2.5%.              | DUNDAS GROUP CAMBRIAN |
|          |        |             |            | 152.85 - 152.90: 100% MUDSTONE: fault: 72.  |                       |
|          |        |             |            | 154.90 - 154.95: 100% MUDSTONE: fault: 50.  |                       |
|          |        |             |            | 155.22 - 155.24: 100% MUDSTONE: fault: 45.  |                       |
|          |        |             |            | 158.90 - 159.00: 100% MUDSTONE: finely bedded, bedding: 56.                                   |                       |
|          |        |             |            | 163.50 - 163.60: 100% MUDSTONE: finely bedded, bedding: 54.                                   |                       |
|          |        |             |            | 164.40 - 164.50: 100% MUDSTONE: finely bedded, bedding: 0.                                    |                       |
|          |        |             |            | 169.00 - 169.20: 100% MUDSTONE: finely bedded, bedding: 42.                                   |                       |
|          |        |             |            | 172.90 - 173.05: 100% MUDSTONE: fault: 16.  |                       |
|          |        |             |            | 175.80 - 175.90: 100% MUDSTONE: finely bedded, bedding: 45.                                   |                       |
|          |        |             |            | 177.18 - 177.22: 100% MUDSTONE: fault: 42.  |                       |
|          |        |             |            | 178.00 - 178.10: 100% MUDSTONE: finely bedded, bedding: 47.                                   |                       |
| 185.00   | 200.02 |             |            | BRECCIA: dark gray, 70% mudstone, 20% sandstone clasts, nodular, stringers of siderite 10%.   | DUNDAS GROUP CAMBRIAN |
| 200.02   | 203.40 |             |            | SANDSTONE: pale grey, massive, weak to moderate silica alteration, veinlets of siderite 2.5%. | DUNDAS GROUP CAMBRIAN |

448384

R.G.C. Exploration Pty Ltd  
RING RIVER  
SURFACE DIAMOND DRILLHOLE : RR002 (CONTINUED)

|   | Interval        | Rec. | RQD | Description   | Unit                  |
|---|-----------------|------|-----|---|-----------------------|
|   | From (m) To (m) | (m)  | (m) |   |                       |
|   | 203.40 205.15   |      |     | MUDSTONE: very dark gray, 20% sandstone, brecciated, veinlets of siderite 2.5%.   | DUNDAS GROUP CAMBRIAN |
|   | 205.15 210.00   |      |     | SANDSTONE: pale grey, 20% mudstone, brecciated, feldspar phytic, veinlets of siderite 2.5%.   | DUNDAS GROUP CAMBRIAN |
| R | 205.15 210.00   |      |     | THIS ROCK LACKS DISTINCT BEDDING, HAS EXTREMELY CONVOLUTED AND BRECCIATED CONTACTS AND CONTAINS COARSE FRESH FELDSPAR. IT MAY BE A SUBMARINE EXTRUSIVE, IN PART REWORKED. |                       |
| R | 205.15 210.00   |      |     |   |                       |
| R | 205.15 210.00   |      |     |   |                       |
|   | 210.00 213.76   |      |     | MUDSTONE: very dark gray, brecciated, finely bedded, veinlets of siderite 2.5%.   | DUNDAS GROUP CAMBRIAN |
|   | 213.76 216.00   |      |     | SANDSTONE: pale green, massive, veinlets of siderite 5%.  | DUNDAS GROUP CAMBRIAN |
|   | 216.00 216.95   |      |     | MUDSTONE: very dark gray, brecciated, veinlets of siderite 2.5%.  | DUNDAS GROUP CAMBRIAN |
|   | 216.95 218.60   |      |     | SANDSTONE: pale grey, brecciated, veinlets of siderite 2.5%.  | DUNDAS GROUP CAMBRIAN |
|   | 218.60 221.50   |      |     | MUDSTONE: dark gray, brecciated, veinlets of siderite 5%.   | DUNDAS GROUP CAMBRIAN |
|   | 221.50 223.35   |      |     | SILTSTONE: pale grey, massive.  | DUNDAS GROUP CAMBRIAN |
|   | 223.35 224.05   |      |     | MUDSTONE: dark gray, veinlets of siderite 2.5%.   | DUNDAS GROUP CAMBRIAN |
|   | 224.05 224.80   |      |     | SILTSTONE: pale green, massive, euhedral crystals of pyrite 1%.   | DUNDAS GROUP CAMBRIAN |
|   | 224.80 229.50   |      |     | MUDSTONE: dark gray, finely bedded.   | DUNDAS GROUP CAMBRIAN |
|   | 229.50 233.15   |      |     | SILTSTONE: pale green, massive, weak silica alteration.   | DUNDAS GROUP CAMBRIAN |
|   | 233.15 235.60   |      |     | MUDSTONE: dark gray, brecciated, veinlets of siderite 5%.   | DUNDAS GROUP CAMBRIAN |
|   | 235.60 237.60   |      |     | SILTSTONE: pale green, massive.   | DUNDAS GROUP CAMBRIAN |
| R | 235.60 237.60   |      |     | SHARP LOWER CONTACT DISCORDANT TO BEDDING IN MUDSTONE.  |                       |
|   | 237.60 244.90   |      |     | MUDSTONE: dark gray, 10% siltstone, disrupted bedding,  | DUNDAS GROUP CAMBRIAN |

448385

IGC GEGLOG

PAGE: 7 DATE: 20 JUN 90

R.G.C. Exploration Pty Ltd  
RING RIVER  
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

| Interval |        | Rec. | RQD | Description  | Unit                  |
|----------|--------|------|-----|--|-----------------------|
| From (m) | To (m) | (m)  | (m) |  |                       |
|          |        |      |     | veinlets of siderite 2.5%, blebs of sphalerite .03%.                                 |                       |
| 244.90   | 251.60 |      |     | SILTSTONE: pale green, stockworked.  | DUNDAS GROUP CAMBRIAN |
| 251.60   | 255.00 |      |     | MUDSTONE, very dark gray, finely bedded, disrupted bedding, veinlets of siderite 1%. | DUNDAS GROUP CAMBRIAN |
| 255.00   | 255.90 |      |     | SILTSTONE, pale green, stockworked.  | DUNDAS GROUP CAMBRIAN |
| 255.90   | 265.90 |      |     | MUDSTONE, dark gray, 10% siltstone, stockworked, veinlets of siderite 1%.            | DUNDAS GROUP CAMBRIAN |
| 265.90   | 272.20 |      |     | SILTSTONE: pale green, 10% mudstone, stockworked.                                    | DUNDAS GROUP CAMBRIAN |
| 272.20   | 282.20 |      |     | MUDSTONE: very dark gray, stockworked, veinlets of siderite 1%.                      | DUNDAS GROUP CAMBRIAN |
| 282.20   | 283.00 |      |     | SILTSTONE: light green.  | DUNDAS GROUP CAMBRIAN |

448386