

COMINCO LTD.



EXPLORATION

NTS: 116 C/8

WESTERN DISTRICT

22 November 1982



PLUTO GROUP

DAWSON M.D., YUKON TERRITORY

LATITUDE: 64°20'N; LONGITUDE: 140°22'W

ASSESSMENT REPORT FOR DIAMOND DRILLING

PROGRAM ON MINERAL CLAIM PLUTO 26

DURING THE PERIOD

26 JUNE TO JULY 9, 1982

REPORT BY:

I.A. PATERSON

091398

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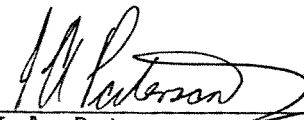
STATEMENT - Exhibit "C"


FIGURE 1 - Location Map

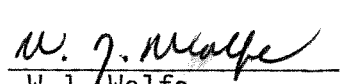
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Report by: 
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Project Geologist

Endorsed by: 
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Senior Geologist

Approved for
Release by: 
W.J. Wolfe
Assistant Manager
Exploration
Western District.

Scale

Colour Plot
& Dips

Drill Hole Record



Property PLUTO District DAWSON, Y.T. Hole No. 82-2
 Commenced 27 June 1982 Location Tests at Hor. Comp.
 Completed 9 July 1982 Core Size NQ Corr. Dip Vertical Hole Vert. Comp.
 Co-ordinates 1 + 79N, 1 + 44E True Brg. Logged by A.L. Wilkins
 Objective To test for molybdenum and tungsten mineralization % Recov. >99% Date
at depth.

Claim 26

T Brg. Vertical Hole

Collar Dip

Elev. 904 m - 2966'

Length 2327'

Hole No. 82-2 Sheet 1 of 20

| Footage From To | Description | Sample No. | Length | Analysis | |
|--------------------|---|---------------|--------|----------|---------|
| | | | | % Mo | W (ppm) |
| 22' of casing | Log refers to lithology only. | 12-20 | 8 | 0.021 | 60 |
| | | 20-30 | 10 | 0.019 | <2 |
| 00' - 12' | Overburden and talus. | 30-40 | 10 | 0.062 | <2 |
| | | 40-50 | 10 | 0.020 | <2 |
| 12' - 50' | QFP Quartz Feldspar Porphyry with extensive clay alteration, and limonite and ferrimolybdate staining throughout (oxidized zone). | 50-60 | 10 | 0.020 | 2 |
| | 35% smokey anhedral quartz averaging ½ mm in diameter with 6% euhedral phenocrysts up to 8 mm in diameter. | 60-70 | 10 | 0.016 | 25 |
| | 43% white to buff subhedral k-feldspar averaging ½ mm in diameter with 4% euhedral phenocrysts up to 12 mm in length. | | | | |
| | 20% white to buff subhedral plagioclase averaging ½ mm in diameter with the occasional euhedral phenocrysts up to 5 mm in length. | | | | |
| | 2% black biotite flecs around 1 mm in size. | | | | |
| | trace euhedral pyrite. | | | | |
| 50 - 70 | QFP grading into Crowded QFP and back into QFP | | | | |
| | Crowded QFP is mineralogically the same as QFP but with 30% quartz and k-feldspar phenocrysts. | | | | |
| | There is clay alteration of feldspars and limonite and ferrimolybdate staining throughout (oxidized zone). | | | | |

Scale

Colour Plot
& Dip

Drill Hole Record



| | | | | |
|--------------|-------|-----------|-----------|-------------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | | Location | Tests at | Hor. Comp. |
| Completed | | Core Size | Corr. Dip | Vert. Comp. |
| Co-ordinates | | | True Brg. | Logged by |
| Objective | | | % Recov. | Date |

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.

82-2

Sheet

2

| Footage From To | Description | Sample No. | Length | Analysis | | | | | |
|--------------------|---|---------------|--------|----------|--------|--|--|--|--|
| | | | | %Mo | W(ppm) | | | | |
| 70 - 95 | QFP grading into crowded QFP and back into QFP. There is pervasive clay alteration of feldspars throughout and in places the QFP is "rotten" because of the clay alteration. There is also limonite and ferrimolybdate staining throughout (oxidized zone). | 70- 80 | 10 | 0.021 | <2 | | | | |
| | | 80- 90 | 10 | 0.007 | 18 | | | | |
| | | 90-100 | 10 | 0.010 | <2 | | | | |
| | | 100-110 | 10 | 0.015 | 3 | | | | |
| 95 - 100 | QFP with pervasive clay alteration of feldspars and some minor secondary muscovite alteration. There is limonite and ferrimolybdate staining throughout. | 110-120 | 10 | 0.021 | 12 | | | | |
| | | 120-130 | 10 | 0.007 | 30 | | | | |
| | | 130-140 | 10 | 0.005 | 40 | | | | |
| 100 - 120 | QFP with minor clay alteration and light green alteration of feldspars. | 140-150 | 10 | 0.008 | 25 | | | | |
| | | 150-160 | 10 | 0.006 | 200 | | | | |
| | | 160-170 | 10 | 0.004 | 35 | | | | |
| 120 - 160 | QFP with minor light green alteration of some feldspars. | 170-180 | 10 | 0.002 | 13 | | | | |
| | | 180-190 | 10 | 0.013 | 700 | | | | |
| | | 190-200 | 10 | 0.002 | 15 | | | | |
| 239 - 243 | Gradational contact into aplitic zone of QFP with 30% quartz, 59% k-feldspar, 10% plagioclase, 1% biotite and no phenocrysts. | 200-210 | 10 | 0.005 | 35 | | | | |
| | | 210-220 | 10 | 0.004 | 4 | | | | |
| | | 220-230 | 10 | 0.001 | 7 | | | | |
| 243 - 260 | QFP. The contact is gradational. | 230-240 | 10 | 0.001 | 26 | | | | |
| | | 240-250 | 10 | 0.011 | 38 | | | | |
| | | 250-260 | 10 | 0.004 | 55 | | | | |
| 260 - 282 | Crowded QFP with minor light green alteration of feldspar. The contact is gradational. | 260-270 | 10 | 0.005 | 14 | | | | |
| | | 270-280 | 10 | 0.002 | 12 | | | | |
| | | | | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| | | | | |
|--------------|-------|-----------|-----------|-------------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | | Location | Tests at | Hor. Comp. |
| Completed | | Core Size | Corr. Dip | Vert. Comp. |
| Co-ordinates | | | True Brg. | Logged by |
| Objective | | | % Recov. | Date |

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.
82-2Sheet
3

| Footage From To | Description | Sample No. | Length | Analysis | | | | |
|--------------------|---|---------------|--------|----------|---------|--|--|--|
| | | | | %Mo | W (ppm) | | | |
| 282 - 288 | Crowded QFP - "rotten" due to extensive clay alteration of feldspars. | 280-290 | 10 | 0.002 | 8 | | | |
| | | 290-300 | 10 | 0.005 | 11 | | | |
| 288 - 370 | Crowded QFP with minor light green alteration of some feldspars. | 300-310 | 10 | 0.006 | 15 | | | |
| | | 310-320 | 10 | 0.044 | 14 | | | |
| 370 - 374 | QFP - gradational contact into and out of QFP. | 320-330 | 10 | 0.002 | 3 | | | |
| | | 330-340 | 10 | 0.001 | 2 | | | |
| 374 - 384 | Crowded QFP | 340-350 | 10 | 0.002 | 2 | | | |
| | | 350-360 | 10 | 23 | 15 | | | |
| 384 - 393 | QFP - gradational contact with some banded textures. | 360-370 | 10 | 8 | 6 | | | |
| | | 370-380 | 10 | 54 | 40 | | | |
| 393 - 426 | Crowded QFP with minor light green alteration of some feldspars. | 380-390 | 10 | 24 | 30 | | | |
| | | 390-400 | 10 | 14 | 12 | | | |
| 426 - 427 | Crowded QFP and QFP with clay alteration of feldspars (contact zone) | 400-410 | 10 | 13 | 17 | | | |
| | | 410-420 | 10 | 17 | 15 | | | |
| 427 - 438 | QFP | 420-430 | 10 | 2 | 13 | | | |
| | | 430-440 | 10 | 5 | 15 | | | |
| 438 - 443 | Crowded QFP | 440-450 | 10 | 15 | 100 | | | |
| 443 - 445 | QFP | | | | | | | |
| 445 - 451 | Crowded QFP | | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| | | | | |
|--------------|-------|-----------|-----------|-------------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | | Location | Tests at | Hor. Comp. |
| Completed | | Core Size | Corr. Dip | Vert. Comp. |
| Co-ordinates | | | True Brg. | Logged by |
| Objective | | | % Recov. | Date |

| Footage | | Description | Sample No. | Length | Analysis ppm | | Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. 82-2 | Sheet 4 |
|---------|-------|--|------------|--------|--------------|-----|-------|--------|------------|-------|--------|---------------|---------|
| From | To | | | | Mo | W | | | | | | | |
| 451 | 453 | Crowded QFP with clay alteration of feldspars. | 450-460 | 10 | 2 | 8 | | | | | | | |
| | | | 460-470 | 10 | 27 | 10 | | | | | | | |
| 453 | 473 | Crowded QFP | 470-480 | 10 | 39 | 15 | | | | | | | |
| | | | 480-490 | 10 | 19 | 20 | | | | | | | |
| 473 | 476 | QFP | 490-500 | 10 | 323 | 700 | | | | | | | |
| | | | 500-510 | 10 | 219 | 800 | | | | | | | |
| 476 | 492 | Crowded QFP. | 510-520 | 10 | 12 | 15 | | | | | | | |
| | | | | | | | | | | | | | |
| 492 | 503 | Three near vertical beryl + quartz + fluorite + pyrite + molybdenite + wolframite + galenobismutite + green muscovite veins cutting altered crowded QFP. The crowded QFP has been altered to clay + muscovite + quartz + pyrite by the veins. There are remnant quartz phenocrysts in the altered zone. The core angle of the veins is 10° and the thickness of the veins are 2 cm, 3 cm and 2 cm. | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 503 | 518.5 | Crowded QFP. There is a 5 cm "rotten" zone of clay altered feldspars at 511'. The crowded QFP is cut by a 2 cm dyke of MGP with a core angle of 55° at 515'. | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 518.5 | 521 | Sharp contact (45°) into QFP which grades back into crowded QFP. | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Drill Hole Record



| | | | | |
|--------------|-------|-----------|-----------|-------------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | | Location | Tests at | Hor. Comp. |
| Completed | | Core Size | Corr. Dip | Vert. Comp. |
| Co-ordinates | | | True Brg. | Logged by |
| Objective | | | % Recov. | Date |

| Footage From To | Description | Sample No. | Length | Analysis | | ppm | Elev. | Length | Hole No. | Sheet |
|--------------------|---|---------------|--------|----------|-----|-----|-------|--------|----------|-------|
| | | | | Mo | W | | | | | |
| 521 - 550 | MGP - Middle Granite Porphyry | 520-530 | 10 | 21 | 55 | | | | 82-2 | 5 |
| | 40% smokey euhedral quartz with a continuous range of grain sizes from 1 mm to 5 mm in diameter. | 530-540 | 10 | 38 | 70 | | | | | |
| | 40% white to buff euhedral k-feldspar with a continuous range of grain sizes from 1 mm to 5 mm in length. | 540-550 | 10 | 85 | 80 | | | | | |
| | 19% white to buff subhedral plagioclase around 1 mm to 2 mm in size. | 550-560 | 10 | 110 | 40 | | | | | |
| | 1% black biotite flecs around 1 mm in size. | 560-570 | 10 | 153 | 15 | | | | | |
| | The contact between MGP and the QFP is sharp with a core angle of 70°. K-feldspar crystals along the contact grow into the MGP. There are no other chilling features. | 570-580 | 10 | 13 | 200 | | | | | |
| | | 580-590 | 10 | 13 | 100 | | | | | |
| | | 590-600 | 10 | 162 | 800 | | | | | |
| 550 - 560 | MGP with disseminated wolframite and pyrite. | | | | | | | | | |
| 560 - 570 | MGP with disseminated molybdenite and clots of pyrite. | | | | | | | | | |
| 570 - 592 | MGP | | | | | | | | | |
| 592 - 600 | MGP with clay alteration of feldspars due to quartz-muscovite-pyrite (QMP) veins. Most of the rock is "rotten." | | | | | | | | | |
| 600 - 604 | MGP | | | | | | | | | |

Drill Hole Record



| | | | | |
|--------------|-------|-----------|-----------|-------------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | | Location | Tests at | Hor. Comp. |
| Completed | | Core Size | Corr. Dip | Vert. Comp. |
| Co-ordinates | | | True Brg. | Logged by |
| Objective | | | % Recov. | Date |

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.
82-2Sheet
7

| Footage From | To | Description | Sample No. | Length | Analysis |
|-----------------|----|---|---------------|--------|----------|
| 712 | | BGR - Biotite Granite 25% light grey subhedral quartz averaging 1 mm in diameter with the occasional phenocryst up to 5 mm. 40% white to buff subhedral k-feldspar averaging 1 mm in diameter. 25% white to buff subhedral plagioclase averaging 1 mm in diameter 5% biotite flecs averaging 1 mm and commonly altered to pyrite + muscovite. | | | |
| | | The contact between crowded QFP and BGR is sharp. horizontal scale 1:1 | | | |
| | | | | | |
| | | A - 1mm of predominantly fine grained plagioclase with minor k-feldspar and an average grain size of 1/2 mm. | | | |
| | | B - 5mm of predominantly fine-grained k-feldspar with minor quartz and an average grain size of 1/2 mm. | | | |
| | | C - 5mm of quartz and K-feldspar with minor plagioclase and an average grain size of 1/2 mm to 1 mm. | | | |
| | | D - 2mm similar to zone B. | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| | | | | |
|--------------|-----------|-----------|-------------|------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | Location | Tests at | Hor. Comp. | |
| Completed | Core Size | Corr. Dip | Vert. Comp. | |
| Co-ordinates | | True Brg. | Logged by | |
| Objective | | % Recov. | Date | |

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.

Sheet

82-2

8

| Footage From To | Description | Sample No. | Length | Analysis ppm | | |
|--------------------|---|---------------|--------|--------------|-----|-------|
| | | | | Mo | W | %Mo |
| 712 - 716 | BGR increasing clay alteration of feldspars and muscovite + pyrite alteration of biotite with depth. | 710-720 | 10 | 182 | 25 | 0.041 |
| | | 720-730 | 10 | 137 | 700 | 0.023 |
| | | 730-740 | 10 | 187 | 40 | 0.025 |
| 716 - 731 | QMP alteration of BGR with disseminated molybdenite and cut by quartz + pyrite + fluorite + molybdenite + wolframite veins. | 740-750 | 10 | 109 | 45 | 0.017 |
| | | 750-760 | 10 | 756 | 30 | 0.074 |
| 731 - 740 | BGR with clay alteration of feldspars and muscovite + pyritic alteration of biotite. | 760-770 | 10 | 375 | 25 | 0.039 |
| | | 770-780 | 10 | 406 | 20 | 0.020 |
| 740 - 770 | BGR with clay alteration of feldspars and minor disseminated molybdenite. | 780-790 | 10 | 64 | 80 | 0.025 |
| | | 790-800 | 10 | 24 | 30 | 0.068 |
| 770 - 790 | BGR with clay alteration of feldspars surrounding QMP veins, muscovite + pyrite alteration of biotite and minor disseminated molybdenite. | 800-810 | 10 | 106 | 5 | 0.142 |
| | | 810-820 | 10 | 33 | 70 | 0.029 |
| 790 - 800 | BGR with minor disseminated molybdenite. | 820-830 | 10 | 49 | 80 | 0.057 |
| | | | | | | |
| 800 - 810 | BGR with muscovite + pyrite alteration of biotite especially around QMP veins. | | | | | |
| 810 - 827 | BGR | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| Property | | PLUTO | District | | | Hole No. | | 82-2 | Hor. Comp. | | | Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet |
|--------------|-------------|--|-----------|--------------|------|-----------|-------|------|-------------|--|--|-------|--------|------------|-------|--------|----------|-------|
| Commenced | | | Location | | | Tests at | | | Vert. Comp. | | | | | | | | | |
| Completed | | | Core Size | | | Corr. Dip | | | Logged by | | | | | | | | | |
| Co-ordinates | | | True Brg. | | | % Recov. | | | Date | | | | | | | | | |
| Objective | | | | | | | | | | | | | | | | | | |
| Footage | Description | Sample No. | Length | Analysis ppm | | | | | | | | | | | | | | |
| From | To | | | Mo | W | %Mo | | | | | | | | | | | | |
| 827 | 832 | MGP alternating discontinuous and near horizontal zones of quartz and k-feldspar and k-feldspar + plagioclase and QMP and pegmate with quartz crystals up to 1 cm. | 830-840 | 10 | 84 | 25 | | | | | | | | | | | | |
| | | | 840-850 | 10 | 106 | 60 | | | | | | | | | | | | |
| | | | 850-860 | 10 | 277 | 6 | 0.025 | | | | | | | | | | | |
| 832 | 833 | MGP | 860-870 | 10 | 566 | 35 | 0.068 | | | | | | | | | | | |
| | | | 870-880 | 10 | 1340 | 50 | 0.142 | | | | | | | | | | | |
| 833 | 834 | MGP banded zone as above. | 880-890 | 10 | 315 | 10 | 0.029 | | | | | | | | | | | |
| | | | 890-900 | 10 | 624 | 2 | 0.057 | | | | | | | | | | | |
| 834 | 840 | MGP with felsic clots and pyrite clots. | 900-910 | 10 | 402 | 12 | 0.043 | | | | | | | | | | | |
| 840 | 841 | Xenolith of BGR with the biotites altered to muscovite + pyrite. The contacts are sharp but irregular. | | | | | | | | | | | | | | | | |
| 841 | 860 | MGP with felsic patches throughout and cut by a 2 cm felsite dyke. | | | | | | | | | | | | | | | | |
| 860 | 890 | MGP with disseminated molybdenite. | | | | | | | | | | | | | | | | |
| 890 | 910 | BGR with disseminated molybdenite. MGP is chilled against BGR. | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | seriate quartz eyes with felsic | | | | | | | | | | | | | | | | |
| | | Porphyry felsic matrix chill | | | | | | | | | | | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| | | | | |
|--------------|-------|-----------|-----------|-------------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | | Location | Tests at | Hor. Comp. |
| Completed | | Core Size | Corr. Dip | Vert. Comp. |
| Co-ordinates | | | True Brg. | Logged by |
| Objective | | | % Recov. | Date |

| Footage From To | Description | Sample No. | Length | Analysis | | | ppm | Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. 82-2 | Sheet 10 |
|--------------------|---|---------------|--------|----------|-----|-------|-----|-------|--------|------------|-------|--------|------------------|-------------|
| | | | | Mo | W | %Mo | | | | | | | | |
| 910 - 915 | BGR | 910-920 | 10 | 71 | 80 | | | | | | | | | |
| | | 920-930 | 10 | 7 | 90 | | | | | | | | | |
| 915 - 916 | MGP dyke with small xenolith of BGR and a 7 cm chill on the lower contact. | 930-940 | 10 | 41 | 160 | | | | | | | | | |
| | | 940-950 | 10 | 10 | 250 | | | | | | | | | |
| 916 - 927 | BGR | 950-960 | 10 | 36 | 80 | 0.071 | | | | | | | | |
| | | 960-970 | 10 | 745 | 40 | 0.060 | | | | | | | | |
| 927 - 948 | MGP The contact is sharp with a core angle of 65° | 970-980 | 10 | 530 | 100 | 0.024 | | | | | | | | |
| | | 980-990 | 10 | 196 | 45 | 0.067 | | | | | | | | |
| 948 - 976 | BGR The contact is obscured by QMP alteration. The first 60 cm of the BGR is cut by zones of MGP. | 990-1000 | 10 | 586 | 4 | 0.013 | | | | | | | | |
| | | 1000-1010 | 10 | 98 | 25 | 0.026 | | | | | | | | |
| | | 1010-1020 | 10 | 259 | 15 | 0.018 | | | | | | | | |
| 976 - 977 | BGR with clay alteration of feldspars (rotten) around a QMP zone. | | | | | | | | | | | | | |
| 977 - 1013 | BGR | | | | | | | | | | | | | |
| 1013 - 1021.5 | Lower Granite Porphyry (LGP). The contact is sharp with a core angle of 50°. | | | | | | | | | | | | | |
| | 30% smokey subhedral quartz averaging ½ mm in size with 10% quartz phenocrysts up to 5 mm in diameter. | | | | | | | | | | | | | |
| | 35% white to buff subhedral k-feldspar with crystals ranging from ½ mm to 3 mm in length and the occasional phenocryst up to 5 mm. | | | | | | | | | | | | | |
| | 30% white to buff subhedral plagioclase with crystals ranging from ½ mm to 3 mm in length and the occasional phenocryst up to 5 mm. | | | | | | | | | | | | | |

Drill Hole Record



Property PLUTO District Hole No. 82-2

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by

Objective % Recov. Date

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.
82-2Sheet
11

| Footage From To | Description | Sample No. | Length | Analysis ppm | | |
|--------------------|--|---------------|--------|--------------|----|-------|
| | | | | Mo | W | %Mo |
| | 5% black biotite flecs 1mm to 3mm in size. | 1020-1030 | 10 | 176 | 20 | 0.018 |
| | | 1030-1040 | 10 | 297 | 15 | 0.039 |
| 1021.5 - 1060 | BGR The contact between BGR and LGP is obscured by a QMP vein. | 1040-1050 | 10 | 277 | 17 | 0.033 |
| | | 1050-1060 | 10 | 58 | 25 | 0.008 |
| 1060 - 1070 | BGR with minor disseminated molybdenite. | 1060-1070 | 10 | 604 | 40 | 0.069 |
| | | 1070-1080 | 10 | 212 | 20 | 0.025 |
| 1070 - 1080 | BGR grading into a more porphyritic phase with 10% k-feldspar phenocrysts and 5% quartz phenocrysts (LGP) | 1080-1090 | 10 | 41 | 4 | |
| | | 1090-1100 | 10 | 45 | 12 | |
| 1080 - 1090 | BGR in places porphyritic (LGP) | 1100-1110 | 10 | 38 | 40 | |
| | | 1110-1120 | 10 | 109 | 80 | |
| | | 1120-1130 | 10 | 3 | 75 | |
| 1090 - 1110 | LGP cut by a 20 cm MGP dyke with a core angle of 50° at 1093'. The dyke is chilled against LGP and has minor disseminated molybdenite. | 1130-1140 | 10 | 48 | 15 | |
| 1110 - 1132 | BGR | | | | | |
| 1132 - 1135 | MGP with disseminated molybdenite and xenoliths of BGR. | | | | | |
| 1135 - 1136 | BGR xenolith. | | | | | |
| 1136 - 1136.5 | MGP | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| Property | PLUTO | District | | Hole No. | 82-2 | Claim | | T Brg. | | Collar Dip | | Elev. | | Length | | Hole No. | 82-2 | Sheet | 12 |
|-----------------|--|------------|--------|--------------|------|-------------|--|--------|--|------------|--|-------|--|--------|--|----------|------|-------|----|
| Commenced | | Location | | Tests at | | Hor. Comp. | | | | | | | | | | | | | |
| Completed | | Core Size | | Corr. Dip | | Vert. Comp. | | | | | | | | | | | | | |
| Co-ordinates | | True Brg. | | Logged by | | | | | | | | | | | | | | | |
| Objective | | % Recov. | | Date | | | | | | | | | | | | | | | |
| Footage | Description | Sample No. | Length | Analysis ppm | | | | | | | | | | | | | | | |
| From To | | | | Mo | W | | | | | | | | | | | | | | |
| 1136.5 - 1137.5 | BGR xenolith. | 1140-1150 | 10 | 9 | 20 | | | | | | | | | | | | | | |
| | | 1150-1160 | 10 | 12 | 70 | | | | | | | | | | | | | | |
| 1137.5 - 1140 | MGP with xenoliths of BGR | 1160-1170 | 10 | 13 | 80 | | | | | | | | | | | | | | |
| | | 1170-1180 | 10 | 33 | 70 | | | | | | | | | | | | | | |
| 1140 - 1158 | Lower Granite Porphyry (LGP) 30% smokey subhedral quartz around 1 mm in diameter with 10% phenocrysts up to 6 mm 45% white to buff subhedral k-feldspar averaging between ½ mm and 1 mm in diameter with 5% phenocrysts up to 6 mm in length. 20% white to buff subhedral plagioclase averaging between ½ mm and 1 mm in diameter with the occasional phenocrysts up to 5 mm. | | | | | | | | | | | | | | | | | | |
| 1158 - 1164 | MGP with minor disseminated molybdenite and the occasional xenolith of BGR. | | | | | | | | | | | | | | | | | | |
| 1164 - 1167 | BGR | | | | | | | | | | | | | | | | | | |
| 1167 - 1168.5 | MGP dyke | | | | | | | | | | | | | | | | | | |
| 1168.5 - 1172.5 | BGR | | | | | | | | | | | | | | | | | | |
| 1172.5 - 1173 | MGP zones | | | | | | | | | | | | | | | | | | |
| 1173 - 1177.5 | BGR | | | | | | | | | | | | | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| Property | | PLUTO | District | Hole No. 82-2 | | Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. 82-2 | Sheet 13 |
|-----------------|--------|---|---------------|---------------|----------|-------|--------|------------|-------|--------|------------------|-------------|
| Commenced | | Location | Tests at | Hor. Comp. | | | | | | | | |
| Completed | | Core Size | Corr. Dip | Vert. Comp. | | | | | | | | |
| Co-ordinates | | True Brg. | Logged by | | | | | | | | | |
| Objective | | % Recov. | Date | | | | | | | | | |
| Footage From | To | Description | Sample No. | Length | Analysis | | ppm | | | | | |
| | | | | | Mo | W | | | | | | |
| 1177.5 | 1178 | MGP zones. | 1180-1190 | 10 | 5 | 16 | | | | | | |
| | | | 1190-1200 | 10 | 4 | 14 | | | | | | |
| 1178 | 1189 | LGP with 10% smokey quartz phenocrysts and a fine grained matrix (½ mm grain size) . | 1200-1210 | 10 | 53 | 10 | | | | | | |
| | | | 1210-1220 | 10 | 10 | 30 | | | | | | |
| 1189 | 1210 | BGR . The contact is irregular but sharp. | 1220-1230 | 10 | 24 | 15 | | | | | | |
| | | | 1230-1240 | 10 | 7 | 1000 | | | | | | |
| 1210 | 1220 | BGR with minor disseminated molybdenite. | 1240-1250 | 10 | 70 | 35 | | | | | | |
| | | | 1250-1260 | 10 | 36 | 15 | | | | | | |
| 1220 | 1230 | BGR | 1260-1270 | 10 | 8 | 65 | | | | | | |
| | | | 1270-1280 | 10 | 9 | 90 | | | | | | |
| 1230 | 1236.5 | BGR with clay alteration of the feldspars. | 1280-1290 | 10 | 4 | 25 | | | | | | |
| | | | | | | | | | | | | |
| 1236.5 | 1245 | QMP alteration of BGR with fluorite, topaz and wolframite. | | | | | | | | | | |
| | | | | | | | | | | | | |
| 1245 | 1270 | BGR with the occasional small zone of LGP. Contacts are sharp and gradational. | | | | | | | | | | |
| | | | | | | | | | | | | |
| 1270 | 1283 | LGP The contact is gradational. | | | | | | | | | | |
| | | | | | | | | | | | | |
| 1283 | 1285 | Fine grained, slightly porphyritic aplitic zone. The contacts are irregular and gradational over 1 cm. | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Drill Hole Record



| Property | PLUTO | District | | Hole No. | 82-2 | Claim | | T Brg. | | Collar Dip | | Elev. | | Length | | Hole No. | 82-2 |
|--------------------|---|---------------|--------|-----------------|------|-------------|--|--------|--|------------|--|-------|--|--------|--|----------|------|
| Commenced | | Location | | Tests at | | Hor. Comp. | | | | | | | | | | | |
| Completed | | Core Size | | Corr. Dip | | Vert. Comp. | | | | | | | | | | | |
| Co-ordinates | | | | True Brg. | | Logged by | | | | | | | | | | | |
| Objective | | | | % Recov. | | Date | | | | | | | | | | | |
| Footage From To | Description | Sample No. | Length | Analysis ppm | | | | | | | | | | | | | |
| | | | | Mo | W | | | | | | | | | | | | |
| 1285 - 1290 | LGP | 1290-1300 | 10 | 3 | 200 | | | | | | | | | | | | |
| | | 1300-1310 | 10 | 2 | 30 | | | | | | | | | | | | |
| 1290 - 1309 | BGR | 1310-1320 | 10 | 9 | 27 | | | | | | | | | | | | |
| | | 1320-1330 | 10 | 33 | 35 | | | | | | | | | | | | |
| 1309 - 1408 | Siliceous Granite (SGR) The contact is gradational. | 1330-1340 | 10 | 10 | 100 | | | | | | | | | | | | |
| | 40% light grey anhedral quartz with an average grain size of ¼ mm in diameter with | 1340-1350 | 10 | 11 | 15 | | | | | | | | | | | | |
| | the occasional quartz phenocryst up to 5 mm. | 1350-1360 | 10 | 33 | 12 | | | | | | | | | | | | |
| | 40% light grey to buff anhedral equalgranular k-feldspar with an average grain size | 1360-1370 | 10 | 11 | 16 | | | | | | | | | | | | |
| | of ¼ mm in diameter. | 1370-1380 | 10 | 123 | 10 | | | | | | | | | | | | |
| | 18% light grey to buff anhedral plagioclase with an average grain size of ¼ mm in | 1380-1390 | 10 | 22 | 10 | | | | | | | | | | | | |
| | diameter. | 1390-1400 | 10 | 42 | 40 | | | | | | | | | | | | |
| | 2% biotite flecs up to 2 mm in size. | 1400-1410 | 10 | 46 | 12 | | | | | | | | | | | | |
| | trace pyrite. | 1410-1420 | 10 | 73 | 17 | | | | | | | | | | | | |
| | | 1420-1430 | 10 | 66 | 15 | | | | | | | | | | | | |
| 1408 - 1410 | SGR with some minor layering and disseminated molybdenite. | 1430-1440 | 10 | 25 | 30 | | | | | | | | | | | | |
| 1410 - 1414 | SGR | | | | | | | | | | | | | | | | |
| 1414 - 1440 | LGP SGR contains xenoliths of LGP near the contact and is slightly chilled against LGP. | | | | | | | | | | | | | | | | |
| | Quartz crystals up to ½ cm grow along the border of one of the xenoliths. | | | | | | | | | | | | | | | | |
| | 40% light grey subhedral quartz with a range of grain sizes from 1 mm to 5 mm. | | | | | | | | | | | | | | | | |
| | 35% buff subhedral k-feldspar with a range of grain sizes from 1 mm to 5 mm. | | | | | | | | | | | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| Property | | District | Hole No. | | 82-2 | | Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet |
|--------------|-------------|--|-----------|-----------|-------------|-----|-------|--------|------------|-------|--------|----------|-------|
| Commenced | | Location | Tests at | | Hor. Comp. | | | | | | | | |
| Completed | | Core Size | Corr. Dip | | Vert. Comp. | | | | | | | | |
| Co-ordinates | | True Brg. | | Logged by | | | | | | | | | |
| Objective | | % Recov. | | Date | | | | | | | | | |
| Footage | Description | Sample No. | Length | Analysis | | ppm | | | | | | | |
| From | To | | | Mo | W | | | | | | | | |
| 1414 | 1440 | 20% buff, subhedral plagioclase ranging in size from 1 mm to 5 mm. | 1440-1450 | 10 | 30 | 25 | | | | | | | |
| (cont'd) | | 5% biotite flecs up to 2 mm. | 1450-1460 | 10 | 22 | 13 | | | | | | | |
| | | trace pyrite. | 1460-1470 | 10 | 8 | 12 | | | | | | | |
| | | | 1470-1480 | 10 | 14 | 15 | | | | | | | |
| 1440 | 1460 | LGP with some clay alteration of feldspars and patchy muscovite + pyrite alteration of biotite (bleached zones). | 1480-1490 | 10 | 3 | 18 | | | | | | | |
| | | | 1490-1500 | 10 | 50 | 5 | | | | | | | |
| 1460 | 1477 | LGP | | | | | | | | | | | |
| 1477 | 1511 | SGR The contact is gradational. | | | | | | | | | | | |
| 1511 | 1530 | LGP The contact is gradational. | | | | | | | | | | | |
| 1530 | 1540 | LGP with the biotites altered to muscovite + pyrite around some QMP veins. | | | | | | | | | | | |
| 1540 | 1575 | LGP | | | | | | | | | | | |
| 1575 | 1575.5 | SGR zone. | | | | | | | | | | | |
| 1575.5 | 1610 | LGP | | | | | | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| Property | PLUTO | District | | Hole No. | 82-2 | Claim | | T Brg. | | Collar Dip | | Elev. | | Length | | Hole No. | 82-2 | Sheet | 16 |
|--------------|-------------|---|------------|-----------|--------------|-------------|--|--------|--|------------|--|-------|--|--------|--|----------|------|-------|----|
| Commenced | | Location | | Tests at | | Hor. Comp. | | | | | | | | | | | | | |
| Completed | | Core Size | | Corr. Dip | | Vert. Comp. | | | | | | | | | | | | | |
| Co-ordinates | | True Brg. | | Logged by | | | | | | | | | | | | | | | |
| Objective | | % Recov. | | Date | | | | | | | | | | | | | | | |
| Footage | Description | | Sample No. | Length | Analysis ppm | | | | | | | | | | | | | | |
| From | To | | | | Mo | W | | | | | | | | | | | | | |
| 1610 | 1625 | LGP with biotites altered to muscovite + pyrite around some QMP veins and two 1 cm felsic zones with quartz + molybdenite rims and core angles of 70°. | 1600-1610 | 10 | 5 | 15 | | | | | | | | | | | | | |
| | | | 1650-1660 | 10 | 8 | 20 | | | | | | | | | | | | | |
| | | | 1700-1710 | 10 | 9 | 8 | | | | | | | | | | | | | |
| 1625 | 1650 | LGP with the biotites altered to muscovite + pyrite and minor disseminated molybdenite. | 1800-1810 | 10 | 77 | 10 | | | | | | | | | | | | | |
| | | | 1860-1870 | 10 | 175 | 3 | | | | | | | | | | | | | |
| 1650 | 1680 | LGP with patchy muscovite + pyrite alteration of biotite. | | | | | | | | | | | | | | | | | |
| 1680 | 1720 | LGP. | | | | | | | | | | | | | | | | | |
| 1720 | 1725 | Gradational contact into Crowded LGP and back into LGP. | | | | | | | | | | | | | | | | | |
| 1725 | 1780 | LGP | | | | | | | | | | | | | | | | | |
| 1780 | 1810 | LGP with biotites altered to muscovite + pyrite and cut by a 10 cm aplite dyke with a core angle of 75° and also cut by a quartz + k-feldspar + beryl pegmatite vein 2 cm wide with a core angle of 5°. | | | | | | | | | | | | | | | | | |
| 1810 | 1862 | LGP. | | | | | | | | | | | | | | | | | |

Drill Hole Record



| Property | | District | Hole No. | | | Claim | | | | | | | | | | | |
|--------------|--------|---|------------|-------------|----------|-------|-----|--|-------|--------|----------|-------|--|--|--|--|--|
| PLUTO | | | 82-2 | | | | | | | | | | | | | | |
| Commenced | | Location | Tests at | Hor. Comp. | | | | | | | | | | | | | |
| Completed | | Core Size | Corr. Dip | Vert. Comp. | | | | | | | | | | | | | |
| Co-ordinates | | True Brg. | Logged by | | | | | | | | | | | | | | |
| Objective | | % Recov. | Date | | | | | | | | | | | | | | |
| Footage | | Description | Sample No. | Length | Analysis | | ppm | | Elev. | Length | Hole No. | Sheet | | | | | |
| From | To | | | | Mo | W | | | | | | | | | | | |
| 1862 | 1868.5 | Aplite dyke (SGR?). Banded at upper contact with alternating bands of felsic and more siliceous material. | 1900-1910 | 10 | 6 | 25 | | | | | | | | | | | |
| | | | 1940-1950 | 10 | 21 | 20 | | | | | | | | | | | |
| | | | 2000-2010 | 10 | 140 | 30 | | | | | | | | | | | |
| 1868.5 | 1907 | LGP | 2030-2040 | 10 | 10 | 30 | | | | | | | | | | | |
| | | | 2060-2070 | 10 | 30 | 80 | | | | | | | | | | | |
| 1907 | 1909 | LGP becoming finer grained and less porphyritic. This might be a chilling feature. | 2100-2110 | 10 | 14 | 35 | | | | | | | | | | | |
| | | | 2200-2210 | 10 | 10 | 20 | | | | | | | | | | | |
| 1909 | 1912 | BGR The contact is gradational over 2 cm. | 2300-2310 | 10 | 2 | 18 | | | | | | | | | | | |
| | | 20% light grey subhedral quartz with an average grain size of ½ mm to 1 mm with the occasional quartz phenocryst up to 4 mm in diameter. | | | | | | | | | | | | | | | |
| | | 40% white subhedral k-feldspar with an average grain size of ½ mm to 1 mm. | | | | | | | | | | | | | | | |
| | | 35% white subhedral plagioclase with an average grain size of ½ mm to 1 mm. | | | | | | | | | | | | | | | |
| | | 5% biotite flecs averaging ½ mm in size. | | | | | | | | | | | | | | | |
| 1912 | 1914 | Bleached BGR The biotite is altered to muscovite + pyrite. | | | | | | | | | | | | | | | |
| 1914 | 1930 | BGR with patchy alteration of biotite to muscovite + pyrite and disseminated molybdenite associated with the muscovite + pyrite alteration. There is also the occasional porphyritic clot resembling the LGP with sharp irregular contacts. | | | | | | | | | | | | | | | |

Scale

Colour Plot
& Dips

Drill Hole Record



| | | | | |
|--------------|-------|-----------|-----------|-------------|
| Property | PLUTO | District | Hole No. | 82-2 |
| Commenced | | Location | Tests at | Hor. Comp. |
| Completed | | Core Size | Corr. Dip | Vert. Comp. |
| Co-ordinates | | | True Brg. | Logged by |
| Objective | | | % Recov. | Date |

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.

82-2

Sheet

19

| Footage | | Description | Sample No. | Length | Analysis | | | | | |
|---------|------|--|------------|--------|----------|--|--|--|--|--|
| From | To | | | | | | | | | |
| 2040 | 2060 | LGP | | | | | | | | |
| 2060 | 2070 | LGP with bleached zones and disseminated molybdenite around QMP veins. | | | | | | | | |
| 2070 | 2102 | LGP with 90% of the biotites altered to muscovite + pyrite and minor disseminated molybdenite. | | | | | | | | |
| 2102 | 2108 | Unaltered LGP | | | | | | | | |
| 2108 | 2131 | LGP with 90% of the biotites altered to muscovite + pyrite. | | | | | | | | |
| 2131 | 2135 | Unaltered LGP | | | | | | | | |
| 2135 | 2150 | LGP with 90% of the biotites altered to muscovite + pyrite and minor disseminated molybdenite. | | | | | | | | |
| 2150 | 2180 | LGP with all the biotites altered to muscovite + pyrite. | | | | | | | | |
| 2180 | 2200 | LGP with about 60% of the biotites altered to muscovite + pyrite. | | | | | | | | |
| 2200 | 2229 | Unaltered LGP. | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |


EXHIBIT "A"

STATEMENT OF EXPENDITURES

FOR THE PERIOD 26 JUNE TO 9 JULY 1982

Direct Drilling Costs \$72,024.00

Contractor: Caron Diamond Drilling Ltd.
7 Roundel Road,
Whitehorse, Yukon
Y1A 3H3


I.A. Paterson
Project Geologist

COMINCO LTD.

EXPLORATION

NTS: 116 C/8

WESTERN DISTRICT

22 NOVEMBER 1982

EXHIBIT "B"

PLUTO GROUP

DAWSON M.D., Y.T.

STATEMENT OF QUALIFICATIONS

I, Ian A. Paterson, with business address at 700 - 409 Granville Street, Vancouver, British Columbia, do hereby certify that I have supervised the field work and have assessed and interpreted the data resulting from this diamond drilling programme on the Pluto Mineral claims.

I also certify that:

- 1) I graduated from the University of Aberdeen, Scotland with a B.Sc (Hons.) degree in 1967.
- 2) I graduated from the University of British Columbia with a Ph.D degree in 1973.
- 3) I am a registered Professional Engineer of the Province of British Columbia, a Fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.
- 4) I have been engaged in my profession since my graduation in 1973.
- 5) I have been employed by Cominco Ltd. since 1974.

Respectfully Submitted:

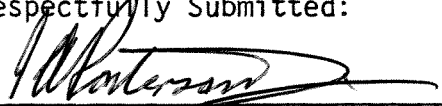

I.A. Paterson,
Project Geologist.

EXHIBIT "C"


IN THE MATTER OF THE ACT RESPECTING QUARTZ MINING IN THE YUKON TERRITORY AND
IN THE MATTER OF A DIAMOND DRILLING PROGRAMME CARRIED OUT IN PORTIONS OF THE
PLUTO MINERAL CLAIMS LOCATED 54 KM NORTHWEST OF THE TOWN OF DAWSON IN THE
DAWSON MINING DIVISION OF THE YUKON TERRITORY.

S T A T E M E N T

I, Ian A. Paterson of the City of Vancouver in the Province of British
Columbia, make oath and say:

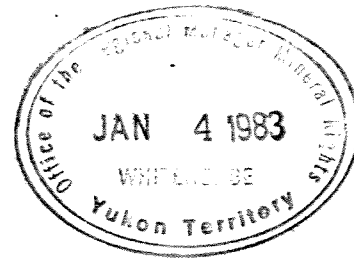
1. THAT I am employed as a geologist by Cominco and, as such, have
personal knowledge of the facts to which I hereinafter depose;
2. THAT included in this report and marked as Exhibit "A" is a true
copy of expenditures incurred on a diamond drilling programme on
the Pluto mineral claims;
3. THAT the said expenditures were incurred between the 26th of June and
the 9th of July 1982 for the purpose of mineral exploration on the
above claims;
4. THAT the diamond drill core for holes 82-2 is stored at the cleared
campsite at 12+00N on the baseline near DDH 81-3

Dated this 22 day of March 1982,
at Vancouver, British Columbia


I.A. Paterson
Project Geologist

FROM Mining Recorder at Dawson

TO Supervising Mining Recorder at Whitehorse, Y.T.



FOR ACTION ARE:

- NEW APPL'N for PLACER LEASE to PROSPECT: Name: _____
- RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: _____ Lease No. _____
- AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name _____ Lease No. _____
- ASSIGNMENT of PLACER LEASE No. _____
From: _____ To: _____
- GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.
Owner: _____
- DIAMOND DRILL LOGS:
Claims: _____ Claim sheet no _____
- QUARTZ ASSESSMENT REPORT
Claims: Plots 1-74
Plots 76-166
Type of report: Drilling
Submitted by: Cominco
7th Floor, 409 Granville
Vancouver, B.C.
Cis. work performed on: _____
Plots 26
YA 32637
\$ Req. for ren. application 66,000

Signature BJ Roudot

REPLY ACTION

Date Ret. _____

031598

Signature _____

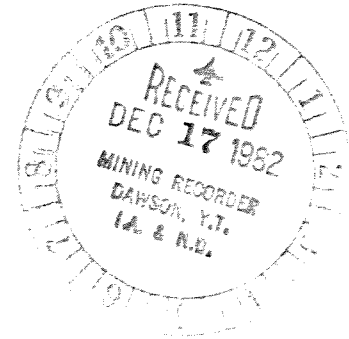


REGISTERED

Exploration

Mrs. B.J. Proudfoot
Mining Recorder
Box 249,
Dawson City, Yukon

December 14, 1982



Dear Mrs. Proudfoot:

In reference to our telephone conversation of December 13, 1982, please find enclosed copies of the invoices from Caron Diamond Drilling Ltd. You will note that we have not claimed all the drilling costs incurred on this property. We have only claimed work credits for the monies spent on drilling Hole 82-2/90/NQ.

| | |
|-------------------------------|------------------|
| Invoice #1196 - June 30, 1982 | \$28,080.00 |
| Invoice #1211 - July 16, 1982 | <u>43,944.00</u> |
| | \$72,024.00 |

We hope this information is sufficient. Season's Greetings!

Yours truly,

A handwritten signature in cursive script that reads 'S.A. Weller'.

S.A. Weller,
Records Technician,
Exploration,
Western District

Encls.

SAW/1s



June 30, 1982

Invoice #- 1196

IN ACCOUNT WITH:

Cominco Limited,
200 Granville Square,
Suite 2300,
Vancouver, B.C.
V6C 2R2

Drilling Charges June 16 - 30, 1982: (Pluto)

Hole 82-1/90/NQ

Reaming Cave

| | | | |
|-------------|--------------------|------------|----------|
| 2 man hrs. | @ \$ 27.00 per hr. | = \$ 54.00 | |
| 1 mach. hr. | @ \$ 18.50 per hr. | = \$ 18.50 | \$ 72.50 |

Mud Time

| | | | |
|--------------|--------------------|-------------|-----------|
| 12 man hrs. | @ \$ 27.00 per hr. | = \$ 324.00 | |
| 6 mach. hrs. | @ \$ 18.50 per hr. | = \$ 111.00 | \$ 435.00 |

Coring

| | | | |
|-----------------------|--------------------|---------------|-------------|
| 707 - 1000 = 293 ft. | @ \$ 25.50 per ft. | = \$ 7,471.50 | |
| 1000 - 1500 = 500 ft. | @ \$ 27.50 per ft. | = \$13,750.00 | |
| 1500 - 2000 = 500 ft. | @ \$ 31.00 per ft. | = \$15,500.00 | |
| 2000 - 2247 = 247 ft. | @ \$ 35.00 per ft. | = \$ 8,645.00 | \$45,366.50 |
| | | | \$45,874.00 |

Hole 82-2/90/NQ

Moving

| | | | |
|--------------|--------------------|---|-------------|
| 144 man hrs. | @ \$ 27.00 per hr. | = | \$ 3,888.00 |
|--------------|--------------------|---|-------------|

Casing

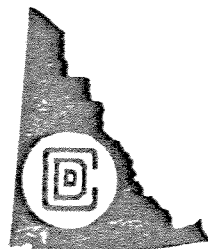
| | | | |
|--------------|--------------------|-------------|-----------|
| 6 man hrs. | @ \$ 27.00 per hr. | = \$ 162.00 | |
| 3 mach. hrs. | @ \$ 18.50 per hr. | = \$ 55.50 | \$ 217.50 |

Reaming Cave

| | | | |
|--------------|--------------------|-------------|-----------|
| 4 man hrs. | @ \$ 27.00 per hr. | = \$ 108.00 | |
| 2 mach. hrs. | @ \$ 18.50 per hr. | = \$ 37.00 | \$ 145.00 |

Travelling Time

| | | | |
|-------------|--------------------|---|-----------|
| 16 man hrs. | @ \$ 27.00 per hr. | = | \$ 432.00 |
|-------------|--------------------|---|-----------|





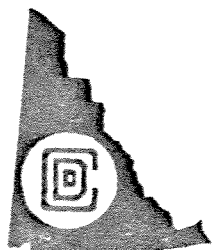
E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-B-337

| | | | | | |
|--|--------------------|---|--------------------|--------------------|--|
| <u>Casing</u> | | | | | |
| 0 - 10 = 10 ft. | @ \$ 32.00 per ft. | = | \$ 320.00 | | |
| <u>Coring</u> | | | | | |
| 10 - 915 = 905 ft. | @ \$ 25.50 per ft. | = | <u>\$23,077.50</u> | <u>\$28,080.00</u> | |
| <u>Items Consumed & Chargeable</u> | | | | | |
| 16 boxes Quik-Trol | @ \$125.00 each | = | \$ 2,000.00 | | |
| 1 box Poly-Trol | @ \$136.50 each | = | <u>\$ 136.50</u> | \$ 2,136.50 | |
| | + 15% | = | <u>\$ 320.47</u> | <u>\$ 2,456.97</u> | |

Total Invoice: \$76,410.97





July 16, 1982

Invoice #- 1211

IN ACCOUNT WITH:

Cominco Limited,
200 Granville Street,
Suite 2300,
Vancouver, B.C.
V6C 2R2

Drilling Charges July 1 to 16, 1982: (Pluto)

Hole 82-2/90/NQ

Reaming Cave

| | | | |
|------------------------|--------------------|-------------|-----------|
| 6 man hrs. | @ \$ 27.00 per hr. | = \$ 162.00 | |
| 3 mach. hrs. | @ \$ 18.50 per hr. | = \$ 55.50 | \$ 217.50 |
| <u>Travelling Time</u> | | | |
| 32 man hrs. | @ \$ 27.00 per hr. | = | \$ 864.00 |

Coring

| | | | |
|-----------------------|--------------------|---------------|--------------------|
| 915 - 1000 = 85 ft. | @ \$ 25.50 per ft. | = \$ 2,167.50 | |
| 1000 - 1500 = 500 ft. | @ \$ 27.50 per ft. | = \$13,750.00 | |
| 1500 - 2000 = 500 ft. | @ \$31.00 per ft. | = \$15,500.00 | |
| 2000 - 2327 = 327 ft. | @ \$ 35.00 per ft. | = \$11,445.00 | |
| | | | <u>\$42,862.50</u> |
| | | | <u>\$43,944.00</u> |

Hole 82-3/70/NQ

Moving & Demobilization

268 man hrs. @ \$ 27.00 per hr. = \$ 7,236.00

Casing

| | | | |
|--------------|--------------------|-------------|-----------|
| 6 man hrs. | @ \$ 27.00 per hr. | = \$ 162.00 | |
| 3 mach. hrs. | @ \$ 18.50 per hr. | = \$ 55.50 | \$ 217.50 |

Standby

8 man hrs. @ \$ 27.00 per hr. = \$ 216.00

Travelling

36 man hrs. @ \$ 27.00 per hr. = \$ 972.00

Truck Time

8 truck hrs. @ \$ 45.00 per hr. = \$ 360.00

Casing

0 - 10 = 10 ft. @ \$ 32.00 per ft. = \$ 320.00

Coring

10 - 642 = 632 ft. @ \$ 25.50 per ft. = \$16,116.00 \$25,437.50

Pal





Mud

Prepaid pallet of mud
from Frontier Freightlines

July 7, 1982

= \$ 217.50

June 28, 1982 2 pallets

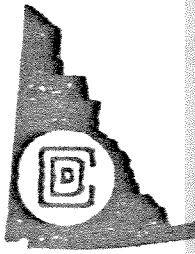
= \$ 435.00 \$ 652.50

Lumber

left on property

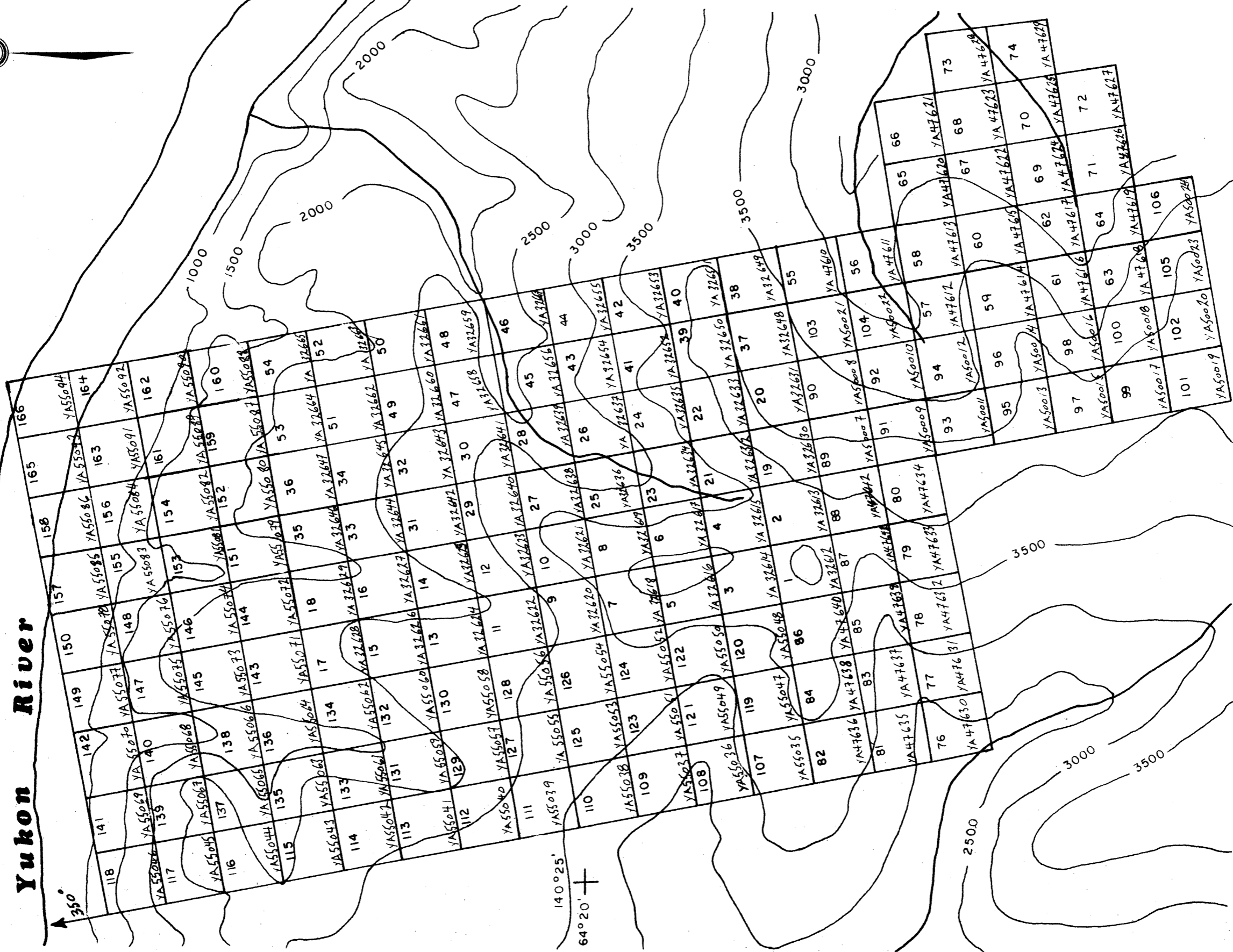
= \$ 402.50 \$ 1,055.00

Total Invoice: \$70,436.50





Yukon River



PLUTO CLAIMS

NTS 116 C/8



| | | | |
|------------|------|----------------|------|
| Drawn by: | | Traced by: DCC | |
| Revised by | Date | Revised by | Date |
| | | | |
| | | | |
| | | | |
| | | | |

CLAIM MAP: Claims 1-166

091398

Scale: 1" = 1/2 mile

Date: 3/10/80

Plate: **3**