



010

DIAMOND DRILLING

TOWNSHIP: HOBLITZELL

REPORT NO: 18

WORK PERFORMED FOR: Newmont Explor. of Canada Ltd.

RECORDED HOLDER: Same as above [xx]  
: Other [ ]

| <u>Claim No.</u>       | <u>Hole No.</u> | <u>Footage</u>   | <u>Date</u> | <u>Note</u> |
|------------------------|-----------------|------------------|-------------|-------------|
| L 628626<br>& L 628627 | 261-87-1        | 285.6m           | Jan/87      | (1)         |
| L 628627               | 261-87-2        | 178.92m          | Jan/87      | (1)         |
| L 628612<br>& 628613   | 261-87-3        | 163.68m          | Jan/87      | (1)         |
| L 628608<br>& L 628609 | 261-87-4        | 151.49m          | Feb/87      | (1)         |
| L 628611<br>& L 628612 | 261-87-5        | 330.71m          | Feb/87      | (1)         |
| L 628628<br>& L 628629 | 261-87-6        | 274.93m          | Mar/87      | (1)         |
| L 628608<br>& 628609   | 261-87-7        | 240.79m          | Mar/87      | (1)         |
| L 628660               | 261-87-8        | 198.80m          | Mar/87      | (1)         |
|                        |                 | <u>1824.92 m</u> |             |             |

NOTES: (1) #379-87, filed in Mar/88

"GOLDEN SHIELD PROJECT"

TABLE I

LOCATION OF DRILL HOLES BY CLAIM

| HOLE #   | CLAIM # | FOOTAGE            |
|----------|---------|--------------------|
| 261-87-1 | 628626  | 120.00m (394')     |
|          | 628627  | 165.60m (543')     |
| 261-87-2 | 628627  | 178.92m (587')     |
| 261-87-3 | 628612  | 129.50m (425')     |
|          | 628613  | 34.18m (112')      |
| 261-87-4 | 628608  | 108.49m (356')     |
|          | 628609  | 43.00m (141')      |
| 261-87-5 | 628611  | 127.00m (417')     |
|          | 628612  | 203.71m (668')     |
| 261-87-6 | 628628  | 248.50m (815')     |
|          | 628629  | 26.43m (087')      |
| 261-87-7 | 628608  | 43.79m (144')      |
|          | 628609  | 197.00m (646')     |
| 261-87-8 | 628660  | 198.80m (652')     |
|          | TOTAL   | = 1824.92m (5987') |

TABLE II

DISTRIBUTION OF FOOTAGE BY CLAIM

| CLAIM # | TOTAL FOOTAGE   | DAYS   |
|---------|-----------------|--------|
| 628626  | 120.00m (0394') | 394    |
| 628627  | 344.52m (1130') | 1130   |
| 628628  | 248.50m (0815') | 815    |
| 628629  | 26.43m (0087')  | 87     |
| 628608  | 152.28m (0500') | 500    |
| 628609  | 240.00m (0787') | 787    |
| 628611  | 127.00m (0417') | 417    |
| 628612  | 333.21m (1093') | 1093   |
| 628613  | 34.18m (0112')  | 112    |
|         | TOTAL           | = 5987 |

DRILL SECTION DDH 261-87-1

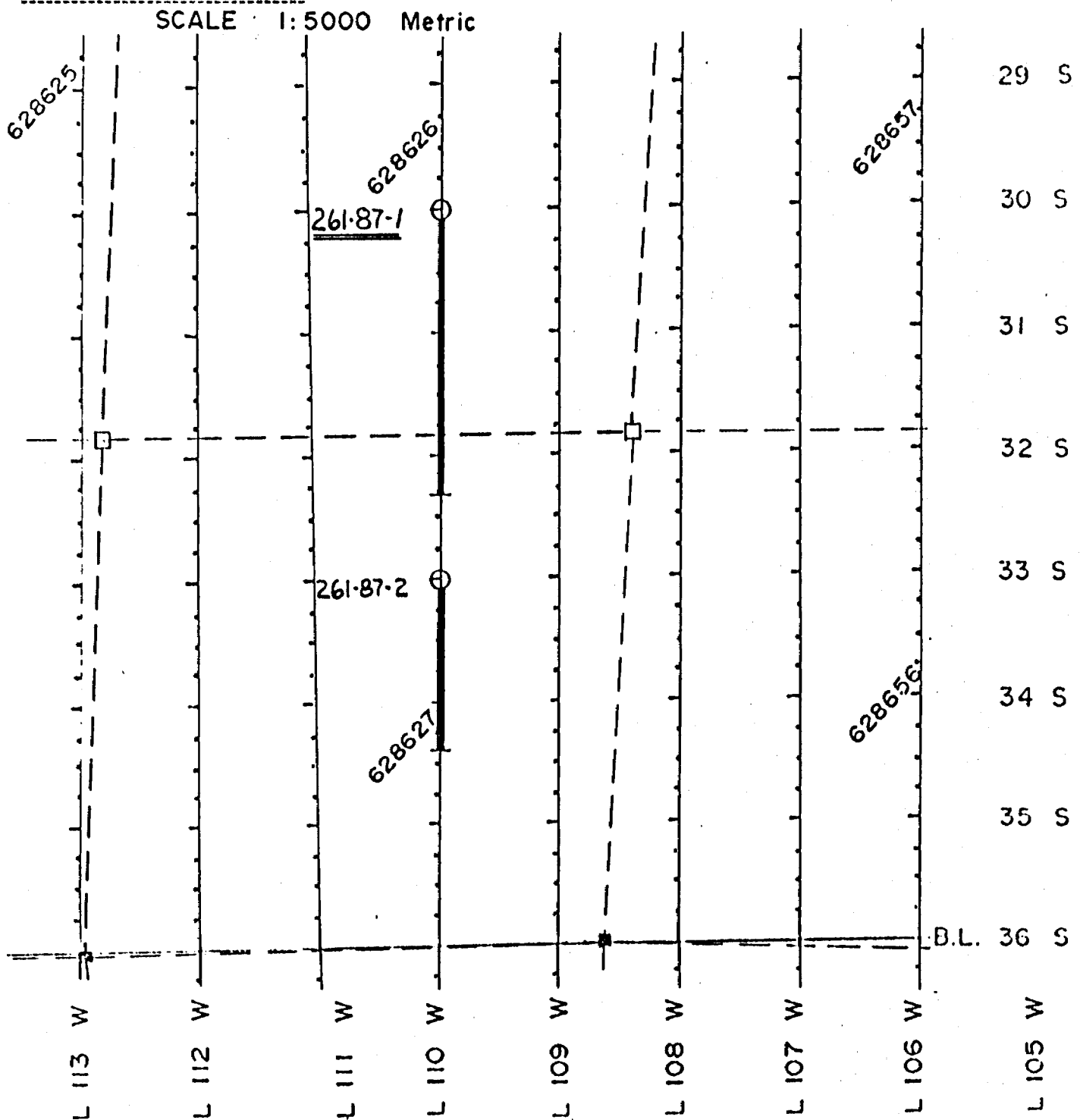
-see end of DDH 261-87-2

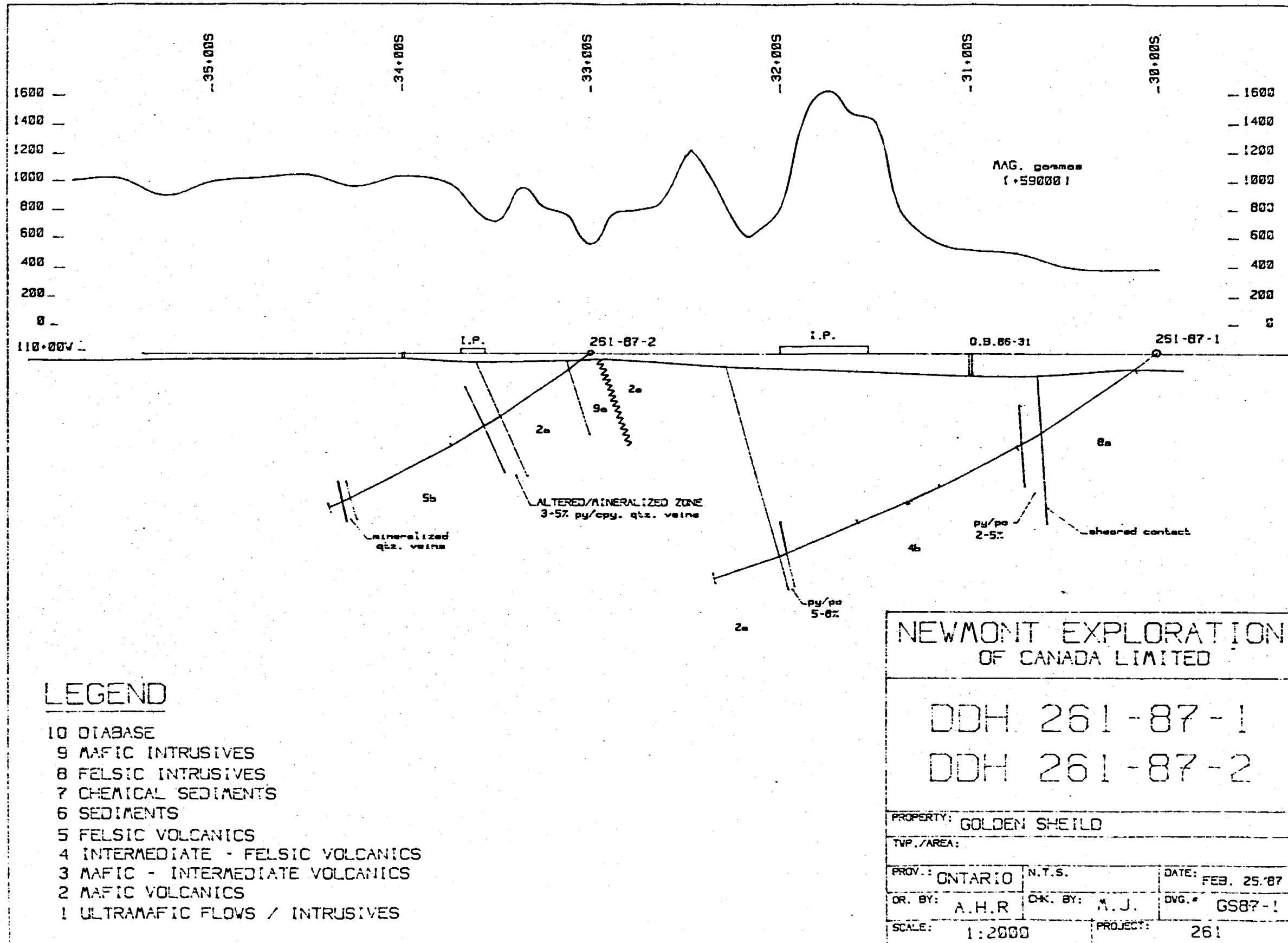
DIAMOND DRILL HOLE RECORD

Hole No 261-87-1

| Location    | Dip Test   | level   | Horizontal Component | 234                | Date Started | 14/01/87      |                    |
|-------------|------------|---------|----------------------|--------------------|--------------|---------------|--------------------|
| Area or Twp | MOBLITZELL | Footage | Angle                | Vertical Component | 158          | Date Finished | 22/01/87           |
| Claim No    | 628626,7   | 151.49  | 34                   | Elevation          |              | Logged By:    | M.I. JONES         |
| NTS         | 32E5       | 285.6   | 25                   | Latitude           | 30+00S       | Purpose       | geological section |
|             |            |         |                      | Departure          | 110+00W      | Recovery      | 99%                |
|             |            |         |                      | Core Loc           | TIMMINS      | Drilled By:   | HEATH/SHERWOOD     |

Diamond Drill Hole Location Sketch





**LEGEND**

- 10 DIABASE
- 9 MAFIC INTRUSIVES
- 8 FELSIC INTRUSIVES
- 7 CHEMICAL SEDIMENTS
- 6 SEDIMENTS
- 5 FELSIC VOLCANICS
- 4 INTERMEDIATE - FELSIC VOLCANICS
- 3 MAFIC - INTERMEDIATE VOLCANICS
- 2 MAFIC VOLCANICS
- 1 ULTRAMAFIC FLOWS / INTRUSIVES

|  |               |                   |
|--|---------------|-------------------|
| NEWMONT EXPLORATION<br>OF CANADA LIMITED |               |                   |
| DDH 261-87-1                             |               |                   |
| DDH 261-87-2                             |               |                   |
| PROPERTY: GOLDEN SHEILD                  |               |                   |
| TWP./AREA:                               |               |                   |
| PROV.: ONTARIO                           | N.T.S.        | DATE: FEB. 25 '87 |
| DR. BY: A.H.R                            | CHK. BY: M.J. | DWG.# GS87-1      |
| SCALE: 1:2000                            | PROJECT: 261  |                   |

| FROM  | TO     | SUB | DESCRIPTION  | ANG SULF |
|-------|--------|-----|--|----------|
| 0.00  | 16.46  |     | CASING ,   |          |
| 16.46 | 81.70  |     | GRANITE ,<br>purplish grey colour ,<br>patchy appearance ,<br>seriate texture ,<br>minor feldspar phenocrysts observed quartz phenos also<br>up to 0.5 cm ,<br>biotite common ,<br>weak chlorite alteration ,<br>weak sericite alteration ,<br>pervasive hematization ,<br>shearing common ,<br>core is broken ,<br>foliations at indicated angle to core axis , | 48       |
| 42.90 | 43.40  |     | ground core ,  |          |
| 45.40 | 46.10  |     | ground core ,  |          |
| 56.50 | 57.50  |     | bleaching as patches/envelopes ,<br>weak sericite alteration ,<br>associated with sheared, veined zone ,<br>1-2% pyrite ,<br>tourmaline ,<br>minor quartz-ankerite veining ,<br>muscovite in veinlets, coarse grained ,  |          |
| 59.90 | 63.04  |     | purplish red ,<br>rock fine grained matrix ,<br>porphyritic texture quartz ,   |          |
| 62.30 | 63.09  |     | ground core ,  |          |
| 73.62 | 75.31  |     | BASALT TUFF ,  |          |
| 75.31 | 81.70  |     | grey ,<br>chill margin ,   |          |
| 81.70 | 247.72 |     | INTERMEDIATE TUFF ,<br>green to grey ,<br>well foliated ,<br>mild deformation ,<br>rock fine grained ,<br>foliations at indicated angle to core axis ,   | 55       |
|       | 90.00  |     | moderate sericite alteration ,<br>weak chlorite alteration ,<br>alteration occurs in patchy clots ,<br>2-3% pyrite ,<br>as disseminated lenses along foliation ,   |          |

| FROM   | TO     | SUB   | DESCRIPTION   | ANB SULF |
|--------|--------|---|---|----------|
|        |        |   | associated with quartz veins ,<br>Quartz veinlets abundant ,<br>bleached envelopes to veins/fractures ,<br>rock has patchy appearance ,<br>lapilli common ?-felsic fragments ,<br>quartz eyes common ,<br>in clasts and matrix, bluish ,<br>quartz eyes seem to suggest that this is not a ,<br>lapilli tuff, by their pervasive nature ,<br>porphyroblastic ? ,<br>Calcite veinlets common biotite clots common ,<br>garnetiferous ,<br>locally disseminated brown garnets, associated ,<br>with chloritic intervals , |          |
| 95.27  | 101.20 | GRANITE ,<br>chill margin ,<br>fine to medium grained ,   |   |          |
|        | 95.27  | contact at indicated angle to core axis ,<br>Quartz veinlets abundant ,<br>muscovite ,<br>patchy hematization ,<br>1-2% pyrite ,  |   | 62       |
| 101.20 | 117.10 | rock is homogeneous, massive ,<br>well foliated ,<br>Quartz veinlets abundant disrupts foliation ,<br>moderate chlorite alteration ,<br>moderate sericite alteration ,<br>moderate biotite alteration ,<br>1-2% pyrite ,  |   |          |
|        | 103.50 | foliations at indicated angle to core axis ,  |   | 79       |
|        | 107.10 | pyrite bnd@ ,   |   | 74       |
| 110.53 | 113.74 | moderate biotite alteration ,<br>pervasive sericite alteration ,  |   |          |
| 111.25 | 111.50 | pervasive bleaching ,<br>3-5% pyrite as large blebs ,<br>moderate deformation ,   |   |          |
| 113.74 | 114.77 | moderate chlorite alteration ,<br>moderate biotite alteration ,<br>pervasive sericite alteration ,  |   |          |
| 114.77 | 117.10 | moderate biotite alteration ,<br>pervasive sericite alteration ,<br>sulphides 5 to 10% ,<br>pyrite and pyrrhotite as large blebs ,<br>pervasive bleaching ,<br>strongly deformed ,<br>moderate silicification lower half ,<br>rock is sericite-biotite schist , |   |          |
| 117.10 | 183.70 | rock is homogeneous, massive green ,<br>green ,   |   |          |

| FROM   | TO     | SUB    | DESCRIPTION  | ANG BULF |
|--------|--------|--------|--|----------|
|        |        |        | well foliated ,<br>rock weakly magnetic ,<br>Quartz carbonate veining ,<br>biotite in veinlets ,<br>sericite/biotite decrease downhole, chlorite ,<br>weak calcite alteration ,<br>muscovite in quartz veins ,<br>bleached envelopes to veins/fractures ,<br>1-2% pyrite ,<br>pyrite as fine grained disseminations ,<br>chalcopryite 1%, as blebs in veinlets , |          |
| 145.39 | 151.49 |        | Quartz veinlets abundant with feldspar ,<br>tourmaline ,<br>2-3% pyrite as large blebs ,<br>bleached envelopes to veins/fractures ,<br>moderate biotite alteration ,<br>grey ,   |          |
|        |        | 164.00 | foliations at indicated angle to core axis ,   | 60       |
| 174.50 | 176.40 |        | garnetiferous ,<br>moderate chlorite alteration ,<br>Quartz veinlets abundant ,<br>1-2% pyrite ,   |          |
| 183.17 | 225.90 |        | lapilli common ?-patchy appearance ,<br>grey clasts -siliceous? ,<br>hornblende green crystals ,<br>porphyroblastic ? ,<br>rock weakly magnetic ,<br>garnetiferous locally ,<br>1-2% pyrite ,<br>Quartz carbonate veining with muscovite ,<br>section appears highly metamorphosed ,   |          |
| 214.45 | 214.84 |        | sheared and brecciated ,<br>gouge-fault zone ,<br>Quartz carbonate veining ,   |          |
| 225.90 | 242.50 |        | rock is homogeneous, massive ,<br>poorly to moderately foliated ,<br>green to grey ,<br>minor quartz veinlets ,  |          |
|        |        | 236.00 | foliations at indicated angle to core axis ,   | 83       |
| 227.40 | 229.80 |        | grey ,<br>moderate calcite alteration ,<br>Calcite veinlets common ,   |          |
| 240.60 | 242.50 |        | moderate calcite alteration ,<br>Quartz carbonate veining ,  |          |
| 242.50 | 246.00 |        | silicified, pyritic section ,<br>3-5% pyrite ,<br>occurs as lenses, irregular patches ,<br>moderate biotite alteration ,<br>moderate sericite alteration ,   |          |



| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
|        |        |     | sharp upper contact ,<br>garnetiferous minor ,<br>rock moderately magnetic locally ,<br>pervasive biotite alteration ,<br>trace to 1% pyrite ,   |          |
| 246.00 | 247.72 |     |  |          |
| 247.72 | 285.60 |     | BASALT ,<br>green ,<br>well foliated ,<br>section is inundated with quartz-carbonate ,<br>stringers along foliation ,<br>Quartz carbonate veining ,<br>rock moderately magnetic ,<br>shearing common at top ,<br>core is broken locally ,<br>very soft ,<br>1-2% pyrite ,<br>occurs as blebs, along foliation, in veinlets , |          |
| 285.60 |        |     | END OF HOLE ,  |          |

*Murray Jones*

ASSAYS DDH-261-87-1

| SAMPLE | START  | END    | CORE L | Au ppb | Au oz | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 80001  | 18.74  | 19.74  | 1.00   | 26     |       | 0      | 12     | 48     |
| 80002  | 19.74  | 20.42  | 0.68   | 8      |       | 0      | 8      | 50     |
| 80003  | 20.42  | 21.42  | 1.00   | 144    |       | 0      | 6      | 58     |
| 80004  | 21.42  | 22.50  | 1.08   | 54     |       | 0      | 8      | 51     |
| 80005  | 22.50  | 23.47  | 0.97   | 431    |       | 0      | 36     | 53     |
| 80006  | 32.02  | 32.61  | 0.59   | 19     |       | 0      | 12     | 46     |
| 80007  | 33.95  | 35.00  | 1.05   | 47     |       | 0      | 6      | 50     |
| 80008  | 35.66  | 36.66  | 1.00   | 15     |       | 0      | 12     | 68     |
| 80009  | 44.70  | 45.40  | 0.70   | 15     |       | 0      | 16     | 85     |
| 80010  | 53.17  | 54.60  | 1.43   | 6      |       | 0      | 12     | 100    |
| 80011  | 56.50  | 57.50  | 1.00   | 4      |       | 0      | 20     | 60     |
| 80012  | 63.09  | 64.17  | 1.08   | 3      |       | 0      | 10     | 82     |
| 80013  | 66.30  | 67.44  | 1.14   | 8      |       | 0      | 66     | 192    |
| 80014  | 73.62  | 74.37  | 0.75   | 19     |       | 0      | 156    | 358    |
| 80015  | 74.37  | 75.31  | 0.94   | 17     |       | 0      | 260    | 710    |
| 80016  | 80.92  | 81.70  | 0.78   | 8      |       | 0      | 48     | 282    |
| 80017  | 81.70  | 82.72  | 1.02   | 92     |       | 5      | 540    | 900    |
| 80018  | 82.72  | 84.43  | 1.71   | 63     |       | 10     | 440    | 958    |
| 80019  | 84.43  | 85.85  | 1.42   | 43     |       | 5      | 420    | 624    |
| 80020  | 85.85  | 87.20  | 1.35   | 59     |       | 5      | 380    | 674    |
| 80021  | 87.20  | 88.40  | 1.20   | 99     |       | 5      | 440    | 788    |
| 80022  | 88.40  | 90.00  | 1.60   | 66     |       | 5      | 320    | 706    |
| 80023  | 90.00  | 91.72  | 1.72   | 60     |       | 5      | 300    | 620    |
| 80024  | 91.72  | 92.86  | 1.14   | 128    |       | 5      | 240    | 836    |
| 80025  | 92.86  | 93.90  | 1.04   | 33     |       | 10     | 240    | 840    |
| 80026  | 93.90  | 95.27  | 1.37   | 60     |       | 5      | 240    | 974    |
| 80027  | 95.27  | 96.30  | 1.03   | 10     |       | 0      | 14     | 328    |
| 80028  | 96.30  | 97.38  | 1.08   | 19     |       | 0      | 8      | 262    |
| 80029  | 97.38  | 99.24  | 1.86   | 7      |       | 0      | 8      | 190    |
| 80030  | 99.24  | 101.20 | 1.96   | 6      |       | 0      | 16     | 232    |
| 80031  | 101.20 | 102.85 | 1.65   | 25     |       | 0      | 200    | 306    |
| 80032  | 106.60 | 107.27 | 0.67   | 18     |       | 0      | 120    | 1016   |
| 80033  | 110.53 | 111.86 | 1.33   | 141    |       | 0      | 50     | 742    |
| 80034  | 111.86 | 113.74 | 1.88   | 18     |       | 0      | 60     | 462    |
| 80035  | 113.74 | 114.77 | 1.03   | 8      |       | 0      | 50     | 708    |
| 80036  | 114.77 | 115.60 | 0.83   | 244    |       | 0      | 76     | 338    |
| 80037  | 115.60 | 116.42 | 0.82   |        | 0.048 | 0      | 50     | 89     |
| 80038  | 116.42 | 117.10 | 0.68   | 21     |       | 0      | 22     | 272    |
| 80039  | 127.68 | 128.31 | 0.63   | 10     |       | 0      | 34     | 72     |
| 80040  | 143.10 | 144.37 | 1.27   | 21     |       | 0      | 36     | 310    |
| 80041  | 145.39 | 146.83 | 1.44   | 22     |       | 0      | 24     | 306    |
| 80042  | 146.83 | 148.22 | 1.39   | 26     |       | 0      | 40     | 510    |
| 80043  | 148.22 | 149.94 | 1.72   | 14     |       | 0      | 38     | 80     |
| 80044  | 149.94 | 150.71 | 0.77   | 11     |       | 0      | 64     | 310    |
| 80045  | 150.71 | 151.49 | 0.78   | 166    |       | 0      | 72     | 86     |
| 80046  | 153.12 | 154.28 | 1.16   | 32     |       | 0      | 34     | 81     |
| 80047  | 158.90 | 160.02 | 1.12   | 33     |       | 0      | 44     | 316    |
| 80048  | 164.63 | 165.50 | 0.87   | 19     |       | 0      | 44     | 284    |
| 80049  | 169.53 | 170.04 | 0.51   | 102    |       | 0      | 76     | 96     |
| 80050  | 242.69 | 243.50 | 0.81   | 11     |       | 0      | 56     | 2880   |
| 80051  | 243.50 | 244.66 | 1.16   | 7      |       | 0      | 58     | 732    |

ASSAYS DDH-261-87-1

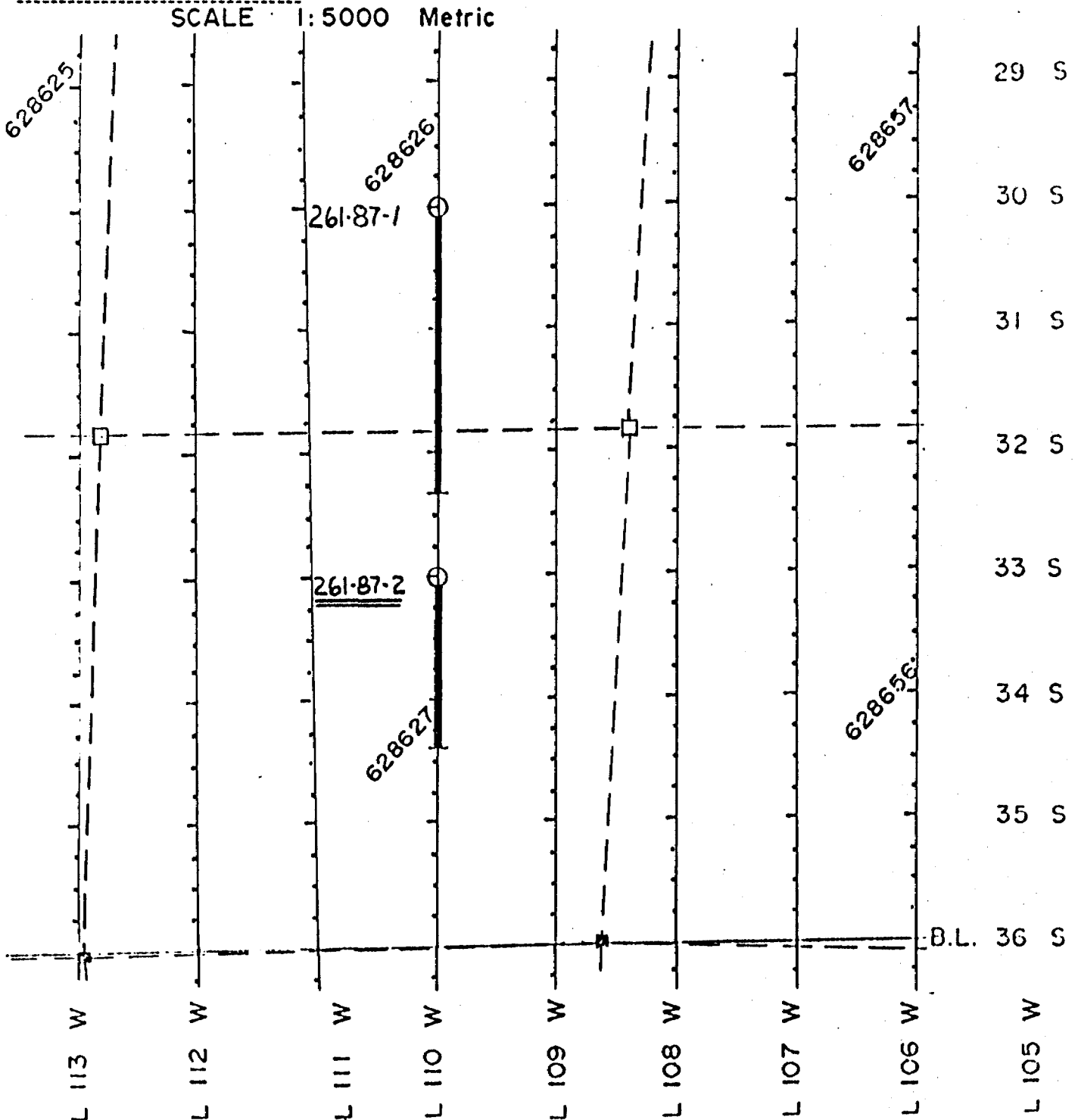
| SAMPLE | START  | END    | CORE L | Au ppb | Au oz | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 80052  | 244.66 | 245.97 | 1.31   | 88     |       | 0      | 64     | 2500   |
| 80053  | 245.97 | 247.72 | 1.75   | 4      |       | 0      | 46     | 442    |
| 80054  | 249.54 | 250.35 | 0.81   | 10     |       | 0      | 20     | 68     |

DIAMOND DRILL HOLE RECORD

Hole No 261-87-2

|                        |          |       |                      |          |               |                            |
|------------------------|----------|-------|----------------------|----------|---------------|----------------------------|
| Location               | Dip Test | Level | Horizontal Component | 140      | Date Started  | 25/01/67                   |
| Area or Twp HOBLITZELL | Footage  | Angle | Vertical Component   | 108      | Date Finished | 30/01/67                   |
|                        | 0        | 45    |                      |          |               |                            |
| Claim No 628627        | 178.92   | 31.5  | Elevation            | Azimuth  | 180           | Logged By: M.I. JONES      |
| NTS 3205               |          |       | Latitude 33+00S      | Length   | 178.92        | Purpose GEOLOGY/IP ANOMALY |
|                        |          |       | Departure 110+00W    | Core Loc | TIMMINS       | Recovery 78%               |
|                        |          |       |                      |          |               | Drilled By: HEATH&SHERWOOD |

Diamond Drill Hole Location Sketch



| FROM  | TO     | SUB   | DESCRIPTION   | ANG SULF |
|-------|--------|-------|---|----------|
| 0.00  | 6.10   |       | CASING ,  |          |
| 6.10  | 16.20  |       | DIORITE ,<br>green ,<br>hornblende as needles ,<br>plagioclase matrix ,<br>rock weakly magnetic ,<br>moderate calcite alteration ,  |          |
|       |        | 7.00  | foliations at indicated angle to core axis ,<br>poorly to moderately foliated ,<br>Quartz carbonate veining ,<br>tourmaline in veins ,<br>rock is homogeneous, massive ,<br>trace to 1% pyrite ,  | 53       |
|       |        | 13.30 | 16.20 pervasive calcite alteration ,<br>rock moderately magnetic ,<br>Quartz carbonate veining ,<br>pyrite and chalcopyrite -2% ,   |          |
| 16.20 | 65.70  |       | BASALT TUFF ,<br>chlorite-carbonate schist ,<br>green ,<br>rock is homogeneous, massive ,<br>well foliated ,<br>rock moderately magnetic ,<br>Quartz carbonate veining ,  |          |
|       |        | 17.10 | foliations at indicated angle to core axis ,<br>locally weathered gossanous ,   | 60       |
|       |        | 29.40 | foliations at indicated angle to core axis ,<br>moderate deformation ,<br>trace to 1% pyrite ,<br>as fine grained diun's, blebs in veinlets, minor ,  | 58       |
| 65.70 | 178.92 |       | INTERMEDIATE TUFF ,<br>banded appearance -sedimentary horizons? ,<br>minor quartz eyes observed -especially downhole ,  |          |
|       |        | 70.20 | foliations at indicated angle to core axis ,<br>lapilli common ,<br>light grey to tan, flattened, occurs in beds or ,<br>moderate sericite alteration ,<br>moderate biotite alteration ,<br>poorly to moderately foliated ,<br>quite hard, siliceous ,<br>grey to yellowish green ,<br>1-2% pyrite ,<br>usually as disseminations along foliation ,<br>chalcopyrite minor ,<br>as small blebs in quartz feldspar veins ,<br>patchy hematization , | 70       |

| FROM   | TO     | SUB   | DESCRIPTION   | ANG SULF |
|--------|--------|-------|---|----------|
| 65.70  | 67.50  |       | highly altered rock ,<br>moderate deformation -local ,<br>3-5% pyrite ,<br>grey ,<br>well foliated ,<br>Quartz carbonate veining ,<br>moderate sericite alteration ,<br>moderate biotite alteration ,<br>garnetiferous -minor ,<br>weak calcite alteration ,<br>weak calcite alteration ,<br>rock moderately magnetic ,<br>pyrite as disseminations along foliation ,<br>also as large blebs, and in veins(massive blebs) , |          |
| 67.50  | 77.27  |       | well foliated ,<br>-lt. grey colour ,<br>Quartz carbonate veining with pyrite ,<br>mild deformation -associated with veining ,<br>pervasive sericite alteration ,<br>moderate biotite alteration ,  |          |
| 70.42  | 72.23  |       | pervasive sericite alteration ,<br>pyrite ,   |          |
| 73.90  | 74.94  |       | pervasive sericite alteration ,<br>2-3% pyrite disseminated ,   |          |
| 77.27  | 78.84  |       | pervasive hematization ,<br>Quartz vein ,   |          |
|        |        | 81.00 | foliations at indicated angle to core axis ,  | 66       |
| 84.22  | 84.75  |       | pervasive sericite alteration ,<br>Quartz veinlets abundant with feldspar, sulfick ,<br>pyrite and chalcopyrite in veining ,  |          |
| 90.00  | 95.30  |       | rock moderately hematized ,<br>quartz eyes common ,<br>rock is more heterogeneous ,<br>poorly to moderately foliated ,<br>1-2% pyrite ,   |          |
| 95.23  | 142.30 |       | mixed appearance, homogeneous and patchy sections ,   |          |
|        | 101.30 |       | foliations at indicated angle to core axis ,  | 72       |
| 108.10 | 108.81 |       | highly altered rock ,<br>pervasive sericite alteration ,<br>well foliated ,<br>moderate deformation ,<br>2-3% pyrite ,  |          |
| 108.81 | 109.10 |       | garnetiferous rare ,<br>moderate chlorite alteration ,<br>patchy hematization ,   |          |
| 109.10 | 119.90 |       | core is broken ,<br>moderate deformation ,<br>rock moderately hematized ,<br>pervasive calcite alteration ,   |          |

| FROM   | TO     | SUB | DESCRIPTION                                       | ANG SULF |
|--------|--------|-----|---|----------|
|        |        |     | 1.0m ground core ,                                |          |
|        | 109.75 |     | foliations at indicated angle to core axis ,      | 71       |
| 125.90 | 128.00 |     | rock moderately hematized ,                       |          |
|        |        |     | pervasive calcite alteration ,                    |          |
| 129.63 | 135.20 |     | moderate chlorite alteration ,                    |          |
|        |        |     | pervasive sericite alteration ,                   |          |
|        |        |     | relatively soft section ,                         |          |
|        |        |     | Quartz carbonate veining ,                        |          |
|        |        |     | weak calcite alteration ,                         |          |
| 129.63 | 130.65 |     | garnetiferous rare ,                              |          |
| 142.30 | 147.90 |     | rhyolite ,  |          |
|        |        |     | porphyritic texture ,                             |          |
|        |        |     | rock weakly magnetic ,                            |          |
|        |        |     | patchy hematization ,                             |          |
| 147.90 | 170.75 |     | lapilli tuff ,                                    |          |
|        |        |     | quartz eyes common ,                              |          |
| 154.93 | 157.76 |     | rock moderately hematized ,                       |          |
|        |        |     | Quartz carbonate veining low angle, irregular ,   |          |
|        |        |     | crackle breccia appears ,                         |          |
|        |        |     | 1-2% pyrite ,                                     |          |
| 166.03 | 170.90 |     | rock moderately hematized ,                       |          |
|        |        |     | moderately altered rock ,                         |          |
|        |        |     | moderate deformation ,                            |          |
|        |        |     | large sporadic quartz-feldspar-tourmaline veins , |          |
|        |        |     | sulphides 5 to 10% ,                              |          |
|        |        |     | pyrite and chalcopyrite ,                         |          |
|        |        |     | Quartz veinlets abundant irregular ,              |          |
| 170.75 | 178.92 |     | grey darkly coloured ,                            |          |
|        |        |     | porphyritic texture rhyolite tuff ,               |          |
|        |        |     | minor lapilli ,                                   |          |
|        |        |     | quartz eyes common bluish ,                       |          |
| 178.92 |        |     | END OF HOLE ,                                     |          |

*Murray Jones*

ASSAYS DDH-261-87-2

| SAMPLE | START  | END    | CORE L | Au ppb | Au oz | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 80055  | 14.40  | 14.92  | 0.52   | 12     |       |        | 64     | 438    |
| 80056  | 15.72  | 16.20  | 0.48   | 70     |       |        | 74     | 2960   |
| 80057  | 16.20  | 17.45  | 1.25   | 14     |       |        | 26     | 216    |
| 80058  | 53.55  | 54.17  | 0.62   | 8      |       |        | 18     | 40     |
| 80059  | 60.36  | 61.20  | 0.84   | 10     |       |        | 14     | 66     |
| 80060  | 64.95  | 65.70  | 0.75   | 10     |       |        | 44     | 282    |
| 80061  | 65.70  | 66.23  | 0.53   | 60     |       | 5      | 168    | 484    |
| 80062  | 66.23  | 66.84  | 0.61   | 159    |       | 10     | 130    | 578    |
| 80063  | 66.84  | 67.50  | 0.66   | 75     |       | 15     | 560    | 416    |
| 80064  | 67.50  | 68.13  | 0.63   | 43     |       | 10     | 280    | 338    |
| 80065  | 68.13  | 69.50  | 1.37   | 33     |       | 5      | 240    | 482    |
| 80066  | 69.50  | 70.42  | 0.92   | 44     |       |        | 240    | 328    |
| 80067  | 70.42  | 71.17  | 0.75   | 41     |       |        | 240    | 73     |
| 80068  | 71.17  | 72.23  | 1.06   | 27     |       |        | 158    | 442    |
| 80069  | 72.23  | 73.90  | 1.67   | 14     |       |        | 52     | 354    |
| 80070  | 73.90  | 74.57  | 0.67   | 66     |       |        | 300    | 356    |
| 80071  | 74.57  | 74.94  | 0.37   | 27     |       |        | 132    | 44     |
| 80072  | 74.94  | 76.37  | 1.43   | 33     |       |        | 76     | 338    |
| 80073  | 76.37  | 77.27  | 0.90   | 246    |       |        | 130    | 342    |
| 80074  | 77.27  | 78.20  | 0.93   | 77     |       |        | 42     | 83     |
| 80075  | 78.20  | 78.81  | 0.61   | 27     |       |        | 20     | 49     |
| 80076  | 78.84  | 80.57  | 1.73   | 43     |       |        | 32     | 85     |
| 80077  | 80.57  | 81.94  | 1.37   | 17     |       |        | 34     | 74     |
| 80078  | 84.22  | 84.75  | 0.53   | 148    |       |        | 16     | 30     |
| 80079  | 86.61  | 87.48  | 0.87   | 29     |       |        | 56     | 48     |
| 80080  | 93.46  | 94.52  | 1.06   | 10     |       |        | 20     | 42     |
| 80081  | 100.19 | 100.61 | 0.42   | 11     |       |        | 20     | 58     |
| 80082  | 108.10 | 108.81 | 0.71   | 14     |       |        | 16     | 58     |
| 80083  | 110.30 | 110.90 | 0.60   | 7      |       |        | 18     | 82     |
| 80084  | 110.90 | 111.39 | 0.49   | 128    |       |        | 42     | 55     |
| 80085  | 111.39 | 112.28 | 0.89   | 25     |       |        | 18     | 97     |
| 80086  | 112.28 | 114.00 | 1.72   | 7      |       |        | 24     | 290    |
| 80087  | 114.00 | 115.00 | 1.00   | 33     |       |        | 26     | 69     |
| 80088  | 115.00 | 115.90 | 0.90   | 8      |       |        | 22     | 47     |
| 80089  | 115.90 | 117.90 | 2.00   | 7      |       |        | 26     | 53     |
| 80090  | 117.90 | 119.90 | 2.00   | 4      |       |        | 18     | 54     |
| 80091  | 119.90 | 120.50 | 0.60   | 6      |       |        | 10     | 61     |
| 80092  | 130.34 | 130.91 | 0.57   | 7      |       |        | 28     | 101    |
| 80093  | 139.06 | 139.56 | 0.50   | 52     |       |        | 10     | 54     |
| 80094  | 142.02 | 142.80 | 0.78   | 21     |       |        | 26     | 59     |
| 80095  | 144.24 | 145.05 | 0.81   | 102    |       |        | 30     | 66     |
| 80096  | 146.54 | 148.00 | 1.46   | 12     |       |        | 40     | 47     |
| 80097  | 148.00 | 148.80 | 0.80   | 19     |       |        | 30     | 61     |
| 80098  | 154.93 | 155.75 | 0.82   | 14     |       |        | 24     | 560    |
| 80099  | 155.75 | 156.63 | 0.88   | 17     |       |        | 42     | 82     |
| 80100  | 156.63 | 157.58 | 0.95   | 14     |       |        | 30     | 94     |
| 80101  | 166.08 | 167.05 | 0.97   | 12     |       |        | 44     | 53     |
| 80102  | 167.05 | 168.09 | 1.04   | 8      |       |        | 44     | 52     |
| 80103  | 168.09 | 168.69 | 0.60   | 325    |       |        | 30     | 16     |
| 80104  | 168.69 | 169.86 | 1.17   | 21     |       |        | 16     | 90     |



ASSAYS DDH-261-87-2

| SAMPLE | START  | END    | CORE L | Au ppb | Au oz | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| B0105  | 169.86 | 170.13 | 0.27   | 387    |       |        | 680    | 44     |
| B0106  | 170.13 | 170.90 | 0.77   | 41     |       |        | 20     | 76     |
| B0107  | 170.90 | 172.21 | 1.31   | 241    |       |        | 42     | 77     |

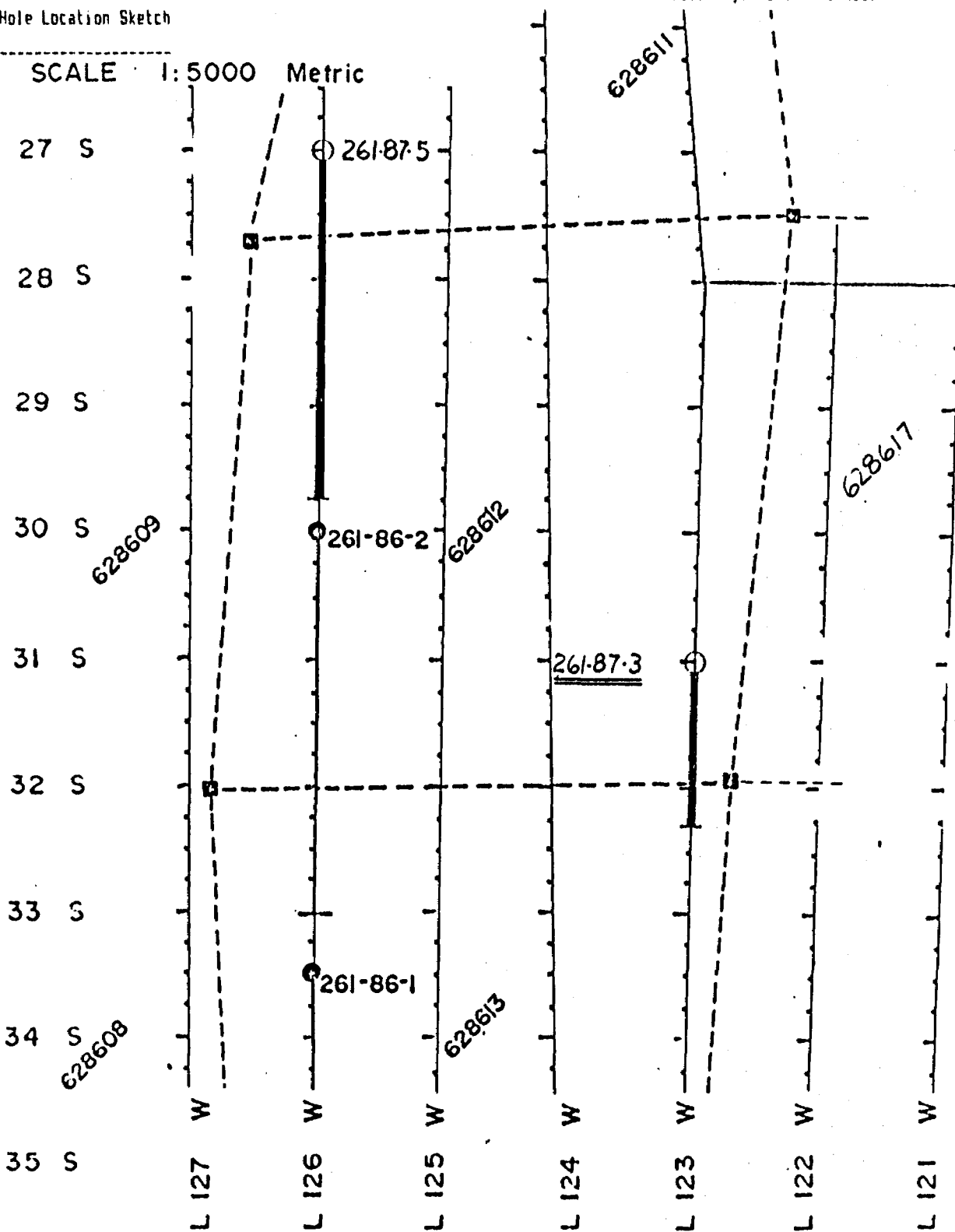
DIAMOND DRILL HOLE RECORD

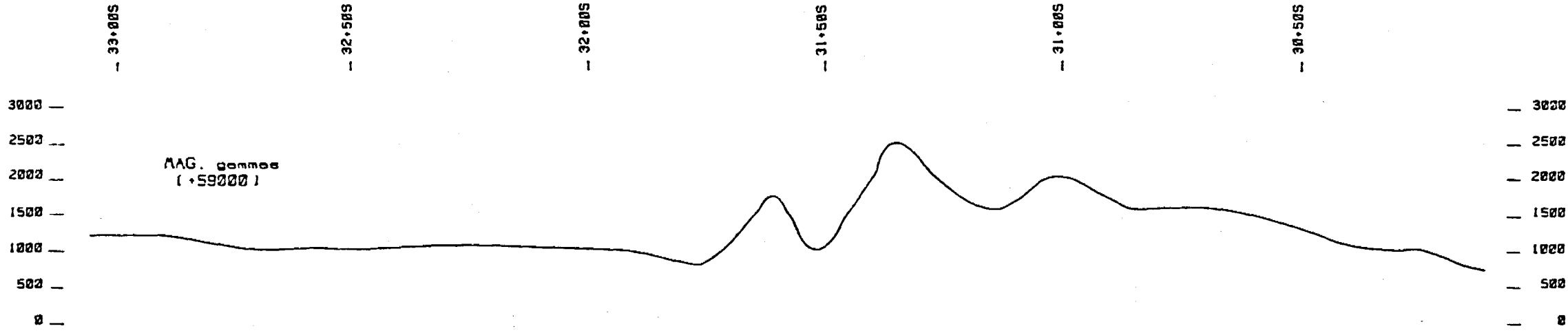
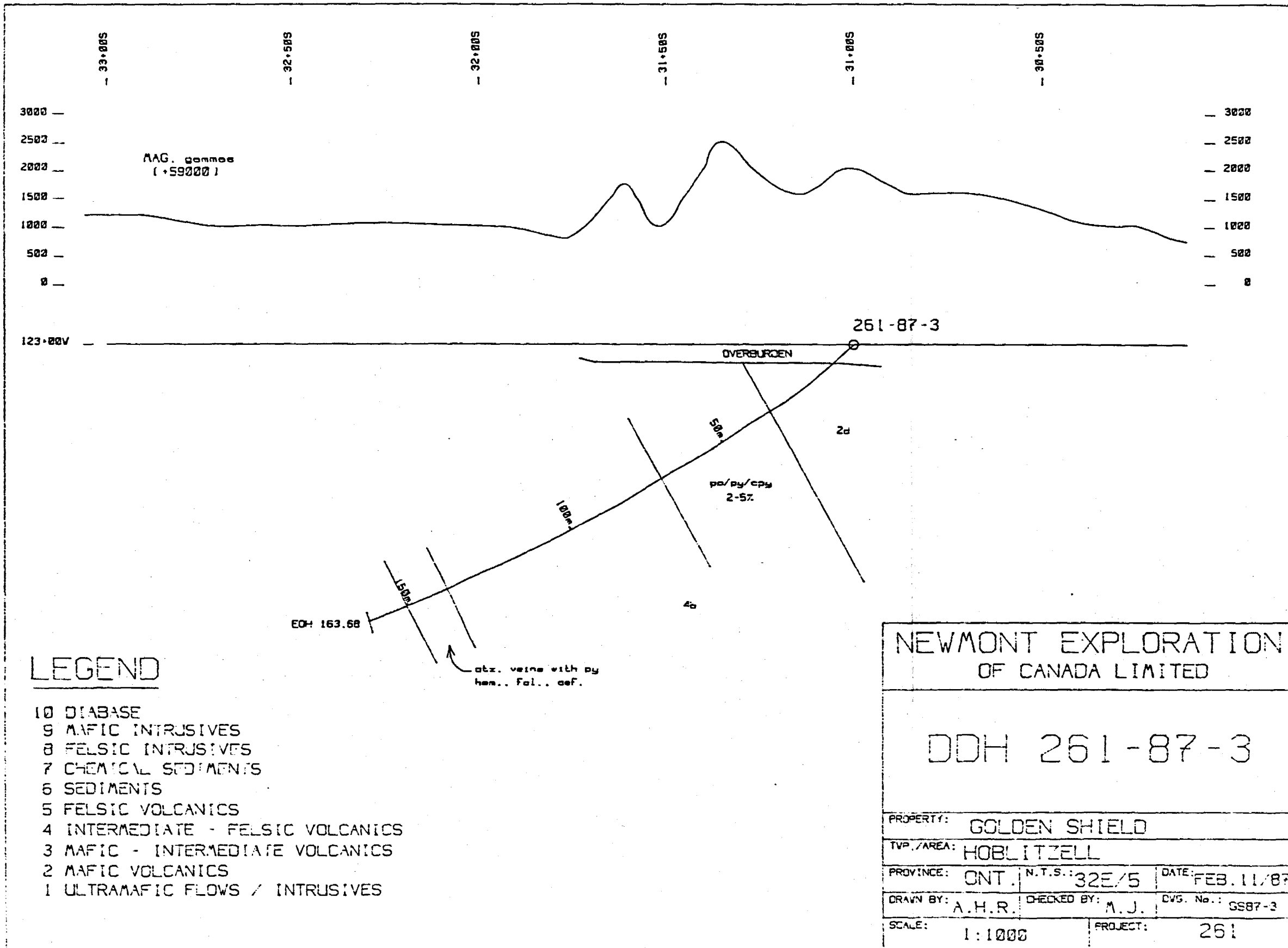
Hole No 261-87-3

| Location    | Dip Test    | Level   | Horizontal Component | 130m               | Date Started | 31/01/87      |                   |
|-------------|-------------|---------|----------------------|--------------------|--------------|---------------|-------------------|
| Area or Twp | HOBLEITZELL | Footage | Angle                | Vertical Component | 98m          | Date Finished | 05/01/87          |
|             | 0           | 45      |                      |                    |              |               |                   |
| Claim No    | 628612,13   | 142.34  | 31                   | Elevation          |              | Logged By:    | M.I. JONES        |
|             |             |         |                      | Latitude           | 31+00S       | Purpose       | IP/MINLTD CONTACT |
| NTS         | 32E5        |         |                      | Departure          | 123+00W      | Recovery      |                   |
|             |             |         |                      | Core Loc           | TIMMINS      | Drilled By:   | HEATHSHERWOOD     |

Diamond Drill Hole Location Sketch

SCALE 1:5000 Metric





**LEGEND**

- 10 DIABASE
- 9 MAFIC INTRUSIVES
- 8 FELSIC INTRUSIVES
- 7 CHEMICAL SEDIMENTS
- 6 SEDIMENTS
- 5 FELSIC VOLCANICS
- 4 INTERMEDIATE - FELSIC VOLCANICS
- 3 MAFIC - INTERMEDIATE VOLCANICS
- 2 MAFIC VOLCANICS
- 1 ULTRAMAFIC FLOWS / INTRUSIVES

NEWMONT EXPLORATION  
OF CANADA LIMITED

DDH 261-87-3

|                         |                  |                  |
|-------------------------|------------------|------------------|
| PROPERTY: GOLDEN SHIELD |                  |                  |
| TWP./AREA: HOBLITZELL   |                  |                  |
| PROVINCE: ONT.          | N.T.S.: 32E/5    | DATE: FEB. 11/87 |
| DRAWN BY: A.H.R.        | CHECKED BY: M.J. | DWG. No.: GS87-3 |
| SCALE: 1:1000           | PROJECT: 261     |                  |

| FROM  | TO     | SUB   | DESCRIPTION  | ANG SULF |
|-------|--------|-------|--|----------|
| 0.00  | 7.32   |       | CASING ,   |          |
| 7.32  | 31.65  |       | BASALT TUFF ,<br>chlorite-biotite schist ,<br>grey to green darkly coloured ,<br>rock is homogeneous, massive ,<br>poorly to moderately foliated ,<br>weak calcite alteration ,<br>appears quite highly metamorphosed ,  |          |
|       |        | 8.00  | foliations at indicated angle to core axis ,<br>Quartz veinlets abundant ,<br>rock moderately magnetic ,<br>locally core has a bluish tinge ,<br>due to chlorite or cordierite? ,<br>possibly sedimentary affinity ,<br>sulphides 1 to 5% ,<br>pyrite and pyrrhotite -minor chalcopyrite ,<br>occur in semi-massive bands/lenses, also blebs ,     | 70       |
|       |        | 7.32  | 13.60 garnetiferous ,<br>associated with chlorite-rich sections ,<br>moderate deformation ,<br>rock strongly magnetic ,<br>moderate biotite alteration ,<br>quartz veining common ,<br>with significant pyrrhotite/pyrite/chalcopyrite ,   |          |
|       |        | 9.70  | 16.90 moderate calcite alteration ,<br>locally pervasive ,   |          |
|       |        | 19.55 | 19.92 pyrrhotite semi-massive bands ,<br>pyrite and chalcopyrite interstitial ,<br>sulphides 5 to 10% ,  |          |
|       |        |       | 18.35 foliations at indicated angle to core axis ,   | 62       |
|       |        |       | 21.00 foliations at indicated angle to core axis ,   | 60       |
|       |        | 27.56 | 28.06 pervasive biotite alteration ,<br>sulphides 5 to 10% pyrrhotite and pyrite ,   |          |
|       |        |       | 29.10 foliations at indicated angle to core axis ,   | 67       |
|       |        | 30.60 | 31.65 pervasive biotite alteration ,<br>sulphides 5 to 10% pyrrhotite/pyrite ,<br>moderate chlorite alteration ,   |          |
|       |        |       | 31.00 foliations at indicated angle to core axis ,   | 43       |
| 31.65 | 163.68 |       | INTERMEDIATE TUFF ,<br>lapilli common ,<br>poorly to moderately foliated ,<br>green to grey lightly coloured ,<br>porphyroblastic locally, amphibole and garnet ,<br>rock moderately magnetic ,<br>associated with mineralization, veining ,<br>magnetite common in stringers with chloritic selvages<br>quartz veining common ,large, irregular , |          |

| FROM  | TO     | SUB | DESCRIPTION  | ANG SULF |
|-------|--------|-----|--|----------|
|       |        |     | weak calcite alteration ,<br>moderate sericite alteration ,<br>moderate chlorite alteration ,  |          |
| 43.58 | 47.05  |     | irregular, vuggy quartz veining ,<br>with carbonate-chlorite-tourmaline(?) magnetite ,<br>bluish tinge ,<br>2-3% pyrite finely disseminated ,  |          |
| 48.30 | 52.12  |     | grey darkly coloured ,<br>well foliated ,<br>moderate calcite alteration -tiny porphyroblasts ,<br>porphyroblastic green amphibole ,<br>rock strongly magnetic ,   |          |
| 52.12 | 57.70  |     | bluish tinge, patchy appearance ,<br>well foliated ,<br>rock moderately magnetic ,<br>transitional at lower contact ,  |          |
| 57.70 | 64.55  |     | green ,<br>well foliated ,<br>rock weakly magnetic locally, near quartz veins ,<br>porphyroblastic calcite ,<br>pyrite and pyrrhotite -2% ,  |          |
| 64.55 | 70.63  |     | grey to green ,<br>garnetiferous ,<br>poorly to moderately foliated ,<br>weak silicification with pyrite ,<br>minor quartz veinlets ,<br>pyrite and pyrrhotite 2-3% ,<br>sulfides especially in silicified sections ,                      |          |
| 70.63 | 75.90  |     | Felsic Dyke ,<br>feldspar phenocrysts common anhedral ,<br>grey ,<br>moderate biotite alteration ,<br>weak chlorite alteration ,<br>rock moderately magnetic ,<br>not fresh, cut by vuggy quartz veinlets ,<br>patchy hematization ,       |          |
| 75.90 | 118.17 |     | grey to green light ,<br>lapilli common ,<br>alternately hard and soft ,<br>rock moderately magnetic ,<br>garnetiferous ,  |          |
|       | 83.80  |     | foliations at indicated angle to core axis ,<br>moderate chlorite alteration patchy ,<br>pervasive sericite alteration ,<br>pyrite and pyrrhotite 1-3% ,<br>as semi-massive bands/lenses, disseminations ,<br>minor quartz eyes observed , | 65       |
| 96.75 | 97.80  |     | moderate deformation ,<br>Quartz carbonate veining ,   |          |

| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
|        |        |     | pyrite and pyrrhotite 1-2% ,<br>yellowish green colour epidote alteration? ,<br>core is broken ,   |          |
| 105.40 | 106.80 |     |  |          |
| 112.60 | 113.68 |     | pyrrhotite several massive bands ,<br>with chloritic selvages ,  |          |
| 116.45 | 118.17 |     | Stockwork of quartz carbonate veining ,<br>rock brecciated ,<br>with biotite and pyrite ,<br>bleached envelopes to veins/fractures ,<br>grey ,   |          |
| 126.56 | 129.35 |     | fracturing common -weathered ,<br>rock moderately hematized ,  |          |
| 135.69 | 136.64 |     | porphyritic texture ,<br>feldspar phenocrysts common ,<br>grey to green ,<br>rock moderately hematized ,<br>rock moderately magnetic ,   |          |
| 136.25 | 145.45 |     | rock moderately hematized ,<br>moderate chlorite alteration ,<br>quartz veining common ,<br>well foliated ,<br>moderate deformation ,<br>rock moderately magnetic ,<br>alteration patterns sporadic in lapilli sections ,        |          |
| 137.25 | 138.80 |     | porphyritic texture -60% of interval ,<br>mixed with lapilli tuff ,  |          |
| 142.10 | 145.45 |     | Stockwork of quartz carbonate veining ,<br>ankerite common -? ,<br>2-3% pyrite ,<br>as massive blebs, in veins, plus disseminations ,  |          |
|        | 144.30 |     | foliations at indicated angle to core axis ,   | 80       |
| 145.45 | 151.30 |     | patchy hematization ,<br>quartz veining common ,<br>1-2% pyrite ,<br>as large blebs in veins, disseminations in wall ,<br>poorly to moderately foliated ,<br>weak chlorite alteration ,<br>feldspar phenocrysts common locally , |          |
| 151.30 | 163.68 |     | grey ,<br>porphyritic texture ,<br>feldspar phenocrysts common ,<br>weak calcite alteration ,<br>rock weakly magnetic ,<br>biotite and chlorite in matrix ,<br>welded tuff or flow ,<br>minor quartz veinlets ,<br>1-2% pyrite , |          |
| 163.68 |        |     | END OF HOLE ,  |          |

*Murray Jones*

## ASSAYS DDH-261-87-3

| SAMPLE | START  | END    | CORE L | Au ppb | Au oz | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 80108  | 9.70   | 11.07  | 1.37   | 6      |       | 0      | 100    | 324    |
| 80109  | 11.07  | 12.20  | 1.13   | 47     |       | 0      | 560    | 316    |
| 80110  | 12.20  | 13.12  | 0.92   | 7      |       | 0      | 96     | 98     |
| 80111  | 19.50  | 20.00  | 0.50   | 12     |       | 0      | 300    | 70     |
| 80112  | 20.00  | 21.00  | 1.00   | 7      |       | 0      | 82     | 27     |
| 80113  | 22.35  | 23.16  | 0.81   | 96     |       | 0      | 84     | 210    |
| 80114  | 29.52  | 30.60  | 1.08   | 15     |       | 0      | 66     | 258    |
| 80115  | 30.60  | 31.65  | 1.05   | 30     |       | 0      | 42     | 272    |
| 80116  | 32.31  | 32.93  | 0.62   | 14     |       | 0      | 88     | 248    |
| 80117  | 35.12  | 36.43  | 1.31   | 19     |       | 0      | 80     | 70     |
| 80118  | 41.03  | 42.18  | 1.15   | 6      |       | 0      | 42     | 72     |
| 80119  | 42.18  | 43.58  | 1.40   | 37     |       | 0      | 28     | 72     |
| 80120  | 43.58  | 44.24  | 0.66   | 11     |       | 0      | 52     | 67     |
| 80121  | 44.24  | 45.12  | 0.88   | 12     |       | 0      | 132    | 86     |
| 80122  | 45.12  | 46.27  | 1.15   | 17     |       | 0      | 32     | 288    |
| 80123  | 46.27  | 47.05  | 0.78   | 26     |       | 0      | 74     | 226    |
| 80124  | 47.05  | 48.12  | 1.07   | 8      |       | 0      | 62     | 98     |
| 80125  | 48.12  | 49.17  | 1.05   | 22     |       | 0      | 88     | 278    |
| 80126  | 54.85  | 56.10  | 1.25   | 18     |       | 0      | 40     | 79     |
| 80127  | 56.10  | 57.10  | 1.00   | 7      |       | 0      | 48     | 67     |
| 80128  | 58.75  | 60.00  | 1.25   | 12     |       | 0      | 56     | 78     |
| 80129  | 64.53  | 65.35  | 0.82   | 6      |       | 0      | 58     | 678    |
| 80130  | 66.35  | 67.08  | 0.73   | 8      |       | 0      | 56     | 94     |
| 80131  | 67.08  | 68.20  | 1.12   | 10     |       | 0      | 64     | 67     |
| 80132  | 68.20  | 69.50  | 1.30   | 11     |       | 0      | 42     | 27     |
| 80133  | 69.50  | 70.62  | 1.12   | 17     |       | 0      | 50     | 60     |
| 80134  | 72.07  | 74.06  | 1.99   | 10     |       | 0      | 12     | 67     |
| 80135  | 75.90  | 77.25  | 1.35   | 51     |       | 0      | 28     | 69     |
| 80136  | 80.43  | 81.25  | 0.82   | 19     |       | 0      | 34     | 36     |
| 80137  | 82.80  | 83.73  | 0.93   | 8      |       | 0      | 28     | 34     |
| 80138  | 83.73  | 84.43  | 0.70   | 12     |       | 0      | 52     | 29     |
| 80139  | 84.43  | 85.27  | 0.84   | 25     |       | 0      | 28     | 26     |
| 80140  | 93.18  | 94.00  | 0.82   | 8      |       | 0      | 24     | 30     |
| 80141  | 96.75  | 97.80  | 1.05   | 14     |       | 0      | 18     | 30     |
| 80142  | 99.27  | 100.40 | 1.13   | 14     |       | 0      | 28     | 35     |
| 80143  | 101.65 | 102.91 | 1.26   | 12     |       | 0      | 26     | 63     |
| 80144  | 105.40 | 106.80 | 1.40   | 11     |       | 0      | 24     | 65     |
| 80145  | 109.30 | 110.40 | 1.10   | 17     |       | 0      | 36     | 44     |
| 80146  | 112.60 | 113.68 | 1.08   | 8      |       | 0      | 12     | 42     |
| 80147  | 116.58 | 118.17 | 1.59   | 10     |       | 0      | 18     | 37     |
| 80148  | 123.38 | 124.05 | 0.67   | 8      |       | 0      | 24     | 39     |
| 80149  | 128.11 | 129.35 | 1.24   | 8      |       | 0      | 32     | 37     |
| 80150  | 136.25 | 137.55 | 1.30   | 29     |       | 0      | 22     | 60     |
| 80151  | 137.55 | 138.32 | 0.77   | 18     |       | 0      | 26     | 69     |
| 80152  | 138.32 | 139.29 | 0.97   | 10     |       | 0      | 18     | 66     |
| 80153  | 139.29 | 140.80 | 1.51   | 8      |       | 0      | 26     | 38     |
| 80154  | 140.80 | 142.20 | 1.40   | 6      |       | 0      | 24     | 39     |
| 80155  | 142.20 | 142.65 | 0.45   | 37     |       | 0      | 22     | 32     |
| 80156  | 142.65 | 143.58 | 0.93   | 178    |       | 0      | 24     | 28     |
| 80157  | 143.58 | 144.45 | 0.87   | 11     |       | 0      | 18     | 41     |
| 80158  | 144.45 | 145.18 | 0.73   | 25     |       | 0      | 10     | 38     |

## ASSAYS DDH-261-87-3

| SAMPLE | START  | END    | CDRE L | Au ppb | Au oz | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 80159  | 145.18 | 146.40 | 1.22   | 10     |       | 0      | 20     | 47     |
| 80160  | 146.60 | 147.38 | 0.98   | 11     |       | 0      | 18     | 46     |
| 80161  | 147.38 | 148.33 | 0.95   | 8      |       | 0      | 22     | 40     |
| 80162  | 148.33 | 149.35 | 1.02   | 18     |       | 0      | 40     | 40     |
| 80163  | 149.35 | 149.96 | 0.60   | 54     |       | 0      | 12     | 34     |
| 80164  | 149.96 | 150.70 | 0.74   | 62     |       | 0      | 46     | 608    |
| 80165  | 150.70 | 151.30 | 0.60   | 32     |       | 0      | 16     | 21     |
| 80166  | 151.30 | 152.40 | 1.10   | 10     |       | 0      | 34     | 71     |
| 0      | 0.00   | 0.00   | 0.00   |        |       |        |        |        |

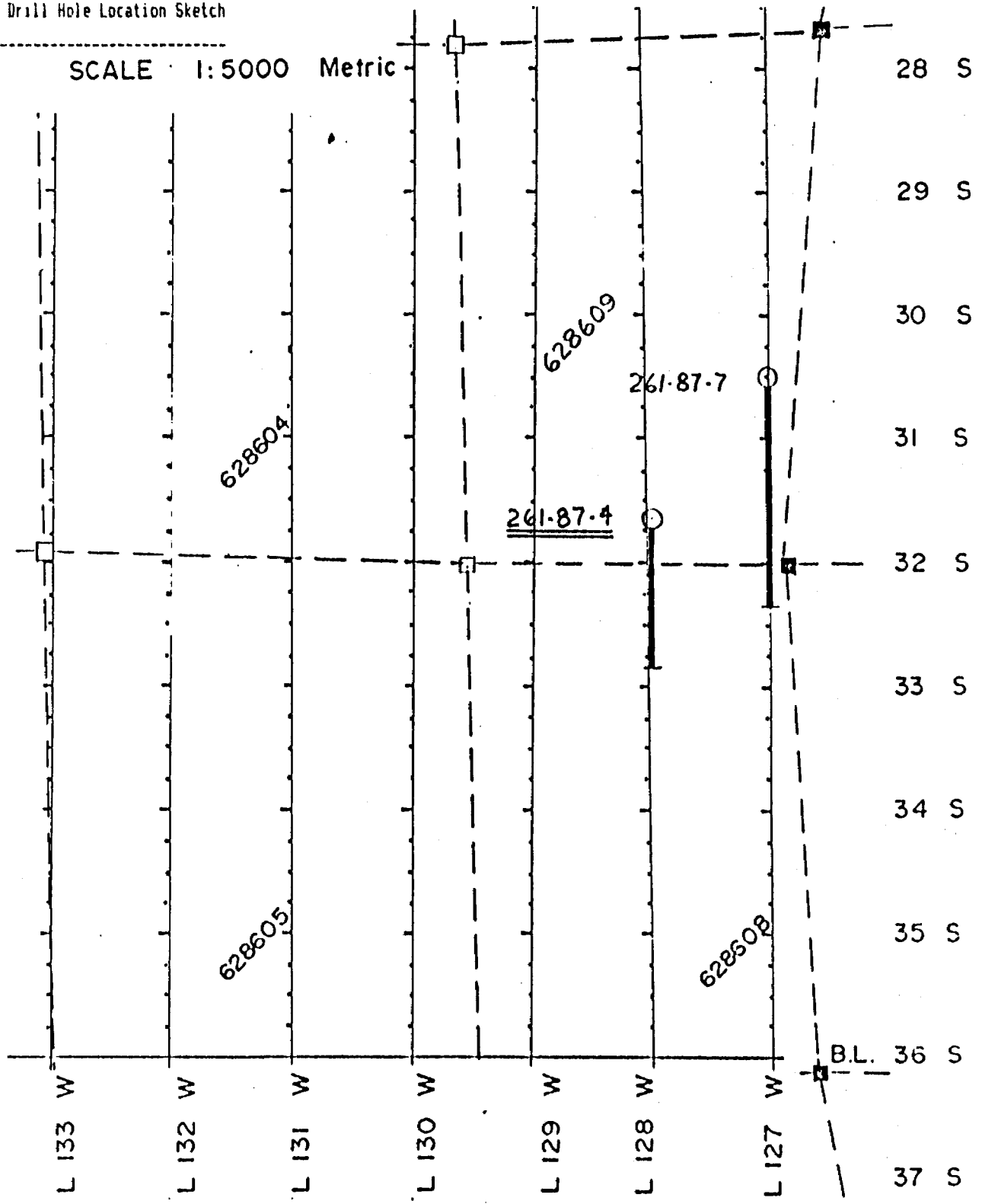


DIAMOND DRILL HOLE RECORD

Hole No 261-87-4

| Location    | Dip Test   | level   | Horizontal Component | 121m               | Date Started | 05/02/87      |                            |                   |
|-------------|------------|---------|----------------------|--------------------|--------------|---------------|----------------------------|-------------------|
| Area or Twp | HORLITZELL | Footage | Angle                | Vertical Component | 92m          | Date Finished | 08/02/87                   |                   |
|             |            | 0       | 45                   |                    |              |               |                            |                   |
| Claim No    | 628609,08  | 148.43  | 30                   | Elevation          | Azimuth      | 180           | Logged By: M.I. JONES      |                   |
|             |            |         |                      | Latitude           | Length       | 151.49        | Purpose                    | IP/MINLZO CONTACT |
| NTS         | 32E5       |         |                      | Departure          | Core Loc     | TIMMINS       | Recovery                   | 98%               |
|             |            |         |                      |                    |              |               | Drilled by: HEATH SHENWOOD |                   |

Diamond Drill Hole Location Sketch



| FROM  | TO    | SUB   | DESCRIPTION   | ANG SULF |
|-------|-------|-------|---|----------|
| 0.00  | 4.60  |       | CASING  |          |
| 4.60  | 51.05 |       | BASALT TUFF<br>grey to green<br>grey to green<br>well foliated<br>mild deformation<br>core is broken at top, weathered  |          |
|       |       | 9.00  | foliations at indicated angle to core axis<br>Quartz carbonate veining<br>-also muscovite veinlets, biotite rarely<br>weak calcite alteration<br>weak chlorite alteration<br>quite soft<br>1-2% pyrite<br>-small lenses/bands, disseminations<br>pyrrhotite common in stringers             | 77       |
|       |       | 20.00 | foliations at indicated angle to core axis<br>rock moderately magnetic<br>magnetite common, occurs in stringers<br>patchy hematization -in quartz veinlets<br>garnet though they are sparse   | 79       |
| 16.46 | 19.15 |       | rock highly sheared<br>-evident by quartz-carbonate segregations<br>gossanous weathering at centre of zone  |          |
| 19.75 | 27.42 |       | grey, dark, quite hard<br>moderate biotite alteration<br>moderate calcite alteration<br>rock strongly magnetic<br>minor quartz veinlets<br>tourmaline in quartz veins<br>bluish tinge<br>softer chloritic sections included   |          |
| 32.71 | 51.05 |       | grey, dark, as above<br>moderate biotite alteration<br>moderate calcite alteration<br>rock strongly magnetic<br>quartz veining common<br>tourmaline in quartz veins<br>1-2% pyrite mostly in quartz veins<br>patchy hematization<br>-appears in fractures, as vein selvages<br>garnet -rare |          |
| 35.66 | 38.71 |       | core is broken<br>bleached envelopes to veins/fractures<br>2-3% pyrite -in disseminated zones<br>1.0m lost core-tube did not lock<br>garnet   |          |
|       |       | 41.50 | foliations at indicated angle to core axis  | 70       |

| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
| 48.55  | 51.05  |     | pyrrhotite , 3-5%<br>-occurs in finely disseminated bands<br>moderate chlorite alteration<br>pervasive biotite alteration  |          |
| 50.75  | 51.20  |     | quartz vein/breccia zone at contact<br>2-3% pyrite   |          |
| 51.05  | 151.49 |     | FELSIC TUFF<br>grey to green , light<br>quite soft at top<br>moderate sericite alteration<br>weak biotite alteration<br>weak chlorite alteration<br>pervasive dolomite alteration -??<br>poorly to moderately foliated<br>rock weakly magnetic<br>1-2% pyrite<br>-as small lenses, disseminations<br>Quartz veinlets abundant<br>-with chloritic selvages<br>bleached envelopes to veins/fractures<br>ash, lapilli and porphyritic sections<br>minor quartz eyes observed -more prominent downhole |          |
| 59.12  | 59.89  |     | quartz vein stockwork<br>tourmaline in stockwork<br>pyrite , as small blebs  |          |
| 62.68  |        |     | grey , light<br>lapilli common<br>porphyritic texture locally<br>porphyry clasts in tuff matrix<br>patchy hematization<br>1-2% pyrite  |          |
| 70.05  | 72.00  |     | rock moderately hematized  |          |
| 72.40  | 73.81  |     | Stockwork of quartz carbonate veining<br>tourmaline<br>2-3% pyrite   |          |
| 102.00 | 109.00 |     | rock moderately hematized<br>porphyritic texture , locally, as bands-clasts?   |          |
| 103.00 | 103.50 |     | core is broken -minor gouge  |          |
|        | 108.00 |     | foliations at indicated angle to core axis   | 80       |
| 122.08 | 124.50 |     | quartz veining common<br>rock moderately hematized<br>1-2% pyrite<br>lapilli common<br>tourmaline , in veins   |          |
| 124.50 | 133.31 |     | grey<br>moderate deformation<br>well foliated  |          |

| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
|        |        |     | lapilli common<br>moderate sericite alteration<br>quartz veining common -irregular, minor calcite<br>locally soft-dolomite?<br>garnet -scattered<br>patchy hematization -associated with veining<br>1-2% pyrite  |          |
| 133.31 | 135.05 |     | Stockwork of quartz carbonate veining with feldspar<br>pervasive hematization<br>2-3% pyrite<br>strongly deformed<br>rock moderately magnetic<br>tourmaline in stockwork<br>-also, as bands along foliation<br>pyrite as disseminations in veins and wall rock |          |
| 135.05 | 151.49 |     | grey<br>porphyritic texture<br>lapilli common<br>feldspar phenocrysts common , heatized<br>well foliated<br>weak chlorite alteration<br>tourmaline in fractures<br>minor quartz veinlets<br>trace to 1% pyrite<br>rock weakly magnetic                         |          |
| 139.85 | 143.11 |     | patchy hematization<br>sill?-intrusive character   |          |
| 144.10 | 144.98 |     | sill?<br>patchy hematization   |          |
| 144.98 | 147.22 |     | bluish tinge<br>rock strongly magnetic<br>garnet<br>chloritic sections   |          |
| 151.49 |        |     | END OF HOLE  |          |

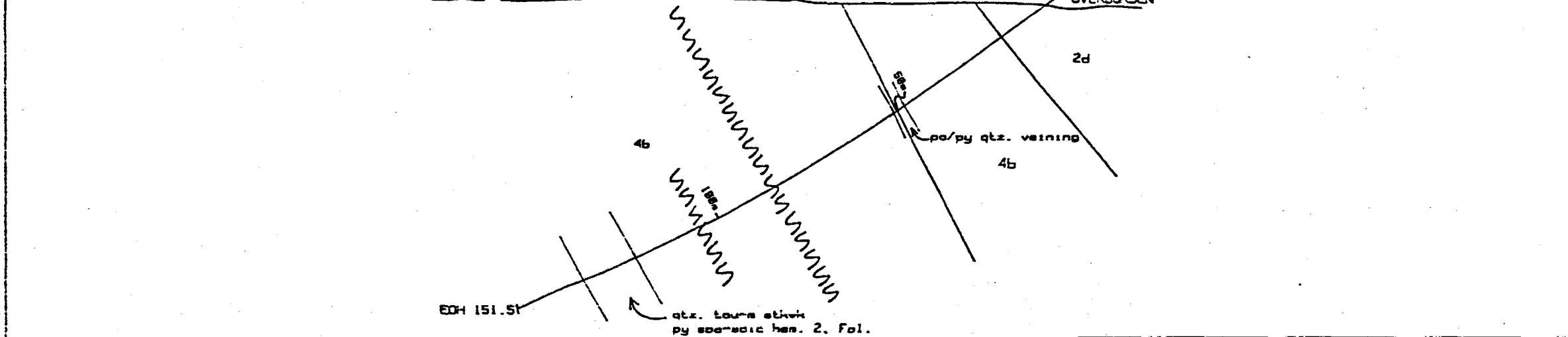
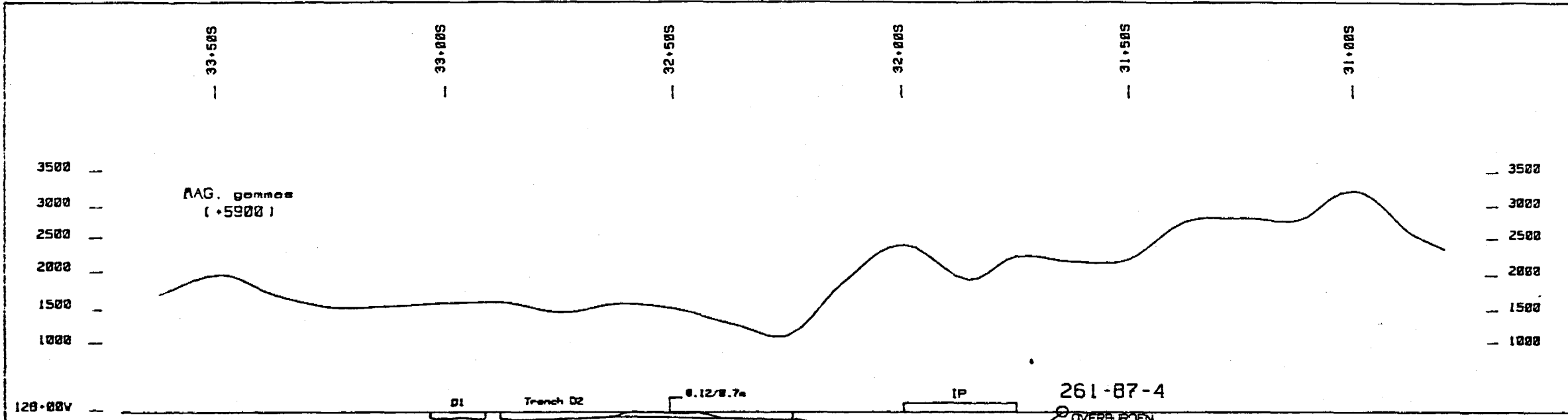
*Murray Jones*

## ASSAYS DDH-261-87-4

| SAMPLE | START  | END    | CORE L | Au  | AUoz  | AS | CU  | ZN  |
|--------|--------|--------|--------|-----|-------|----|-----|-----|
| 80167  | 5.85   | 7.90   | 2.05   | 6   |       |    | 42  | 258 |
| 80168  | 7.90   | 9.08   | 1.18   | 8   |       |    | 70  | 98  |
| 80169  | 11.30  | 12.92  | 1.62   | 6   |       |    | 78  | 220 |
| 80170  | 16.46  | 18.00  | 1.54   | 12  |       |    | 32  | 86  |
| 80171  | 18.00  | 19.16  | 1.16   | 11  |       |    | 34  | 75  |
| 80172  | 19.16  | 20.35  | 1.19   | 8   |       |    | 70  | 258 |
| 80173  | 23.33  | 24.44  | 1.11   | 89  |       |    | 108 | 296 |
| 80174  | 30.25  | 31.57  | 1.32   | 10  |       |    | 56  | 242 |
| 80175  | 33.04  | 34.35  | 1.31   | 6   |       |    | 40  | 220 |
| 80176  | 34.35  | 35.66  | 1.31   | 7   |       |    | 50  | 294 |
| 80177  | 35.66  | 36.58  | 0.92   | 12  |       |    | 26  | 256 |
| 80178  | 36.58  | 37.71  | 1.13   | 19  |       |    | 112 | 268 |
| 80179  | 38.71  | 39.73  | 1.02   | 17  |       |    | 240 | 260 |
| 80180  | 43.28  | 44.81  | 1.53   | 8   |       |    | 220 | 342 |
| 80181  | 47.55  | 48.55  | 1.00   | 4   |       |    | 68  | 274 |
| 80182  | 48.55  | 49.71  | 1.16   | 3   |       |    | 96  | 278 |
| 80183  | 49.71  | 50.75  | 1.04   | 14  |       |    | 100 | 334 |
| 80184  | 50.75  | 51.50  | 0.75   | 274 |       |    | 136 | 242 |
| 80185  | 51.50  | 52.70  | 1.20   | 7   |       |    | 26  | 546 |
| 80186  | 53.95  | 55.16  | 1.21   | 15  |       |    | 28  | 576 |
| 80187  | 55.16  | 56.65  | 1.49   | 10  |       |    | 34  | 428 |
| 80188  | 57.05  | 58.40  | 1.35   | 18  |       |    | 130 | 488 |
| 80189  | 58.40  | 59.12  | 0.72   | 23  |       |    | 22  | 654 |
| 80190  | 59.12  | 59.89  | 0.77   |     | 0.046 |    | 30  | 334 |
| 80191  | 59.89  | 60.84  | 0.95   | 25  |       |    | 110 | 772 |
| 80192  | 60.84  | 62.08  | 1.24   | 60  |       |    | 58  | 792 |
| 80193  | 62.73  | 63.62  | 0.89   | 69  |       |    | 16  | 346 |
| 80194  | 73.81  | 74.46  | 0.65   | 15  |       |    | 8   | 22  |
| 80195  | 70.05  | 70.68  | 0.63   | 8   |       |    | 26  | 38  |
| 80196  | 72.24  | 73.19  | 0.95   | 33  |       |    | 78  | 19  |
| 80197  | 73.19  | 73.84  | 0.65   | 8   |       |    | 14  | 22  |
| 83115  | 96.34  | 97.12  | 1.20   | 7   |       |    | 18  | 41  |
| 80198  | 99.00  | 100.08 | 1.08   | 14  |       |    | 4   | 29  |
| 80199  | 100.08 | 100.75 | 0.67   | 115 |       |    | 34  | 24  |
| 80200  | 100.75 | 101.78 | 1.03   | 6   |       |    | 12  | 22  |
| 80201  | 101.78 | 103.00 | 1.22   | 6   |       |    | 18  | 25  |
| 80202  | 103.00 | 103.85 | 0.85   | 4   |       |    | 18  | 33  |
| 80203  | 118.58 | 119.73 | 1.15   | 7   |       |    | 24  | 37  |
| 80204  | 121.01 | 122.08 | 1.07   | 7   |       |    | 30  | 33  |
| 80205  | 122.08 | 122.65 | 0.57   | 10  |       |    | 162 | 43  |
| 80206  | 122.65 | 123.70 | 1.05   | 10  |       |    | 20  | 39  |
| 80207  | 123.70 | 124.50 | 0.80   | 10  |       |    | 12  | 32  |
| 80208  | 124.50 | 125.97 | 1.47   | 6   |       |    | 38  | 40  |
| 80209  | 125.97 | 126.84 | 0.87   | 30  |       |    | 184 | 41  |
| 80210  | 126.84 | 128.00 | 1.16   | 10  |       |    | 52  | 38  |
| 80211  | 128.00 | 129.42 | 1.42   | 8   |       |    | 52  | 34  |
| 80212  | 129.42 | 130.30 | 0.88   | 7   |       |    | 68  | 44  |
| 80213  | 130.30 | 131.18 | 0.88   | 7   |       |    | 54  | 41  |
| 80214  | 131.18 | 132.64 | 1.46   | 7   |       |    | 68  | 41  |
| 80215  | 132.64 | 133.31 | 0.67   | 36  |       |    | 152 | 57  |
| 80216  | 133.31 | 133.90 | 0.59   | 203 |       |    | 12  | 35  |

ASSAYS DDH-261-87-4

| SAMPLE | START  | END    | CORE L | Au | AUoz | AS | CU | ZN |
|--------|--------|--------|--------|----|------|----|----|----|
| 80217  | 133.90 | 134.33 | 0.43   | 45 |      |    | 14 | 39 |
| 80218  | 134.33 | 135.05 | 0.72   | 40 |      |    | 14 | 41 |
| 80219  | 135.05 | 136.25 | 1.20   | 10 |      |    | 10 | 42 |
| 80220  | 136.25 | 137.22 | 0.97   | 15 |      |    | 38 | 50 |
| 80221  | 138.45 | 139.85 | 1.40   | 29 |      |    | 14 | 43 |



**LEGEND**

- 10 DIABASE
- 9 MAFIC INTRUSIVES
- 8 FELSIC INTRUSIVES
- 7 CHEMICAL SEDIMENTS
- 6 SEDIMENTS
- 5 FELSIC VOLCANICS
- 4 INTERMEDIATE - FELSIC VOLCANICS
- 3 MAFIC - INTERMEDIATE VOLCANICS
- 2 MAFIC VOLCANICS
- 1 ULTRAMAFIC FLOWS / INTRUSIVES

NEWMONT EXPLORATION  
OF CANADA LIMITED

DDH 261-87-4

|                         |                  |                   |
|-------------------------|------------------|-------------------|
| PROPERTY: GOLDEN SHIELD |                  |                   |
| TWP. AREA: HOBLITZELL   |                  |                   |
| PROVINCE: ONT.          | N.T.S.: 32E/5    | DATE: FEB. 12 '87 |
| DRAWN BY: A.H.R.        | CHECKED BY: M.J. | DWG. No.: GS87-4  |
| SCALE: 1:1000           | PROJECT: 261     |                   |

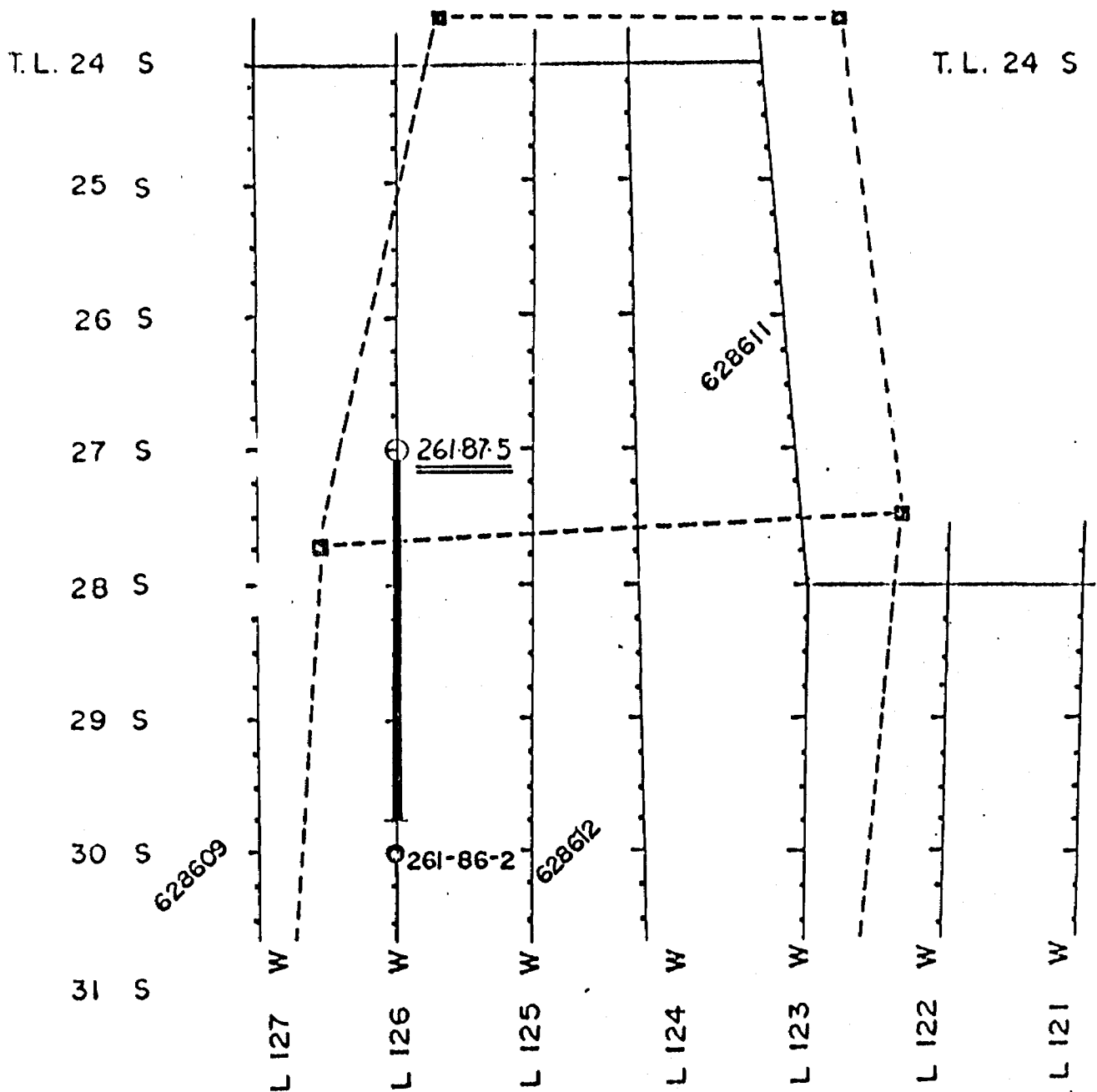
DIAMOND DRILL HOLE RECORD

Hole No 261-87-5

| Location    | Dip Test   | level   | Horizontal Component | 275                | Date Started     | 17/03/67                   |
|-------------|------------|---------|----------------------|--------------------|------------------|----------------------------|
| Area or Twp | H06LITZELL | Footage | Angle                | Vertical Component | 182              | Date Finished 21/03/67     |
|             | 0          | 45      |                      |                    |                  |                            |
| Claim No    | 628611,12  | 152     | 32                   | Elevation          | Azimuth 180      | Logged By: J. LAFLEUR      |
|             |            | 305     | 24                   | Latitude 27+00S    | Length 330.71    | Purpose IP/GEOL SECTION    |
| NTS         | 32E/5      |         |                      | Departure 126+00W  | Core Loc TIMMINS | Recovery 100               |
|             |            |         |                      |                    |                  | Drilled By: HEATH/SHERWOOD |

Diamond Drill Hole Location Sketch

SCALE 1:5000 Metric







| FROM   | TO     | SUB | DESCRIPTION   | ANG SULF |
|--------|--------|-----|---|----------|
|        |        |     | intersected in 261-87-1                               |          |
|        |        |     | grey  |          |
|        |        |     | green grey  |          |
|        |        |     | chlorite-sericite banding present                     |          |
|        |        |     | as well as sericite bands                             |          |
|        |        |     | weak carbonate alteration                             |          |
|        |        |     | as porphyroblasts                                     |          |
|        |        |     | Quartz carbonate veining                              |          |
|        |        |     | up to 10 cm   |          |
|        |        |     | disseminated sulphides 1 to 5%                        |          |
|        |        |     | pyrite and chalcopyrite                               |          |
|        |        |     | pyrite occurs as fine stringer                        |          |
|        |        |     | sulphides common                                      |          |
|        |        |     | secondary (syn foliation)                             |          |
|        |        |     | rock moderately magnetic                              |          |
| 117.75 | 132.59 |     | sulphides 1 to 5% , pyrite                            |          |
| 132.59 | 141.24 |     | minor sulphides <1%                                   |          |
| 133.73 | 136.59 |     | moderate to intense cataclasis                        | 60       |
|        |        |     | Quartz carbonate veining                              |          |
|        |        |     | 2-5%  |          |
| 134.59 | 135.24 |     | garnetiferous   |          |
|        |        |     | 5%  |          |
| 136.59 | 141.24 |     | hybrid tuffs  |          |
|        |        |     | laminations at indicated angle to core axis           | 55       |
|        |        |     | becoming less distinct                                |          |
|        |        |     | weak carbonate alteration                             |          |
|        |        |     | recrystallized  |          |
|        |        |     | and non magnetic                                      |          |
|        |        |     | Quartz carbonate veining                              |          |
|        |        |     | in host   |          |
| 141.24 | 144.78 |     | GRANITE   |          |
|        |        |     | contact transitional                                  |          |
|        |        |     | upper contact   |          |
|        |        |     | sulphides common                                      |          |
| 144.78 | 146.88 |     | HYBRID TUFFS  |          |
|        |        |     | as 136.59-141.24                                      |          |
|        |        |     | non magnetic  |          |
|        |        |     | sulphides common                                      |          |
| 146.88 | 174.36 |     | GRANITE   |          |
|        |        |     | as main intrusive uphole                              | 75       |
|        |        |     | occasional hybrid sections containing up to 1% pyrite |          |
| 170.36 | 174.36 |     | DIORITE   |          |
|        |        |     | chilled upper-lower contacts                          |          |
|        |        |     | grey  |          |
|        |        |     | along margins   |          |
|        |        |     | contact sharp   |          |

| FROM   | TO     | SUB | DESCRIPTION   | ANG SULF |
|--------|--------|-----|---|----------|
|        |        |     | with granite<br>contact at indicated angle to core axis<br>upper and lower<br>sulphides common<br>Quartz carbonate veining<br>rock weakly magnetic<br>xenoliths rare                              | 70       |
| 174.36 | 330.71 |     | ash tuff VOLCANICLASTIC SEDIMENT<br>as 117.75-141.24<br>sulphides common<br>layering locally contorted<br>Quartz carbonate veining  |          |
| 174.36 | 176.59 |     | Quartz carbonate veining, 20%<br>pyrite, hematite present<br>sericite common along fractures throughout   |          |
| 188.79 | 215.38 |     | patchy hematization   |          |
|        | 192.59 |     | mica-rich (bleach) bands<br>5-15 cm<br>sulphides common<br>2-3% pyrite as disseminations<br>pyrite occurs as fine stringer<br>garnetiferous<br>tr - 1%  | 70       |
| 194.15 | 194.73 |     | silicification common<br>with quartz flooding<br>rock moderately magnetic   |          |
| 207.79 | 213.78 |     | coarse grained<br>metamorphic recrystallization<br>rock well laminated<br>chloritic vs feldspar rich<br>sericite associated<br>garnetiferous  |          |
| 214.83 | 215.38 |     | Quartz carbonate veining<br>50%<br>sulphides common<br>2-3% pyrite  |          |
|        | 214.83 |     | foliations at indicated angle to core axis  | 60       |
| 215.38 | 232.02 |     | Quartz carbonate veining<br>5-7%<br>trace to 1% pyrite<br>chlorite on the increase  |          |
| 232.02 | 272.00 |     | contact transitional<br>lower<br>chlorite intense<br>foliations at indicated angle to core axis<br>weak carbonate alteration<br>contorted boudinaged layers possible "basalt unit"<br>of 261-87-1 | 72       |

| FROM   | TO     | SUB    | DESCRIPTION  | ANG SULF |
|--------|--------|--------|--|----------|
|        |        |        | Quartz carbonate veining<br>30% clay from feldspar as veinlets<br>-streaks parallel to foliation<br>sulphides common<br>trace to 1% pyrite<br>rock weakly magnetic   |          |
|        |        | 238.00 | foliations at indicated angle to core axis   | 85       |
|        |        | 239.90 | leucoxene<br>Unit likely intermediate tuffs with intense<br>desilicification<br>and chloritization. Excess silica reflected in flooding<br>Segregational layering<br>during deformation and metamorphism   |          |
| 245.75 | 251.46 |        | Inhomogeneity of unit distinct with few sericite<br>versus chlorite rich bands chlorite- <i>amphibole</i> wisps<br>of variable intensity   |          |
| 258.60 | 258.86 |        | Stockwork of quartz carbonate veining  |          |
| 262.53 | 262.66 |        | strong chlorite alteration<br>chalcopyrite, minor  |          |
|        |        | 262.00 | foliations at indicated angle to core axis   | 75       |
| 272.00 | 291.91 |        | coarse grained<br>porphyroblastic chlorite and <i>amphibole</i><br>magnetite, feldspar, quartz<br>pyrite and chalcopyrite<br>garnetiferous<br>unit appears granular banding disappears<br>Amphibolite facies<br>Quartz carbonate veining<br>1-2% |          |
|        |        | 278.50 | foliations at indicated angle to core axis   | 70       |
| 291.91 | 296.83 |        | fine grained<br>aphanitic<br>green grey<br>rock well laminated<br>finely<br>ash tuff, chloritic<br>siliceous   |          |
|        |        | 292.81 | weak sericite alteration   |          |
|        |        | 294.75 | bands  |          |
|        |        | 295.85 | foliations at indicated angle to core axis<br>trace to 1% pyrite<br>rock weakly magnetic   | 75       |
|        |        |        | Quartz carbonate veining<br>with chlorite and pyrite   |          |
| 296.83 | 330.71 |        | cataclasis recrystallization increasing<br>downhole. Alternate zones of aphanitic and <i>agr</i> tuffs<br>rock strongly magnetic<br>magnetite common, as bands   |          |
|        |        | 302.58 | weak carbonate alteration  |          |

| FROM | TO     | SUB | DESCRIPTION   | ANG | SULF |
|------|--------|-----|---|-----|------|
|      |        |     | decreases downhole  |     |      |
|      | 309.00 |     | foliations at indicated angle to core axis<br>Quartz carbonate veining , pyrite present<br>1 - 2% | 75  |      |
|      | 325.00 |     | rock weakly magnetic<br>foliations at indicated angle to core axis                                | 75  |      |
|      | 330.71 |     | END OF HOLE   |     |      |

*Murray Jones.*

## ASSAYS DDH-261-87-5

| SAMPLE | START  | END    | CORE L | Au ppb | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 80676  | 117.05 | 117.75 | 0.75   | 11     | 0      | 44     | 86     |
| 80677  | 117.75 | 119.10 | 1.35   | 29     | 0      | 100    | 304    |
| 80678  | 119.10 | 120.55 | 1.45   | 32     | 0      | 188    | 402    |
| 80679  | 120.55 | 122.03 | 1.48   | 85     | 5      | 480    | 794    |
| 80680  | 122.03 | 123.40 | 1.37   | 81     | 5      | 44     | 618    |
| 80681  | 123.40 | 124.72 | 1.32   | 88     | 0      | 400    | 460    |
| 80682  | 124.72 | 126.19 | 1.47   | 85     | 0      | 520    | 372    |
| 80683  | 126.19 | 127.58 | 1.39   | 97     | 0      | 380    | 298    |
| 80684  | 127.58 | 128.94 | 1.36   | 86     | 0      | 400    | 338    |
| 80685  | 128.94 | 130.34 | 1.40   | 58     | 0      | 280    | 356    |
| 80686  | 130.34 | 131.74 | 1.40   | 70     | 0      | 420    | 356    |
| 80687  | 131.74 | 133.19 | 1.45   | 70     | 0      | 300    | 336    |
| 80688  | 133.19 | 134.59 | 1.40   | 22     | 0      | 66     | 336    |
| 80689  | 134.59 | 135.24 | 0.65   | 7      | 0      | 68     | 204    |
| 80690  | 135.24 | 136.59 | 1.35   | 10     | 0      | 62     | 306    |
| 80691  | 136.59 | 138.38 | 1.79   | 15     | 0      | 12     | 65     |
| 80692  | 138.38 | 139.78 | 1.40   | 23     | 0      | 10     | 68     |
| 80693  | 139.78 | 141.24 | 1.46   | 12     | 0      | 12     | 84     |
| 80694  | 144.78 | 146.88 | 2.10   | 10     | 0      | 8      | 64     |
| 80695  | 153.40 | 154.77 | 1.37   | 8      | 0      | 8      | 84     |
| 80696  | 154.77 | 155.72 | 0.95   | 12     | 0      | 20     | 87     |
| 80697  | 174.36 | 174.86 | 0.50   | 10     | 0      | 18     | 75     |
| 80698  | 174.86 | 175.56 | 0.70   | 18     | 0      | 26     | 75     |
| 80699  | 175.56 | 176.56 | 1.00   | 8      | 0      | 80     | 184    |
| 80700  | 176.56 | 178.61 | 2.05   | 19     | 0      | 70     | 134    |
| 80701  | 188.79 | 190.40 | 1.61   | 7      | 0      | 18     | 81     |
| 80702  | 190.40 | 192.59 | 2.19   | 8      | 0      | 16     | 90     |
| 80703  | 192.59 | 194.15 | 1.56   | 14     | 0      | 10     | 81     |
| 80704  | 194.15 | 194.73 | 0.58   | 27     | 0      | 26     | 23     |
| 80705  | 194.73 | 196.15 | 1.42   | 10     | 0      | 20     | 24     |
| 80706  | 196.15 | 197.60 | 1.45   | 6      | 0      | 12     | 43     |
| 80707  | 197.60 | 199.04 | 1.44   | 4      | 0      | 6      | 86     |
| 80708  | 199.04 | 200.43 | 1.39   | 7      | 0      | 8      | 62     |
| 80709  | 200.43 | 201.84 | 1.45   | 12     | 0      | 12     | 67     |
| 80710  | 201.84 | 203.26 | 1.42   | 3      | 0      | 18     | 56     |
| 80711  | 203.26 | 204.59 | 1.33   | 6      | 0      | 16     | 59     |
| 80712  | 204.59 | 206.04 | 1.45   | 8      | 0      | 14     | 64     |
| 80713  | 206.04 | 207.49 | 1.45   | 6      | 0      | 20     | 51     |
| 80714  | 207.49 | 208.86 | 1.37   | 4      | 0      | 22     | 59     |
| 80715  | 208.86 | 210.19 | 1.33   | 6      | 0      | 18     | 58     |
| 80716  | 210.19 | 211.64 | 1.43   | 8      | 0      | 12     | 54     |
| 80717  | 211.64 | 212.88 | 1.24   | 6      | 0      | 16     | 58     |
| 80718  | 212.88 | 213.66 | 0.78   | 25     | 0      | 10     | 59     |
| 80719  | 214.83 | 215.38 | 0.55   | 12     | 0      | 44     | 83     |
| 80720  | 232.02 | 232.67 | 0.65   | 40     | 0      | 6      | 214    |
| 80721  | 232.67 | 233.37 | 0.70   | 12     | 0      | 12     | 318    |
| 80722  | 233.37 | 234.14 | 0.77   | 7      | 0      | 12     | 164    |
| 80723  | 258.16 | 258.86 | 0.70   | 7      | 0      | 88     | 150    |
| 80724  | 262.38 | 262.81 | 0.43   | 15     | 0      | 190    | 78     |
| 80725  | 284.99 | 286.51 | 1.52   | 59     | 0      | 30     | 266    |
| 80726  | 295.05 | 296.25 | 1.20   | 38     | 0      | 20     | 280    |

ASSAYS DDH-261-B7-5

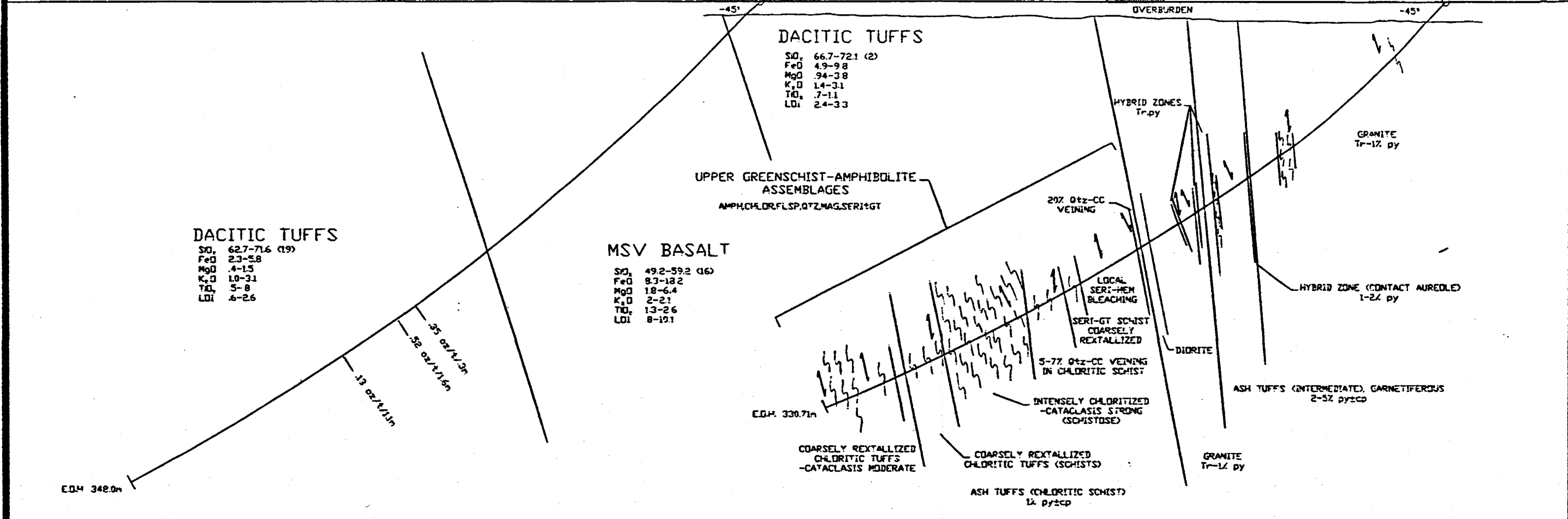
| SAMPLE | START  | END    | CORE L | Au ppb | As ppm | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 80727  | 296.25 | 296.83 | 0.58   | 77     | 0      | 26     | 274    |
| 80728  | 296.83 | 297.58 | 0.75   | 36     | 0      | 10     | 150    |

33+00S — 32+50S — 300+20 — 300+10 — 31+00S — 30+50S — 30+00S — 29+50S — 29+00S — 28+50S — 28+00S — 27+50S — 27+00S

LINE 125+00W

DDH261-86-2

DDH261-87-5



NEWMONT EXPLORATION  
 OF CANADA LIMITED

DDH261-87-5

PROPERTY: GOLDEN SHIELD

TWP / AREA:

|                |              |                 |
|----------------|--------------|-----------------|
| PROVINCE: ONT. | N.T.S.       | DATE: MAY 21/87 |
| DR BY: A.H.R.  | CHK BY: M.J. | DWG# GS87-5     |
| SCALE: 1:10000 | PROJECT: 261 |                 |



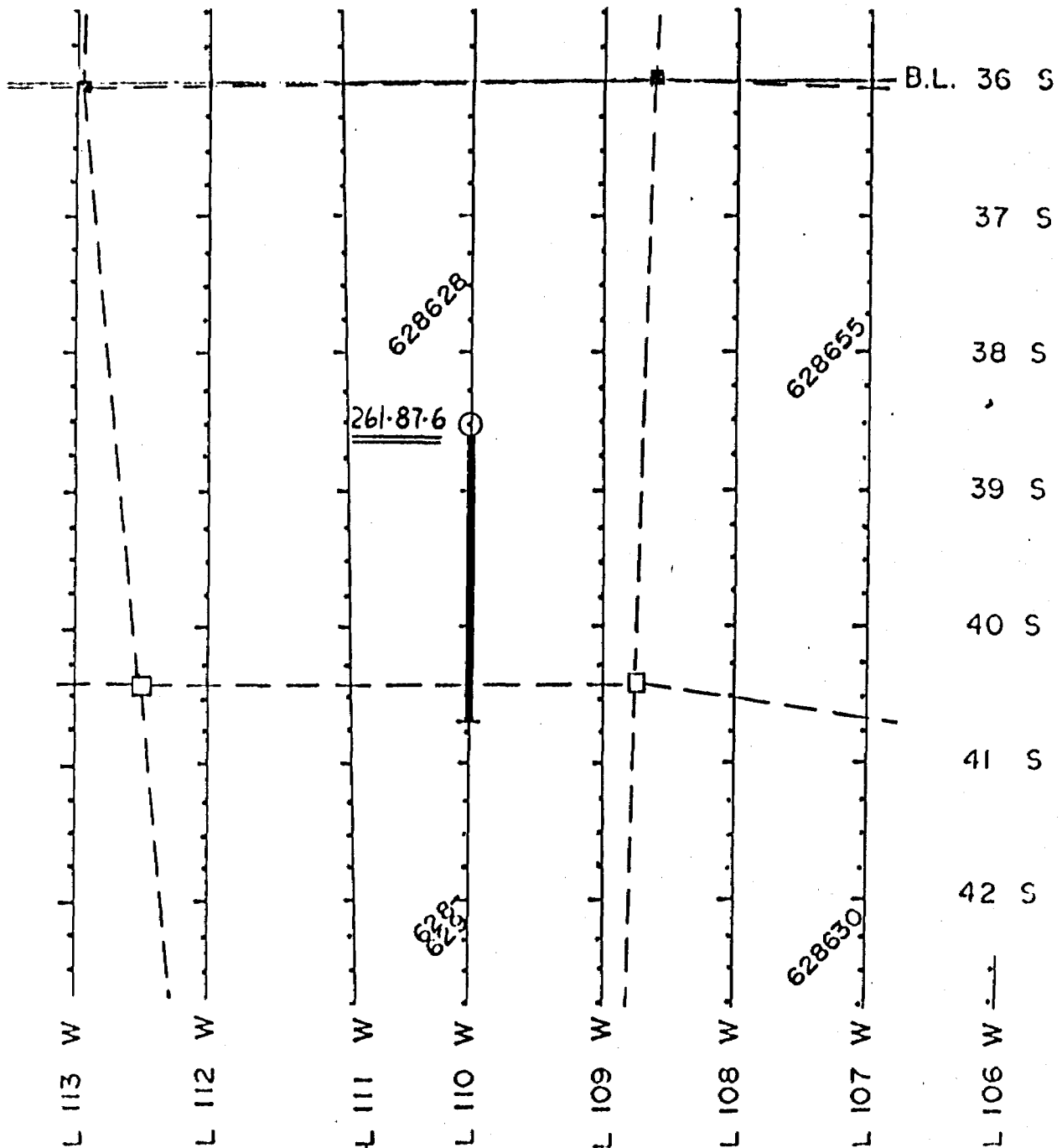
DIAMOND DRILL HOLE RECORD

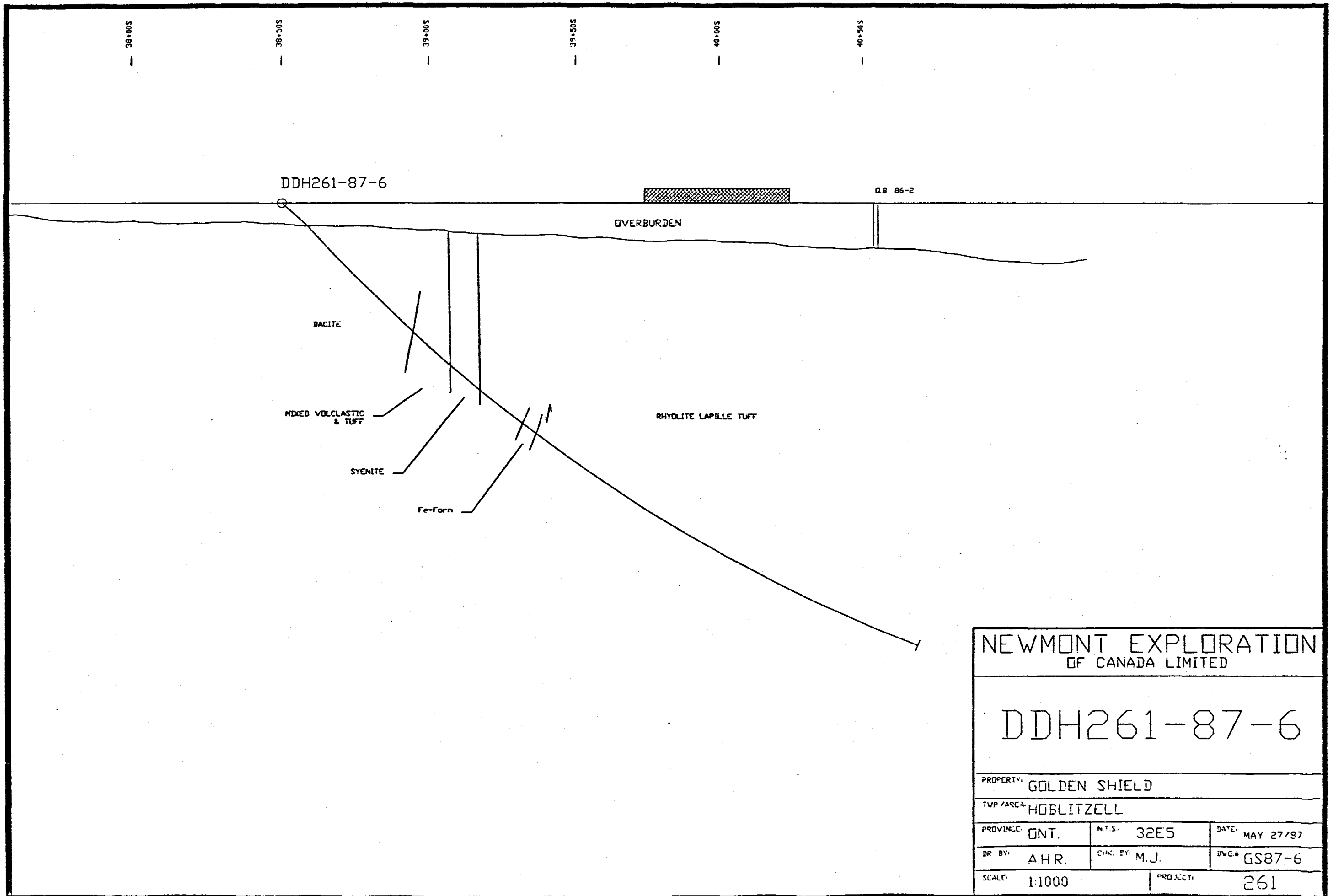
Hole No 261-87-6

| Location               | Dip Test | Level | Horizontal Component | 219              | Date Started              | 19/03/87 |
|------------------------|----------|-------|----------------------|------------------|---------------------------|----------|
| Area or Imp HORLITZELL | Footage  | Angle | Vertical Component   | 156              | Date Finished             | 22/03/87 |
|                        | 0        | 45    |                      |                  |                           |          |
| Claim No 626628,29     | 152.4    | 37    | Elevation            | Azimuth 180      | Logged By: J.A. TURNER    |          |
|                        | 274.32   | 19    | Latitude 38+50S      | Length 274.93    | Purpose QVB/IP ANOMALY    |          |
| NTS 32E5               |          |       | Departure 110+00W    | Core Loc TIMMINS | Recovery 100              |          |
|                        |          |       |                      |                  | Drilled By: HEATHSHEPWOOD |          |

Diamond Drill Hole Location Sketch

SCALE 1:5000 Metric





| FROM  | TO    | SUB | DESCRIPTION  | ANG SULF |
|-------|-------|-----|--|----------|
| 0.00  | 12.80 |     | CASING   |          |
| 12.80 | 62.62 |     | RHYODACITE PORPHYRY<br>media grained greenish grey rock ,fine grain sections<br>moderate chlorite alteration<br>feldspar phenocrysts common<br>phenocrysts elongate parallel to foliations<br>minor K-spar alteration<br>weak sericite alteration<br>weak calcite alteration<br>minor disseminated sulphides <1%<br>fragments common<br>fragments elongate parallel to foliation<br>minor sulfides in finer grained matrix<br>some are annealed or destroyed | 60       |
| 31.30 | 31.80 |     | strong silicification<br>contact transitional  |          |
| 31.80 | 33.00 |     | Stockwork of quartz carbonate veining<br>moderate sericite alteration<br>moderate chlorite alteration<br>rock highly fractured<br>chloritic sericitic sections throughout the veins  |          |
|       | 32.00 |     | foliations at indicated angle to core axis<br>rock weakly magnetic<br>rock strongly magnetic in the coarser grained sections<br>weak sericite alteration<br>weak chlorite alteration minor hematite<br>argillite ripups(1ca),stretched// to foliation<br>minor quartz veining and silica flooding<br>along some fractures<br>contact transitional over several cm's  | 70       |
| 62.62 | 81.90 |     | MIXED DACITE TO RHYOLITE TUFFS<br>fine grained grey rock<br>moderate chlorite alteration<br>weak sericite alteration<br>minor disseminated sulphides <1%<br>weak calcite alteration increasing downhole<br>feldspar phenocrysts common in sections throughout<br>rock well laminated<br>granoblastic texture mostly in the porphyry sections   | 80       |
| 71.68 | 73.20 |     | IRON FORMATION ,weakly developed<br>rock moderately magnetic<br>magnetite common 3-5% disseminated<br>minor quartz as sweets and boudins<br>fine py+chlorite in the veins  |          |
|       | 78.00 |     | alternate light and dark laminations/bands   | 80       |
| 79.97 | 81.90 |     | Quartz carbonate veining as sweets // lamination<br>strong silicification  |          |

| FROM   | TO     | SUB    | DESCRIPTION   | ANG SULF |
|--------|--------|--------|---|----------|
|        |        |        | strong chlorite alteration<br>weak sericite alteration<br>pyrite<br>wisps of sulphide parallel to foliations<br>rock weakly magnetic disseminated magnetite   | 102      |
| 81.90  | 92.30  |        | DIORITE or SYENITE<br>medium grained reddish brown rock<br>often porphyritic<br>weak calcite alteration<br>contact sharp<br>rock faintly laminated<br>rock weakly magnetic  | 55       |
|        |        | 86.50  | minor quartz veins 5-10cm<br>magnetite common minor pyrite  |          |
|        |        | 88.00  | 88.60 Quartz vein as sweets and boudins<br>minor fracturing<br>muscovite common ,hematite, minor pyrite in the vein   |          |
| 92.30  | 201.80 |        | VDLCANICLASTIC TUFFS and LAPILLI TUFFS<br>fine grained reddish brown rock to black<br>moderate chlorite alteration<br>moderate silicification<br>moderate sericite alteration<br>alternate light and dark laminations/bands streaks<br>wispy sulphide bands common // to bedding, rextallized<br>chert fragments common | 5        |
|        |        | 96.02  | garnets common<br>phenocrysts elongate parallel to foliations   |          |
|        |        | 97.00  | rock moderately hematized<br>minor quartz eyes observed 1cm, embayed, blue<br>vuggy section thin throughout<br>Quartz carbonate veining few as sweets and boudins<br>feldspar=>carbonate alteration   |          |
|        |        | 98.00  | bedding at indicated angle to core axis   | 85       |
|        |        | 110.00 | unit grades into a lapilli tuff<br>alternate light and dark laminations/bands<br>euhedral pyrite crystals throughout<br>wispy sulphide bands common and clots   | 80       |
| 103.30 | 103.40 |        | cpy with py/po--cpy 3-5%<br>magnetite common ==>hematite<br>fragments elongate parallel to foliation<br>quartz eyes common blue, embayed, fractured 1/2cm--1%<br>garnets common to 1/2cm  |          |
|        |        | 109.00 | Dacite Lapilli Tuff<br>chert and rhyolite fragments<br>rock moderately magnetic<br>rock moderately hematized<br>pyrite  | 1-3      |

| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
|        |        |     | calcite along fractures  |          |
| 109.46 | 109.66 |     | Quartz carbonate veining py/po--<br>moderate fracturing  | <1       |
| 114.96 | 117.00 |     | JASPERDIDAL IRON FORMATION<br>strong hematization after magnetite<br>jasper fragments in magnetite matrix<br>moderate epidote alteration<br>minor magnetite bands throughout   |          |
| 118.00 | 120.40 |     | strong hematization<br>granoblastic texture of the more acid fragments   |          |
|        | 120.75 |     | foliations at indicated angle to core axis   | 60       |
|        | 125.00 |     | granoblastic texture of the matrix<br>garnets common with pyrite in the same crystals  |          |
|        | 129.90 |     | laminations at indicated angle to core axis<br>strong chlorite alteration in sections<br>crystal tuff sections<br>quartz eyes common blue, embayed to 10%<br>strong hematization spotty  | 50       |
|        | 144.00 |     | Rhyolite Lapilli Tuff<br>contact transitional  |          |
| 154.00 | 160.00 |     | Quartz vein minor up to 10% over several cm's<br>tourmaline in some quartz veins<br>chlorite common<br>rock moderately hematized   |          |
|        | 161.00 |     | laminations at indicated angle to core axis<br>pyrite over several cm's  | 65<br>20 |
|        | 172.00 |     | garnets common<br>medium grained greenish grey rock<br>weak chlorite alteration<br>weak sericite alteration<br>biotite common<br>rhyolite fragments<br>fragments elongate parallel to foliation<br>alternate light and dark laminations/bands<br>minor disseminated sulphides <1%<br>euhedral pyrite crystals throughout along laminations<br>most py/mt/chl is confined to matrix<br>granoblastic texture | 80       |
| 172.00 | 175.00 |     | quartz eyes common<br>phenocrysts elongate parallel to foliations 1-2%<br>chalcopyrite trace   |          |
| 175.00 | 182.30 |     | biotite common to 5% in clots<br>mildly altered rock<br>magnetite common 1-3%<br>disseminated sulphides 1 to 5%<br>weak sericite alteration<br>weak chlorite alteration<br>patchy hematization   |          |
| 177.80 | 180.10 |     | Quartz carbonate veining   |          |

| FROM   | TO     | SUB    | DESCRIPTION   | ANG SULF |
|--------|--------|--------|---|----------|
|        |        |        | moderate chlorite alteration<br>disseminated sulphides 1 to 5%<br>muscovite common<br>magnetite common<br>contact sharp   | 65       |
| 182.30 | 186.00 |        | alternate light and dark laminations/bands<br>fragments elongate parallel to laminations<br>garnets common  | 70       |
| 186.00 | 189.00 |        | moderate sericite alteration<br>weak ankerite alteration<br>some bleaching  |          |
| 189.00 | 193.00 |        | magnetite common<br>minor disseminated sulphides <1%  |          |
| 193.00 | 195.00 |        | moderate sericite alteration<br>pyrite  | 2-5      |
| 195.00 | 201.80 |        | moderate chlorite alteration<br>patchy hematization<br>minor quartz eyes observed<br>Transition Zone<br>fine grained grey rock ,soft<br>moderate sericite alteration<br>weak chlorite alteration<br>minor disseminated sulphides <1%<br>moderate calcite alteration<br>minor quartz |          |
| 201.80 | 238.21 |        | UNDIFFERENTIATED INTRUSIVE ROCK   |          |
|        | 201.80 | 204.76 | Dacite Porphyry<br>fine grained grey rock<br>moderate chlorite alteration<br>moderate sericite alteration<br>rock faintly laminated<br>pyrite +magnetite <1%  | 50       |
|        | 204.76 | 209.15 | Transition Zone<br>minor andesite and quartz along contact<br>moderate chlorite alteration<br>moderate sericite alteration bleached in places<br>foliations at indicated angle to core axis<br>biotite common   | 80       |
|        | 209.15 | 214.80 | Andesite Dyke<br>fine grained green rock aphanitic  |          |
|        | 214.80 | 215.43 | contact sharp ,upper<br>contact transitional ,lower-quartz vein,sheared<br>weak chlorite alteration<br>moderate sericite alteration<br>biotite common<br>tourmaline in some quartz veins<br>moderate fracturing   | 70       |
|        | 215.43 | 238.21 | Diorite and Syenite   |          |

| FROM   | TO     | SUB | DESCRIPTION   | ANG SULF   |
|--------|--------|-----|---|------------|
|        |        |     | medium grained greenish grey rock to pinkish<br>moderate chlorite alteration<br>rock weakly magnetic<br>grades into massive diorite<br>Quartz carbonate veining several thin widely spaced<br>216.0-216.4, 219.14-219.2, 223.0-223.6  |            |
| 220.60 | 220.80 |     | garnets common, quartz vein   | 50         |
| 236.00 | 238.40 |     | contact sharp<br>moderate sericite alteration<br>moderate chlorite alteration near contact  | 70         |
| 238.21 | 258.70 |     | DACITE to RHYDLITE LAPILLI TUFF<br>pyrite on contact<br>moderate sericite alteration<br>weak chlorite alteration<br>subhedral pyrite crystals throughout ubiquitous<br>quartz eyes common<br>fragments elongate parallel to laminations flattened<br>laminations at indicated angle to core axis<br>wispy sulphide bands common, py/po<br>bands up to 10% | 60<br>1-5% |
|        | 253.90 |     | Quartz vein, tourmaline also at 255.07<br>granoblastic texture<br>occasional large porphyry blocks (10cm)<br>fragments elongate parallel to laminations<br>biotite common increasing to 5% locally<br>few garnets<br>contact transitional over several cm's   | 20<br>65   |
| 258.70 | 274.93 |     | FINE, CHLORITIC TUFF AND ARKOSIC SEDIMENT<br>fine grained green rock, soft<br>strong chlorite alteration<br>weak sericite alteration<br>rock well laminated<br>biotite common   | 75         |
| 273.93 |        |     | END OF HOLE   |            |

*Murray Jones*

## ASSAYS DDH 261-87-6

| SAMPLE | FROM   | TO     | CORE L | ppb Au | ppm Cu | ppm Zn |
|--------|--------|--------|--------|--------|--------|--------|
| -----> | -----> | -----> | -----> | -----> | -----> | -----> |
| 83729  | 31.30  | 31.80  | 0.50   | 10     | 22     | 64     |
| 83730  | 31.80  | 32.30  | 0.50   | 11     | 12     | 41     |
| 83731  | 32.30  | 32.83  | 0.53   | 15     | 60     | 298    |
| 83732  | 32.83  | 33.47  | 0.64   | 11     | 18     | 63     |
| 83733  | 33.47  | 33.90  | 0.43   | 12     | 24     | 73     |
| 83734  | 71.35  | 71.83  | 0.48   | 14     | 12     | 29     |
| 83735  | 71.83  | 72.83  | 1.00   | 10     | 16     | 71     |
| 83736  | 79.79  | 80.49  | 0.70   | 11     | 22     | 72     |
| 83737  | 80.49  | 81.43  | 0.94   | 25     | 60     | 48     |
| 83738  | 81.43  | 81.94  | 0.51   | 29     | 68     | 204    |
| 83739  | 92.89  | 93.89  | 1.00   | 274    | 44     | 332    |
| 83740  | 93.89  | 94.89  | 1.00   | 25     | 62     | 272    |
| 83741  | 94.89  | 95.89  | 1.00   | 27     | 92     | 284    |
| 83742  | 95.89  | 96.40  | 0.51   | 40     | 32     | 254    |
| 83743  | 102.75 | 103.75 | 1.00   | 33     | 800    | 444    |
| 83744  | 103.75 | 104.75 | 1.00   | 29     | 106    | 330    |
| 83745  | 104.75 | 105.75 | 1.00   | 33     | 96     | 34     |
| 83746  | 105.75 | 106.75 | 1.00   | 23     | 138    | 366    |
| 83747  | 106.75 | 107.75 | 1.00   | 38     | 110    | 332    |
| 83748  | 107.75 | 108.75 | 1.00   | 32     | 88     | 318    |
| 83749  | 108.75 | 109.75 | 1.00   | 95     | 240    | 328    |
| 83750  | 109.75 | 110.75 | 1.00   | 30     | 360    | 326    |
| 83751  | 110.75 | 111.75 | 1.00   | 41     | 112    | 384    |
| 83752  | 111.75 | 112.75 | 1.00   | 23     | 100    | 438    |
| 83753  | 112.75 | 113.75 | 1.00   | 23     | 86     | 2240   |
| 83754  | 113.75 | 114.75 | 1.00   | 21     | 82     | 318    |
| 83755  | 114.75 | 115.75 | 1.00   | 33     | 88     | 276    |
| 83756  | 115.75 | 116.75 | 1.00   | 26     | 108    | 762    |
| 83757  | 116.75 | 117.75 | 1.00   | 21     | 100    | 4260   |
| 83758  | 117.75 | 118.75 | 1.00   | 32     | 76     | 364    |
| 83759  | 118.75 | 119.75 | 1.00   | 30     | 90     | 290    |
| 83760  | 119.75 | 120.75 | 1.00   | 32     | 208    | 242    |
| 83761  | 120.75 | 121.75 | 1.00   | 49     | 154    | 256    |
| 83762  | 121.75 | 122.75 | 1.00   | 43     | 92     | 254    |
| 83763  | 122.75 | 123.75 | 1.00   | 59     | 96     | 210    |
| 83764  | 126.43 | 127.43 | 1.00   | 43     | 108    | 428    |
| 83765  | 127.43 | 128.43 | 1.00   | 34     | 164    | 532    |
| 83766  | 128.43 | 129.43 | 1.00   | 21     | 144    | 288    |
| 83767  | 129.43 | 130.43 | 1.00   | 110    | 88     | 224    |
| 83768  | 130.43 | 131.43 | 1.00   | 21     | 164    | 176    |
| 83769  | 131.43 | 132.43 | 1.00   | 22     | 76     | 186    |
| 83770  | 132.43 | 133.43 | 1.00   | 37     | 114    | 200    |
| 83771  | 133.43 | 134.43 | 1.00   | 47     | 168    | 232    |
| 83772  | 134.43 | 135.43 | 1.00   | 30     | 124    | 164    |
| 83773  | 135.43 | 136.43 | 1.00   | 36     | 98     | 204    |
| 83774  | 136.43 | 137.43 | 1.00   | 40     | 92     | 194    |
| 83775  | 137.43 | 138.43 | 1.00   | 30     | 92     | 49     |
| 83776  | 138.43 | 139.43 | 1.00   | 71     | 120    | 39     |
| 83777  | 139.43 | 140.43 | 1.00   | 171    | 300    | 150    |
| 83778  | 140.43 | 141.43 | 1.00   | 47     | 92     | 336    |
| 83779  | 141.43 | 142.43 | 1.00   | 23     | 66     | 582    |
| 83780  | 142.43 | 143.43 | 1.00   | 126    | 102    | 378    |
| 83781  | 143.43 | 144.43 | 1.00   | 26     | 72     | 476    |
| 83782  | 144.43 | 145.43 | 1.00   | 33     | 104    | 938    |
| 83783  | 153.00 | 154.00 | 1.00   | 158    | 112    | 530    |
| 83784  | 154.00 | 155.00 | 1.00   | 89     | 154    | 408    |



## ASSAYS DDH 261-B7-6

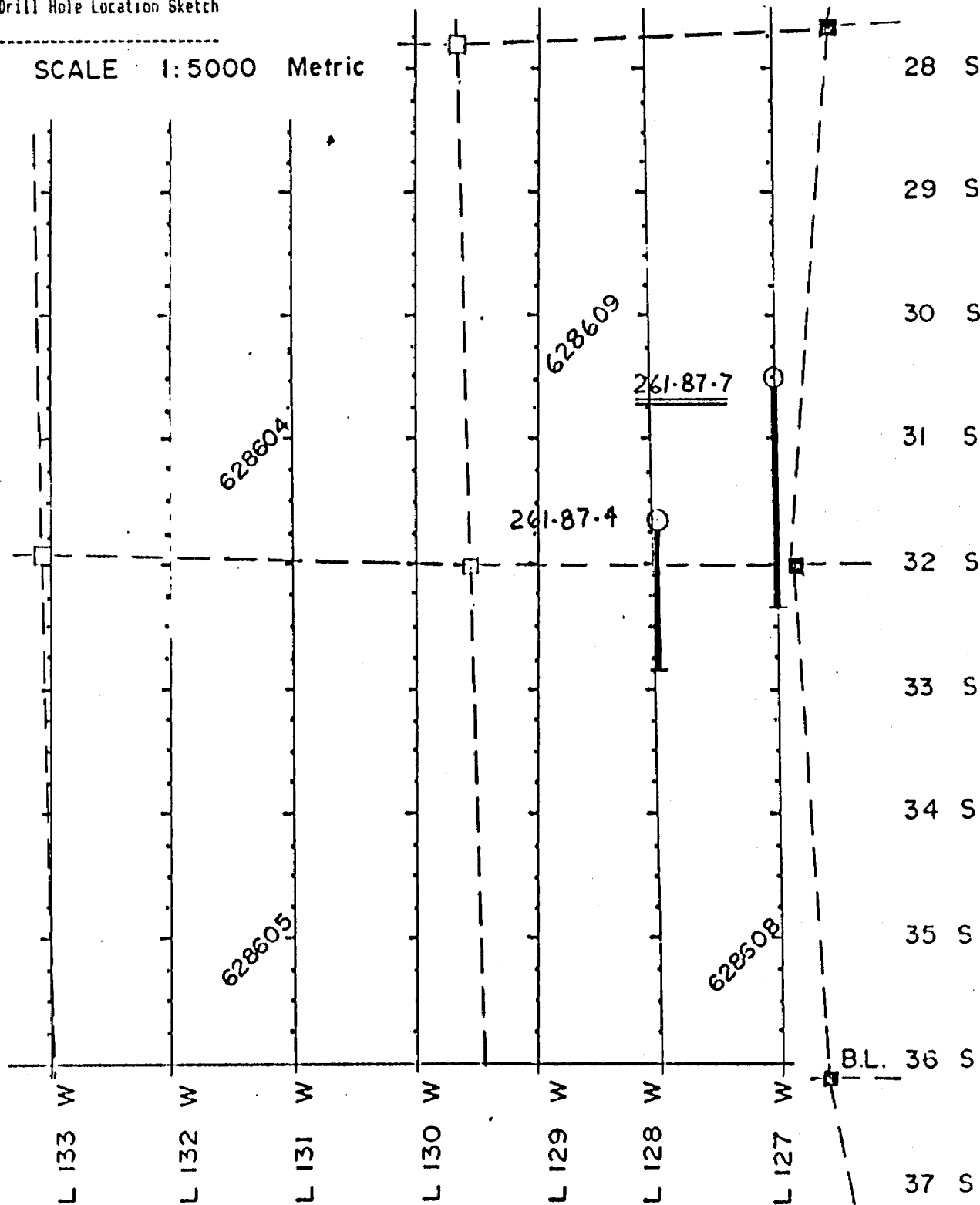
| SAMPLE | FROM   | TO     | CORE L | ppb Au | ppm Cu | ppm Zn |
|--------|--------|--------|--------|--------|--------|--------|
| 83785  | 155.00 | 156.00 | 1.00   | 86     | 86     | 368    |
| 83786  | 156.00 | 157.00 | 1.00   | 213    | 240    | 406    |
| 83787  | 157.00 | 158.00 | 1.00   | 74     | 134    | 770    |
| 83788  | 158.00 | 159.00 | 1.00   | 59     | 184    | 584    |
| 83789  | 159.00 | 160.02 | 1.02   | 93     | 76     | 224    |
| 83790  | 160.02 | 161.02 | 1.00   | 45     | 94     | 274    |
| 83791  | 174.90 | 175.90 | 1.00   | 19     | 76     | 236    |
| 83792  | 175.90 | 176.90 | 1.00   | 125    | 92     | 316    |
| 83793  | 176.90 | 177.90 | 1.00   | 30     | 202    | 274    |
| 83794  | 177.90 | 178.90 | 1.00   | 30     | 36     | 332    |
| 83795  | 178.90 | 179.90 | 1.00   | 73     | 90     | 366    |
| 83796  | 179.90 | 180.90 | 1.00   | 64     | 74     | 338    |
| 83797  | 180.90 | 181.90 | 1.00   | 25     | 98     | 310    |
| 83798  | 181.90 | 182.90 | 1.00   | 112    | 200    | 420    |
| 83799  | 186.00 | 187.00 | 1.00   | 70     | 140    | 204    |
| 83800  | 187.00 | 188.00 | 1.00   | 32     | 198    | 218    |
| 83801  | 188.00 | 189.00 | 1.00   | 121    | 90     | 340    |
| 83802  | 193.40 | 194.40 | 1.00   | 95     | 138    | 312    |
| 83803  | 194.40 | 195.40 | 1.00   | 23     | 74     | 310    |
| 83804  | 207.24 | 207.68 | 0.44   | 88     | 154    | 354    |
| 83805  | 214.77 | 215.36 | 0.59   | 63     | 28     | 146    |
| 83806  | 215.60 | 216.03 | 0.43   | 30     | 30     | 63     |
| 83807  | 218.17 | 218.32 | 0.15   | 159    | 16     | 69     |
| 83808  | 222.97 | 223.53 | 0.56   | 27     | 24     | 30     |
| 83809  | 224.60 | 224.90 | 0.30   | 12     | 24     | 51     |
| 83810  | 247.29 | 248.22 | 0.93   | 73     | 16     | 62     |
| 83811  | 248.22 | 249.22 | 1.00   | 25     | 110    | 338    |
| 83812  | 249.22 | 250.22 | 1.00   | 34     | 84     | 46     |
| 83813  | 250.22 | 251.22 | 1.00   | 222    | 76     | 348    |
| 83814  | 251.22 | 252.22 | 1.00   | 448    | 124    | 396    |
| 83815  | 252.22 | 253.22 | 1.00   | 56     | 102    | 388    |
| 83816  | 253.22 | 254.22 | 1.00   | 52     | 140    | 45     |
| 83817  | 254.22 | 255.22 | 1.00   | 111    | 94     | 288    |
| 83818  | 255.22 | 256.22 | 1.00   | 37     | 78     | 268    |
| 83819  | 256.22 | 257.22 | 1.00   | 34     | 86     | 302    |
| 83820  | 257.22 | 258.22 | 1.00   | 52     | 98     | 256    |
| 83821  | 258.22 | 258.84 | 0.62   | 62     | 152    | 2540   |
| 116701 | 258.84 | 260.34 | 1.50   | 10     | 76     | 410    |
| 116702 | 260.34 | 261.84 | 1.50   | 18     | 82     | 224    |
| 116703 | 261.84 | 263.34 | 1.50   | 10     | 86     | 188    |
| 116704 | 263.34 | 264.84 | 1.50   | 8      | 72     | 176    |
| 116705 | 264.84 | 266.34 | 1.50   | 8      | 56     | 626    |
| 116706 | 266.34 | 267.84 | 1.50   | 19     | 56     | 136    |
| 116707 | 267.84 | 269.34 | 1.50   | 18     | 54     | 118    |
| 116708 | 269.34 | 270.84 | 1.50   | 4      | 58     | 160    |
| 116709 | 270.84 | 272.34 | 1.50   | 7      | 56     | 146    |
| 116710 | 272.34 | 273.84 | 1.50   | 6      | 58     | 162    |
| 116711 | 273.84 | 274.93 | 1.09   | 43     | 62     | 144    |

DIAMOND DRILL HOLE RECORD

Hole No 261-87-7

| Location               | Dip Test | Level | Horizontal Component | 184      | Date Started  | 22/03/87                   |
|------------------------|----------|-------|----------------------|----------|---------------|----------------------------|
| Area or Twp HOBLITZELL | Footage  | Angle | Vertical Component   | 154      | Date Finished | 25/03/87                   |
|                        | 0        | 45    |                      |          |               |                            |
| Claim No 628608,09     | 152      | 37.5  | Elevation            | Azimuth  | 180           | Logged By: J. LAFLEUR      |
|                        | 240      | 33    | Latitude 30+50S      | Length   | 240.80        | Purpose MINERALZN AT DEPTH |
| NTS 35E/5              |          |       | Departure 127+00W    | Core Loc | TINMINS       | Recovery 100               |
|                        |          |       |                      |          |               | Drilled By: HEATHSHERWOOD  |

Diamond Drill Hole Location Sketch



| FROM  | TO     | SUB | DESCRIPTION   | ANG | SULF |
|-------|--------|-----|---|-----|------|
| 0.00  | 6.40   |     | CASING OVERBURDEN   |     |      |
| 6.00  | 147.26 |     | ASH TUFF/GNEISS<br>amphibolite in part<br>well banded and/or streaked<br>foliations at indicated angle to core axis<br>similar to previous section "basalts" in 261-B7-1<br>grey green<br>chlorite common<br>rock moderately sheared<br>soft<br>fine grained<br>medium grained<br>Quartz carbonate veining 2%<br>parallel to foliation, and boudinaged<br>rock strongly magnetic<br>sulphides common<br>pyrite and chalcopyrite<br>Mineralogy: chlorite, mica, feldspar, biotite and garnet<br>latter sporadic, see 22.93 - 23.43. Banding on metre<br>and cm scales:<br>change in grain size, rock type, varying chl content,<br>bio - garnet sections with mag<br>in coarser portions | 70  |      |
| 12.97 | 15.22  |     | chert bands common ash tuff<br>patchy hematization pervasive silicification   |     |      |
|       |        |     | upper contact   | 60  |      |
|       |        |     | lower contact   | 75  |      |
| 25.90 | 28.38  |     | chlorite common intense<br>massive and dense<br>contact transitional at both margins  |     |      |
| 26.31 | 26.63  |     | Quartz carbonate veining  |     |      |
| 26.76 | 27.14  |     | 2 veins   |     |      |
|       | 27.54  |     | 10 cm vein  |     |      |
|       | 28.04  |     | garnetiferous 1 - 2%  |     |      |
| 32.60 | 32.90  |     | chlorite common massive   |     |      |
| 32.90 | 33.90  |     | BASALT ? massive<br>green<br>leucoxene bearing<br>chalcopyrite, 1-2%<br>contact transitional uphole contact gouge   |     |      |
|       | 34.50  |     | foliations at indicated angle to core axis  | 70  |      |
| 33.90 | 62.97  |     | chlorite common intense<br>GNEISS amphibolite<br>rock strongly magnetic extremely dense   |     |      |
| 33.90 | 35.89  |     | fine grained<br>medium grained<br>poorly to moderately foliated banded<br>contact transitional to next subunit<br>streaks - chlorite, amphibole, mag, bio<br>versus fisp rich. Generally on a cm scale  |     |      |
| 35.89 | 36.19  |     | aphanitic fine grained<br>chlorite common massive<br>chlorite-amphibole clots<br>contact transitional both margins  |     |      |

| FROM  | TO    | SUB | DESCRIPTION   | ANG | SULF |
|-------|-------|-----|---|-----|------|
| 36.19 | 36.49 |     | fine grained<br>medium grained<br>chlorite-amphibole clots  |     |      |
| 36.49 | 36.51 |     | contact sharp both margins<br>phen's or p'blasts -amphibole<br>in massive chlorite matrix:dykelet   | 50  |      |
| 36.51 | 37.80 |     | fine grained<br>medium grained  |     |      |
| 37.80 | 38.04 |     | aphanitic fine grained  |     |      |
| 38.04 | 38.63 |     | fine grained<br>medium grained  |     |      |
| 38.63 | 38.83 |     | aphanitic fine grained  |     |      |
| 38.83 | 41.45 |     | foliations at indicated angle to core axis<br>fine grained<br>medium grained  | 60  |      |
| 41.45 | 41.83 |     | aphanitic; fine grained<br>amphibole/chl clots  |     |      |
| 41.83 | 42.07 |     | fine grained<br>medium grained  |     |      |
| 42.07 | 42.37 |     | aphanitic fine grained  |     |      |
| 42.37 | 46.65 |     | fine grained<br>medium grained  |     |      |
| 46.65 | 47.04 |     | aphanitic fine grained  |     |      |
| 47.04 | 47.38 |     | chl-bio clots<br>medium grained   |     |      |
| 47.38 | 52.02 |     | aphanitic fine grained<br>chl-amph clots<br>garnetiferous sporadic  |     |      |
| 52.02 | 62.97 |     | fine grained<br>medium grained  |     |      |
| 59.69 | 60.59 |     | Quartz vein , with chlorite, carbonate<br>sulphides common<br>along margins with bleaching  | 10  | 2-5% |
| 62.97 | 63.16 |     | chert bands common white,opaque   |     |      |
| 63.68 | 63.88 |     | silica flooding<br>shearing common<br>sulphides common , disseminated pyrite  |     | 2-5% |
| 66.52 | 66.86 |     | Quartz carbonate veining<br>sulphides common , trace pyrite   |     |      |
| 66.86 | 67.80 |     | ash tuff banding distinct<br>mm - 1 cm widths<br>chert bands common layers versus<br>pale green chloritic (fgr) bands<br>Quartz vein flooding increases,1-2%<br>1-2% pyrite |     |      |
| 67.80 | 68.03 |     | Quartz carbonate veining<br>trace to 1% pyrite  |     |      |
| 68.65 | 69.37 |     | Quartz carbonate veining 5%<br>2-3% pyrite in vein and host<br>minor shearing   |     |      |
| 72.87 | 73.57 |     | pervasive calcite alteration  |     |      |
|       | 74.57 |     | bleaching<br>Quartz veinlets abundant   |     |      |
| 76.15 | 92.96 |     | pervasive calcite alteration  |     |      |

| FROM   | TO     | SUB | DESCRIPTION                                       | ANG | SULF |
|--------|--------|-----|---|-----|------|
|        |        |     | pale green  |     |      |
|        |        |     | Quartz carbonate veining 2-5%                     |     |      |
|        |        |     | averaging 1 cm wide                               |     |      |
|        | 85.30  |     | foliations at indicated angle to core axis        | 70  |      |
|        | 87.07  |     | axial planar shear; two complementary 60deg flns. |     |      |
|        |        |     | Main scutting fln at 60deg uphole angle           |     |      |
| 87.50  | 91.95  |     | pervasive calcite alteration oxidation common     |     |      |
|        |        |     | Quartz carbonate veining                          |     |      |
|        |        |     | sericite in fractures and veins                   |     |      |
|        |        |     | pale green  |     |      |
| 90.38  | 91.95  |     | Quartz carbonate veining with chl-ser-hem         |     |      |
|        |        |     | 1-2% pyrite                                       |     |      |
| 96.52  | 96.72  |     | gouge   |     |      |
| 104.65 | 109.35 |     | rock moderately sheared to highly sheared         |     |      |
|        |        |     | chlorite common                                   |     |      |
|        |        |     | Quartz carbonate veining                          |     |      |
|        |        |     | tourmaline; 5-10%                                 |     |      |
|        | 105.50 |     | foliations at indicated angle to core axis        | 70  |      |
|        | 109.00 |     | foliations at indicated angle to core axis        | 90  |      |
| 107.55 | 108.47 |     | Stockwork of quartz carbonate veining 50%         |     |      |
|        |        |     | 2-3% pyrite                                       |     |      |
|        |        |     | tourmaline  |     |      |
| 118.51 | 126.59 |     | becoming grey                                     |     |      |
|        |        |     | rock moderately sheared rock highly sheared       |     |      |
|        |        |     | bluish tinge                                      |     |      |
|        |        |     | Quartz veinlets abundant 20-25%                   |     |      |
|        |        |     | pyrite and pyrrhotite as stringers                |     |      |
|        |        |     | and disseminations in host                        |     |      |
|        |        |     | and veins   |     |      |
|        |        |     | biotite common disseminations                     |     |      |
|        |        |     | and stringers                                     |     |      |
| 120.20 | 120.63 |     | pyrite and pyrrhotite 10%                         |     |      |
|        |        |     | in contorted qtz-cc stockwork                     |     |      |
| 123.39 | 123.83 |     | Quartz carbonate veining                          |     |      |
|        |        |     | with chlorite, pyrite, and galena                 |     |      |
| 124.43 | 125.42 |     | Quartz carbonate veining -as above                |     |      |
|        | 125.80 |     | foliations at indicated angle to core axis        | 60  |      |
|        | 135.14 |     | Quartz carbonate veining garnet; 3 cm, chlorite   |     |      |
| 139.42 | 139.68 |     | garnetiferous sporadic; 1-2%                      |     |      |
|        | 140.18 |     | foliations at indicated angle to core axis        | 85  |      |
| 141.57 | 142.41 |     | Quartz carbonate veining                          |     |      |
|        |        |     | with chlorite-sericite-magnetite                  |     |      |
| 145.16 | 165.87 |     | silicification common narrow zones (n scale)      |     |      |
|        |        |     | with chlorite-sericite                            |     |      |
|        |        |     | white to bluish white, and off greys              |     |      |
|        |        |     | sulphides common                                  |     | 1-5% |
|        |        |     | pyrite and chalcopyrite                           |     |      |
| 147.26 | 240.79 |     | FELSIC TUFF                                       |     |      |
|        |        |     | quartz eyes common                                |     |      |
|        |        |     | grey to yellowish green                           |     |      |
|        | 151.70 |     | foliations at indicated angle to core axis        | 70  |      |
|        |        |     | biotite common magnetite common still             |     |      |
| 153.95 | 165.87 |     | sporadic bleaching in host -kspar?-               |     |      |
|        |        |     | and in veins with qtz-cc                          |     |      |

| FROM   | TO     | SUB | DESCRIPTION  | ANG | SULF |
|--------|--------|-----|--|-----|------|
| 154.85 | 156.77 |     | Quartz carbonate veining 5-7%<br>biotite common  |     |      |
| 155.79 | 156.17 |     | cataclastic zone<br>contact sharp upper and lower: 70,50deg<br>sulphides common  |     | 1-2% |
|        | 158.47 |     | feldspar porphyry frags or dykes.  |     |      |
|        | 158.72 |     | Most possible lapilli tuff   |     |      |
| 161.47 | 161.99 |     | Quartz carbonate veining garnetiferous   |     |      |
|        | 161.47 |     | foliations at indicated angle to core axis   | 55  |      |
| 165.87 | 187.03 |     | pervasive hematization<br>rock weakly magnetic<br>shearing common, moderate to intense<br>sulphides common few stringers and blebs<br>several short sections with porphyritic texture<br>Quartz carbonate veining 1-2% |     | 2%   |
|        | 166.00 |     | foliations at indicated angle to core axis   | 60  |      |
| 173.69 | 173.99 |     | Quartz carbonate veining 20%   |     |      |
| 174.51 | 174.89 |     | 3-5% pyrite  |     | 5-8% |
|        | 179.00 |     | foliations at indicated angle to core axis<br>quartz eyes common common in hem unit<br>Segregational layering remains<br>even with cataclastic overprint (cm scale).<br>Possibly indicates coarser tuffs originally    | 85  |      |
| 183.84 | 184.18 |     | Stockwork of quartz carbonate veining<br>sulphides common 8 cm wide massive zone   |     | 75%  |
| 187.03 | 200.45 |     | feldspar phenocrysts common in porphyry<br>grey<br>silicification common<br>poorly to moderately foliated<br>shearing common intense by 195.96<br>trace to 1% pyrite finely disseminated                               |     | 2%   |
| 196.60 | 197.06 |     | Quartz carbonate veining -py-hem-kspar   |     |      |
|        | 199.64 |     | foliations at indicated angle to core axis   | 90  |      |
| 200.45 | 204.13 |     | ash tuff soft<br>layered<br>alternating bands of chlorite/sericite<br>rock weakly magnetic   |     |      |
|        | 202.00 |     | foliations at indicated angle to core axis   | 80  |      |
| 204.13 | 208.66 |     | hematization common increasing with cataclasis<br>Quartz carbonate veining 5-7%<br>with chlorite-pyrite<br>sulphides common<br>quartz eyes common  |     | 2%   |
| 208.66 | 240.79 |     | hematization common sporadic bleaching;<br>metre scale to EDH<br>sulphides common  |     | 1-2% |
| 208.66 | 213.52 |     | ash tuff coarse<br>lapilli common<br>cherty fragments<br>chlorite streaks<br>fining downhole; TDPS? SOUTH  |     |      |
| 213.52 | 215.78 |     | ash tuff fine<br>grey<br>contact transitional at both margins  |     |      |

| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
| 215.78 | 240.79 |     | ash tuff coarse<br>lapilli common<br>mm-cm size fragments; elongate<br>dark grey in pale grey or hem altered matrix.<br>In part porphyry |          |
|        | 220.00 |     | foliations at indicated angle to core axis   | 85       |
|        |        |     | Quartz veinlets abundant gash veins  | 25       |
| 230.28 | 230.60 |     | Quartz carbonate veining with tourm  |          |
| 238.41 | 239.42 |     | Stockwork of quartz carbonate veining 40%<br>with chlorite-pyrite-chalcopyrite<br>in hem tuffs   |          |
|        |        |     | sulphides common 2-3% pyrite bright yellow   | 5%       |
| 240.79 |        |     | END OF HOLE  |          |

*Murray Jones.*

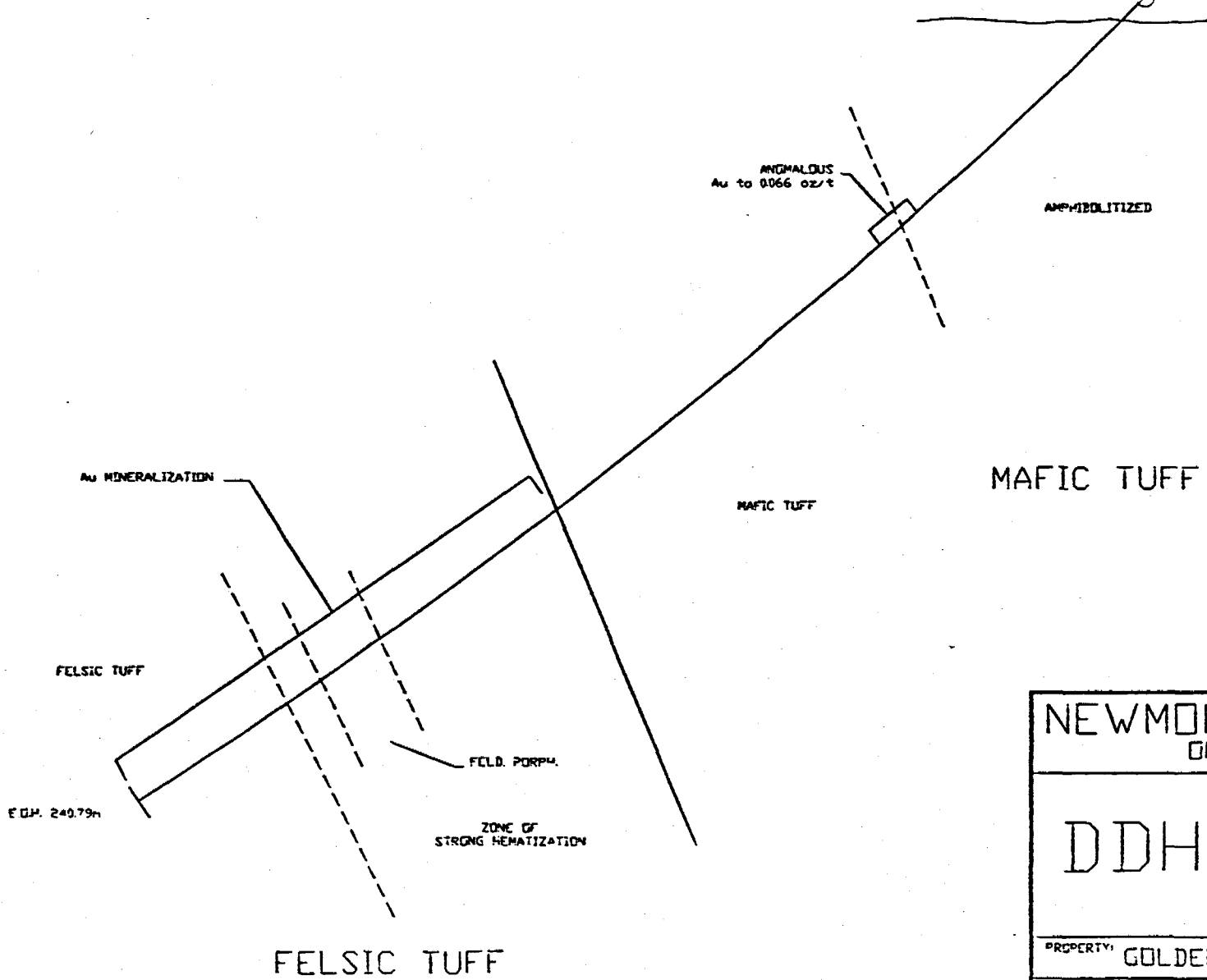
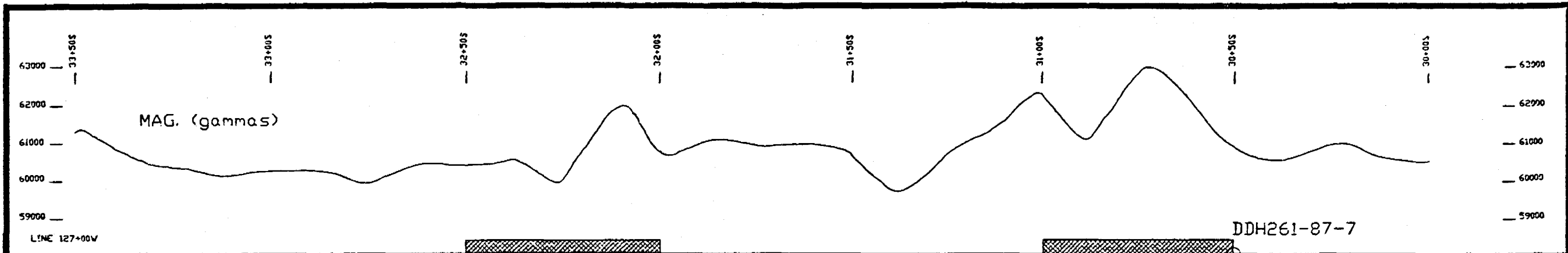
## ASSAYS DDH-261-87-7

| SAMPLE | START  | END    | CORE L | Au ppb | AUoz  | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|
| 80729  | 26.31  | 26.63  | 0.32   | 22     |       | 32     | 33     |
| 80730  | 26.76  | 27.14  | 0.38   | 10     |       | 22     | 66     |
| 80731  | 59.69  | 60.59  | 0.90   |        | 0.066 | 122    | 544    |
| 80732  | 62.97  | 63.16  | 0.19   | 444    |       | 22     | 716    |
| 80733  | 63.68  | 63.88  | 0.20   | 45     |       | 26     | 81     |
| 80734  | 66.52  | 66.86  | 0.34   |        | 0.021 | 58     | 29     |
| 80735  | 66.86  | 67.80  | 0.94   | 166    |       | 60     | 270    |
| 80736  | 67.80  | 68.03  | 0.23   | 48     |       | 24     | 17     |
| 80737  | 68.03  | 68.65  | 0.62   | 58     |       | 60     | 81     |
| 80738  | 68.65  | 69.37  | 0.72   | 55     |       | 40     | 77     |
| 80739  | 87.50  | 88.85  | 1.35   | 17     |       | 50     | 250    |
| 80740  | 88.85  | 90.38  | 1.53   | 10     |       | 42     | 232    |
| 80741  | 90.38  | 91.95  | 1.57   | 21     |       | 30     | 196    |
| 80742  | 91.95  | 92.82  | 0.87   | 15     |       | 38     | 101    |
| 80743  | 104.65 | 105.01 | 0.36   | 11     |       | 102    | 268    |
| 80744  | 105.01 | 105.68 | 0.67   | 7      |       | 34     | 220    |
| 80745  | 105.68 | 105.98 | 0.30   | 6      |       | 12     | 198    |
| 80746  | 105.98 | 107.55 | 1.57   | 15     |       | 30     | 190    |
| 80747  | 107.55 | 108.47 | 0.92   | 99     |       | 6      | 222    |
| 80748  | 108.47 | 109.35 | 0.88   | 14     |       | 28     | 194    |
| 80749  | 118.51 | 120.00 | 1.49   | 14     |       | 56     | 180    |
| 80750  | 120.00 | 120.63 | 0.63   | 37     |       | 176    | 202    |
| 80751  | 120.63 | 122.22 | 1.59   | 258    |       | 102    | 198    |
| 80752  | 122.22 | 123.39 | 1.17   | 273    |       | 58     | 220    |
| 80753  | 123.39 | 123.83 | 0.44   | 82     |       | 34     | 252    |
| 80754  | 123.83 | 124.43 | 0.60   | 43     |       | 24     | 510    |
| 80755  | 124.43 | 125.42 | 0.99   | 617    |       | 24     | 39     |
| 80756  | 125.42 | 126.59 | 1.17   | 54     |       | 56     | 178    |
| 80757  | 126.59 | 128.03 | 1.44   | 12     |       | 60     | 180    |
| 80758  | 141.57 | 142.41 | 0.84   | 10     |       | 32     | 196    |
| 80759  | 145.66 | 147.35 | 1.69   | 8      |       | 102    | 186    |
| 80760  | 147.35 | 148.53 | 1.18   | 19     |       | 198    | 130    |
| 80761  | 148.53 | 150.10 | 1.57   | 22     |       | 36     | 62     |
| 80762  | 150.10 | 150.88 | 0.78   | 10     |       | 44     | 62     |
| 80763  | 150.88 | 151.68 | 0.80   | 8      |       | 94     | 188    |
| 80764  | 151.68 | 153.18 | 1.50   | 11     |       | 54     | 49     |
| 80765  | 153.18 | 154.65 | 1.47   | 30     |       | 98     | 29     |
| 80766  | 154.65 | 155.79 | 1.14   | 21     |       | 34     | 37     |
| 80767  | 155.79 | 156.77 | 0.98   | 22     |       | 40     | 46     |
| 80769  | 156.77 | 158.27 | 1.50   | 208    |       | 48     | 53     |
| 80770  | 158.27 | 159.72 | 1.45   | 15     |       | 26     | 48     |
| 80771  | 159.72 | 161.47 | 1.75   | 8      |       | 38     | 36     |
| 80772  | 161.47 | 161.99 | 0.52   | 192    |       | 40     | 85     |
| 80773  | 161.99 | 162.65 | 0.66   | 104    |       | 26     | 26     |
| 80774  | 162.65 | 165.05 | 2.40   | 18     |       | 20     | 26     |
| 80775  | 165.05 | 165.47 | 0.42   | 234    |       | 18     | 19     |
| 80776  | 165.47 | 166.90 | 1.43   | 41     |       | 18     | 45     |
| 80777  | 166.90 | 168.26 | 1.36   | 38     |       | 28     | 41     |
| 80778  | 168.26 | 169.66 | 1.40   | 284    |       | 30     | 33     |
| 80779  | 169.66 | 171.07 | 1.41   | 48     |       | 28     | 33     |
| 80780  | 171.07 | 172.49 | 1.42   | 23     |       | 32     | 45     |



## ASSAYS DDH-261-87-7

| SAMPLE | START  | END    | CORE L | Au ppb | AlOz  | Cu ppm | Zn ppm |
|--------|--------|--------|--------|--------|-------|--------|--------|
| 80781  | 172.49 | 173.69 | 1.20   | 211    |       | 42     | 55     |
| 80782  | 173.69 | 173.99 | 0.30   | 696    |       | 18     | 27     |
| 80783  | 173.99 | 174.51 | 0.52   | 71     |       | 44     | 36     |
| 80784  | 174.51 | 174.89 | 0.38   | 867    |       | 14     | 32     |
| 80785  | 174.89 | 175.81 | 0.92   | 22     |       | 22     | 37     |
| 80786  | 175.81 | 177.63 | 1.82   | 10     |       | 8      | 28     |
| 80787  | 177.63 | 179.08 | 1.45   | 191    |       | 20     | 41     |
| 80789  | 179.08 | 180.76 | 1.68   | 7      |       | 24     | 40     |
| 80790  | 180.76 | 182.91 | 2.15   | 59     |       | 16     | 37     |
| 80791  | 182.91 | 183.30 | 0.39   | 250    |       | 24     | 33     |
| 80792  | 183.30 | 184.84 | 1.54   | 36     |       | 26     | 21     |
| 80793  | 183.84 | 184.18 | 0.34   |        | 0.498 | 16     | 23     |
| 80794  | 184.18 | 184.82 | 0.64   | 256    |       | 18     | 19     |
| 80795  | 184.82 | 185.55 | 0.73   | 33     |       | 18     | 39     |
| 80796  | 185.55 | 187.03 | 1.48   | 114    |       | 20     | 25     |
| 80797  | 195.96 | 196.60 | 0.64   | 267    |       | 8      | 18     |
| 80798  | 196.60 | 197.06 | 0.46   | 225    |       | 12     | 17     |
| 80799  | 197.06 | 197.51 | 0.45   | 225    |       | 16     | 30     |
| 80800  | 197.51 | 198.88 | 1.37   | 501    |       | 12     | 30     |
| 80801  | 198.88 | 200.45 | 1.57   | 36     |       | 20     | 47     |
| 80802  | 200.45 | 201.18 | 0.73   | 60     |       | 16     | 36     |
| 80803  | 201.18 | 201.66 | 0.48   | 125    |       | 34     | 29     |
| 80804  | 201.66 | 203.23 | 1.57   | 62     |       | 28     | 39     |
| 80805  | 203.23 | 204.13 | 0.90   | 47     |       | 64     | 36     |
| 80806  | 204.13 | 204.68 | 0.55   | 549    |       | 72     | 20     |
| 80807  | 204.68 | 206.07 | 1.39   | 56     |       | 40     | 40     |
| 80808  | 206.07 | 207.47 | 1.40   | 32     |       | 20     | 26     |
| 80809  | 207.47 | 208.66 | 1.19   | 95     |       | 36     | 33     |
| 80810  | 208.66 | 210.34 | 1.68   | 38     |       | 36     | 42     |
| 80811  | 210.34 | 211.78 | 1.44   | 29     |       | 44     | 33     |
| 80812  | 211.78 | 213.19 | 1.41   | 11     |       | 38     | 56     |
| 80813  | 213.19 | 214.55 | 1.36   | 18     |       | 26     | 29     |
| 80814  | 219.54 | 220.98 | 1.44   | 17     |       | 44     | 47     |
| 80815  | 230.28 | 230.60 | 0.32   | 100    |       | 40     | 648    |
| 80816  | 234.62 | 235.10 | 0.48   | 162    |       | 26     | 64     |
| 80817  | 238.41 | 239.42 | 1.01   | 914    |       | 340    | 36     |



|  |              |                 |  |
|--|--------------|-----------------|--|
| NEWMONT EXPLORATION<br>OF CANADA LIMITED |              |                 |  |
| DDH261-87-7                              |              |                 |  |
| PROPERTY: GOLDEN SHIELD                  |              |                 |  |
| TWP AREA: HOBLITZELL                     |              |                 |  |
| PROVINCE: ONT.                           | NTS: 32E/5   | DATE: MAY 28/87 |  |
| DR. BY: A.H.R.                           | CHK BY: M.J. | DWG# GS87-7     |  |
| SCALE: 1:1000                            | PROJECT: 261 |                 |  |

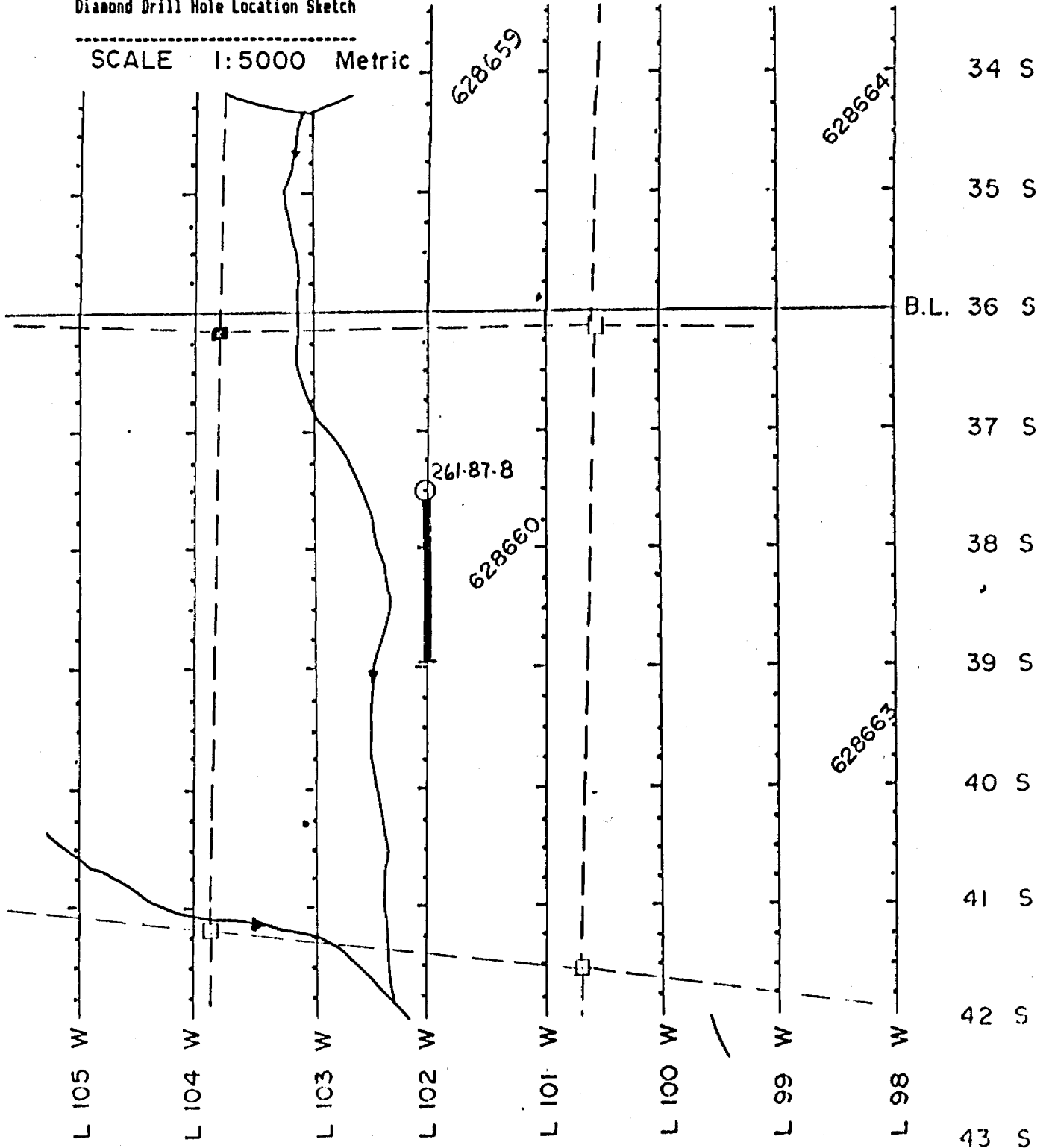
DIAMOND DRILL HOLE RECORD

Hole No 261-87-8

|             |            |         |                      |                    |              |               |                    |
|-------------|------------|---------|----------------------|--------------------|--------------|---------------|--------------------|
| Location    | Dip Test   | level   | Horizontal Component | 147                | Date Started | 03-23-87      |                    |
| Area or Twp | HDBLITZELL | Footage | Angle                | Vertical Component | 132          | Date Finished | 03-25-87           |
|             | 0.00       | -45     |                      |                    |              |               |                    |
| Claim No    | 628660     | 198.80  | -40                  | Elevation          |              | Logged By:    | J.A.TURNER         |
|             |            |         |                      | Latitude           | 37+50S       | Purpose       | MAG/STRUC/GEOL     |
| NTS         | 32E/5      |         |                      | Departure          | 102+00W      | Recovery      | 100%               |
|             |            |         |                      | Core Loc           | TIMMINS      | Drilled By:   | HEATH AND SHERWOOD |

Diamond Drill Hole Location Sketch

SCALE 1:5000 Metric



| FROM  | TO    | SUB   | DESCRIPTION   | ANG SULF |
|-------|-------|-------|---|----------|
| 0.00  | 9.75  |       | CASING  |          |
| 9.75  | 14.30 |       | SEDIMENT<br>argillite, greywacke, chert, Fe formation<br>fine grained black rock<br>minor quartz eyes observed<br>weak chlorite alteration<br>bedding at indicated angle to core axis<br>minor disseminated sulphides <1%<br>rock weakly magnetic   | 60       |
|       | 12.70 | 14.30 | chert bands common well banded<br>fine grained pinkish rock<br>patchy hematization<br>weak chlorite alteration<br>rock weakly magnetic<br>weak ankerite alteration<br>alternate light and dark laminations/bands<br>bedding at indicated angle to core axis   | 70       |
| 14.30 | 17.93 |       | UNDIFFERENTIATED INTRUSIVE ROCK -SYENITE?<br>medium grained pinkish rock , to brownish red<br>moderate sericite alteration<br>rock moderately magnetic<br>magnetite common , fine disseminations<br>feldspar altering to sericite<br>weak calcite alteration<br>contact sharp , upper<br>contact transitional , lower<br>igneatitic texture<br>rock is deformed | 70       |
| 17.93 | 19.42 |       | IRON FORMATION<br>fine grained pinkish rock<br>alternate light and dark laminations/bands , thin<br>rock moderately hematized<br>weak ankerite alteration<br>minor disseminated sulphides <1% , pyrrhotite<br>similar to 12.7-14.3m<br>well bedded with wisps of magnetite<br>moderate sericite alteration on contacts  |          |
| 19.42 | 29.70 |       | UNDIFFERENTIATED INTRUSIVE ROCK<br>as above<br>weak calcite alteration<br>few thin argillite beds   |          |
|       | 22.80 | 24.49 | IRON FORMATION<br>similar to above<br>rock moderately hematized   |          |

| FROM  | TO    | SUB | DESCRIPTION  | ANG SULF |
|-------|-------|-----|--|----------|
| 29.70 | 31.50 |     | IRON FORMATION<br>as 17.93-19.42   |          |
| 31.50 | 40.20 |     | ALTERED ACID VOLCANICS<br>fine grained grey to black<br>alternate light and dark laminations/bands<br>weak calcite alteration, variable<br>rock moderately hematized<br>magnetite common, 2%, disseminated<br>rock grades into granoblastic quartz porphyry<br>"salt and pepper" texture<br>moderate carbonate alteration<br>moderate sericite alteration<br>laminations at indicated angle to core axis<br>quartz eyes common<br>contact transitional | 75       |
| 36.44 | 37.46 |     | JASPEROIDAL IRON FORMATION<br>rock moderately hematized<br>moderate sericite alteration<br>moderate ankerite alteration<br>minor magnetite and pyrite  |          |
| 37.46 | 40.20 |     | sigmatite<br>moderate carbonate alteration<br>fragments elongate parallel to foliation<br>alternate light and dark laminations/bands   |          |
| 40.20 | 50.69 |     | ASH FALL TUFF<br>fine grained grey to black  |          |
| 40.20 | 41.60 |     | Quartz carbonate veining<br>tourmaline in some quartz veins<br>patchy hematization<br>minor disseminated sulphides <1%   |          |
| 41.60 | 50.69 |     | garnets common<br>moderate sericite alteration<br>weak chlorite alteration<br>rock moderately magnetic<br>patchy hematization<br>wisps of sulphide parallel to foliations<br>contact transitional into feldspar porphyry   |          |
| 50.69 | 54.00 |     | FELDSPAR PORPHYRY<br>fine grained grey to black<br>rock moderately magnetic disseminated throughout, 1-5%<br>k-spar alteration<br>patchy hematization<br>minor disseminated sulphides <1%<br>weak sericite alteration locally<br>Quartz carbonate veining as sweets  |          |

| FROM  | TO     | SUB    | DESCRIPTION   | ANG SULF |
|-------|--------|--------|---|----------|
|       | 53.00  | 54.00  | strong calcite alteration<br>weak ankerite alteration<br>weak epidote alteration<br>rock weakly magnetic<br>rock now greenish red<br>dacitic?   |          |
| 54.00 | 122.61 |        | ALTERATION ZONE<br>strong calcite alteration<br>tuff<br>minor reddish colour<br>magnetite common<br>foliation at 57-70<br>feldspar phenocrysts common   |          |
|       | 72.00  | 78.00  | moderate ankerite alteration<br>pyrite 8%, as fine disseminations<br>moderate sericite alteration<br>weak chlorite alteration<br>quartz eyes common along foliation<br>pink colouration locally   |          |
|       | 78.00  | 80.70  | moderate ankerite alteration<br>moderate calcite alteration<br>rock moderately magnetic<br>minor disseminated sulphides <1%<br>brown<br>alternating hard to soft  |          |
|       | 82.00  | 84.50  | weak calcite alteration<br>black<br>minor quartz eyes observed  |          |
|       | 84.50  | 87.50  | Quartz carbonate veining  |          |
|       | 86.87  | 92.20  | strong ankerite alteration<br>rock fine grained<br>red to brown<br>laminations at indicated angle to core axis<br>Quartz carbonate veining<br>moderate silicification<br>weak calcite alteration<br>weak sericite alteration<br>rock moderately magnetic<br>magnetite common, 1-2%<br>pyrite 1-3% | 80       |
|       | 92.20  | 94.60  | weak ankerite alteration<br>moderate silicification<br>rock well laminated<br>laminations at indicated angle to core axis   | 75       |
|       | 94.60  | 107.95 | moderate ankerite alteration<br>moderate silicification, variable<br>brown clots/wisps throughout<br>moderate calcite alteration  |          |

| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
|        |        |     | rock moderately magnetic<br>magnetite common 1-3%<br>pyrite trace, in fractures<br>leucoxene?  |          |
| 107.00 | 109.12 |     | Stockwork of quartz carbonate veining<br>strong epidote alteration<br>contact sharp, upper<br>strong chlorite alteration<br>weak sericite alteration<br>moderate fracturing<br>euhedral pyrite crystals throughout<br>pyrite 2-3%, also as clots in veins<br>85% core recovery   | 72       |
| 109.12 | 117.35 |     | highly altered rock<br>schistosity at indicated angle to core axis<br>fault or shear zone<br>strong ankerite alteration<br>strong epidote alteration<br>moderate silicification<br>moderate sericite alteration<br>rock brecciated<br>rock highly fractured<br>moderate chlorite alteration<br>Quartz carbonate veining<br>tourmaline in some quartz veins                     | 50       |
| 117.35 | 122.61 |     | strong ankerite alteration<br>weak calcite alteration<br>red to brown<br>weak silicification<br>rock weakly magnetic<br>laminations at indicated angle to core axis<br>fragments common? -pounce?<br>minor leucoxene   | 60       |
| 122.61 | 198.80 |     | DACITE TO RHYODACITE TUFFS<br>with porphyritic flows<br>fine grained grey rock<br>weak silicification<br>moderate sericite alteration<br>moderate calcite alteration<br>weak chlorite alteration<br>patchy hematization<br>Quartz carbonate veining<br>rock weakly magnetic<br>pyrite trace in veinlets<br>magnetite common as wisps<br>quartz eyes common<br>fragments common |          |
| 135.60 | 139.40 |     | moderate sericite alteration   |          |

| FROM   | TO     | SUB | DESCRIPTION  | ANG SULF |
|--------|--------|-----|--|----------|
|        |        |     | moderate chlorite alteration<br>Quartz carbonate veining<br>moderate carbonate alteration<br>silicification common , increases downhole  |          |
| 138.40 | 139.40 |     | Stockwork of quartz carbonate veining<br>moderate fracturing   |          |
| 140.00 | 145.80 |     | euhedral pyrite crystals throughout , 1%<br>rock moderately hematized<br>moderate chlorite alteration in clots, fragments<br>moderate sericite alteration<br>magnetite common<br>weak carbonate alteration |          |
| 148.80 | 153.00 |     | mildly altered rock<br>weak sericite alteration<br>moderate chlorite alteration<br>silicification common<br>patchy hematization<br>banding at<br>fragments common  | 70       |
| 153.00 | 156.00 |     | rock fine grained tuffaceous   |          |
| 156.00 | 160.00 |     | minor quartz veining<br>moderate chlorite alteration<br>moderate sericite alteration   |          |
| 157.00 | 158.00 |     | strong silicification<br>tourmaline in some quartz veins   |          |
| 157.30 | 188.00 |     | shearing common<br>rock moderately hematized   |          |
| 160.00 | 175.70 |     | moderate calcite alteration<br>strong chlorite alteration -patchy<br>pyrite as fragments?, 1%  |          |
| 175.70 | 177.56 |     | Quartz veinlets abundant 10% of interval<br>moderate chlorite alteration<br>moderate calcite alteration<br>moderate sericite alteration  | 30       |
| 177.56 | 182.50 |     | Dacite Tuff  |          |
| 182.50 | 198.80 |     | moderate sericite alteration<br>moderate silicification<br>fragments common -syenite?<br>foliations at indicated angle to core axis  | 70       |
|        | 190.25 |     | 7cm quartz vein at   | 60       |
| 198.34 | 198.42 |     | Quartz vein  |          |
| 198.80 |        |     | END OF HOLE  |          |

*Murray Jones*



## ASSAYS DDH-261-87-B

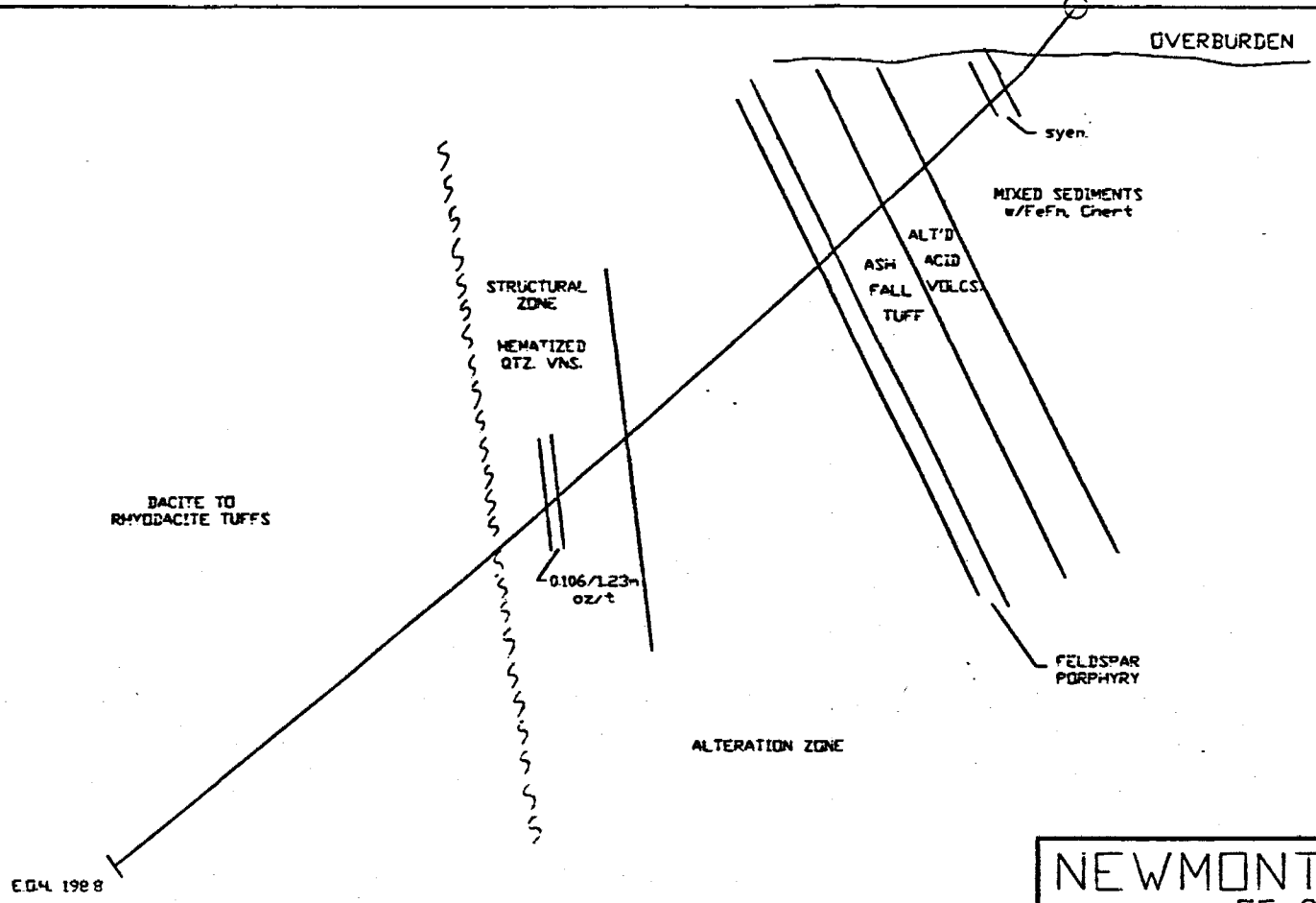
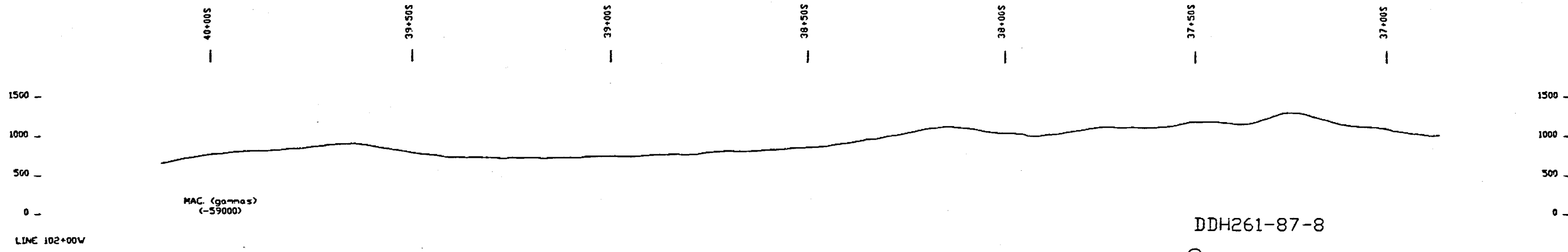
| SAMPLE | FROM  | TO    | CORE L | AU PPB | AU OZ | CU PPM | ZN PPM |
|--------|-------|-------|--------|--------|-------|--------|--------|
| 83822  | 9.75  | 10.75 | 1.00   | 122    |       | 42     | 146    |
| 83823  | 10.75 | 11.75 | 1.00   | 37     |       | 24     | 140    |
| 83824  | 11.75 | 12.75 | 1.00   | 139    |       | 166    | 172    |
| 83825  | 12.75 | 13.75 | 1.00   | 10     |       | 14     | 41     |
| 83826  | 13.75 | 14.55 | 0.80   | 96     |       | 20     | 88     |
| 83827  | 14.55 | 16.50 | 1.95   | 15     |       | 16     | 84     |
| 83828  | 16.50 | 17.50 | 1.00   | 14     |       | 18     | 80     |
| 83829  | 17.50 | 17.90 | 0.40   | 73     |       | 24     | 86     |
| 83830  | 17.90 | 18.90 | 1.00   | 11     |       | 34     | 57     |
| 83831  | 18.90 | 19.90 | 1.00   | 18     |       | 28     | 39     |
| 83832  | 19.50 | 20.50 | 1.00   | 96     |       | 18     | 83     |
| 83833  | 20.50 | 22.00 | 1.50   | 17     |       | 16     | 56     |
| 83834  | 22.00 | 23.50 | 1.50   | 11     |       | 72     | 41     |
| 83835  | 23.50 | 24.50 | 1.00   | 96     |       | 76     | 83     |
| 83836  | 24.50 | 26.00 | 1.50   | 14     |       | 12     | 64     |
| 83837  | 26.00 | 27.50 | 1.50   | 14     |       | 10     | 57     |
| 83838  | 27.50 | 29.00 | 1.50   | 96     |       | 10     | 76     |
| 83839  | 29.00 | 29.72 | 0.72   | 10     |       | 32     | 84     |
| 83840  | 29.72 | 31.15 | 1.43   | 11     |       | 26     | 99     |
| 83841  | 31.15 | 33.00 | 1.85   | 63     |       | 26     | 616    |
| 83842  | 33.00 | 34.50 | 1.50   | 37     |       | 24     | 101    |
| 83843  | 34.50 | 36.00 | 1.50   | 43     |       | 14     | 292    |
| 83844  | 36.00 | 36.60 | 0.60   | 96     |       | 10     | 254    |
| 83845  | 36.60 | 37.23 | 0.63   | 96     |       | 14     | 43     |
| 83846  | 37.23 | 38.73 | 1.50   | 41     |       | 8      | 192    |
| 83847  | 38.73 | 40.15 | 1.42   | 40     |       | 6      | 198    |
| 83848  | 40.15 | 40.69 | 0.54   | 33     |       | 16     | 378    |
| 83849  | 40.69 | 42.70 | 2.01   | 22     |       | 76     | 476    |
| 83850  | 42.70 | 44.18 | 1.48   | 80     |       | 144    | 74     |
| 83851  | 44.18 | 45.50 | 1.32   | 17     |       | 108    | 734    |
| 83852  | 45.50 | 47.00 | 1.50   | 14     |       | 46     | 42     |
| 83853  | 47.00 | 48.50 | 1.50   | 12     |       | 42     | 41     |
| 83854  | 48.50 | 50.00 | 1.50   | 6      |       | 52     | 62     |
| 83855  | 50.00 | 51.50 | 1.50   | 14     |       | 38     | 52     |
| 83856  | 51.50 | 53.00 | 1.50   | 6      |       | 28     | 72     |
| 83857  | 53.00 | 54.50 | 1.50   | 8      |       | 56     | 68     |
| 83858  | 54.50 | 56.00 | 1.50   | 6      |       | 30     | 77     |
| 83859  | 56.00 | 57.50 | 1.50   | 8      |       | 28     | 76     |
| 83860  | 57.50 | 59.00 | 1.50   | 8      |       | 24     | 66     |
| 83861  | 59.00 | 60.50 | 1.50   | 18     |       | 30     | 71     |
| 83862  | 60.50 | 62.00 | 1.50   | 36     |       | 54     | 69     |
| 83863  | 62.00 | 63.50 | 1.50   | 10     |       | 20     | 70     |
| 83864  | 63.50 | 65.00 | 1.50   | 23     |       | 26     | 168    |
| 83865  | 65.00 | 66.50 | 1.50   | 33     |       | 22     | 22     |
| 83866  | 66.50 | 68.00 | 1.50   | 97     |       | 18     | 182    |
| 83867  | 68.00 | 69.50 | 1.50   | 8      |       | 18     | 148    |
| 83868  | 69.50 | 71.00 | 1.50   | 103    |       | 22     | 86     |
| 83869  | 71.00 | 72.50 | 1.50   | 26     |       | 32     | 83     |
| 83870  | 72.50 | 74.00 | 1.50   | 43     |       | 24     | 57     |
| 83871  | 74.00 | 75.50 | 1.50   | 38     |       | 24     | 49     |
| 83872  | 75.50 | 77.00 | 1.50   | 14     |       | 24     | 59     |

ASSAYS DDH-261-B7-B

| SAMPLE | FROM   | TO     | CDRE L | AU PPB | AU OZ | CU PPM | ZN PPM |
|--------|--------|--------|--------|--------|-------|--------|--------|
| 83873  | 77.00  | 78.50  | 1.50   | 17     |       | 24     | 73     |
| 83874  | 78.50  | 80.00  | 1.50   | 37     |       | 24     | 63     |
| 83875  | 80.00  | 81.50  | 1.50   | 11     |       | 24     | 74     |
| 83876  | 81.50  | 83.00  | 1.50   | 14     |       | 70     | 76     |
| 83877  | 83.00  | 84.50  | 1.50   | 17     |       | 16     | 69     |
| 83878  | 84.50  | 86.00  | 1.50   | 32     |       | 40     | 88     |
| 83879  | 86.00  | 87.50  | 1.50   | 29     |       | 28     | 56     |
| 83880  | 87.50  | 89.00  | 1.50   | 43     |       | 26     | 37     |
| 83881  | 89.00  | 90.50  | 1.50   | 33     |       | 42     | 57     |
| 83882  | 90.50  | 91.86  | 1.36   | 514    |       | 20     | 21     |
| 83883  | 91.86  | 92.25  | 0.39   |        | 0.087 | 16     | 75     |
| 83884  | 92.25  | 93.00  | 0.75   | 99     |       | 18     | 63     |
| 83885  | 93.00  | 94.50  | 1.50   | 23     |       | 16     | 64     |
| 83886  | 94.50  | 96.00  | 1.50   | 21     |       | 22     | 45     |
| 83887  | 96.00  | 97.50  | 1.50   | 8      |       | 24     | 27     |
| 83888  | 97.50  | 99.00  | 1.50   | 4      |       | 22     | 41     |
| 83889  | 99.00  | 100.50 | 1.50   | 37     |       | 26     | 55     |
| 83890  | 100.50 | 102.00 | 1.50   | 8      |       | 18     | 54     |
| 83891  | 102.00 | 103.50 | 1.50   | 48     |       | 18     | 45     |
| 83892  | 103.50 | 105.00 | 1.50   | 49     |       | 20     | 41     |
| 83893  | 105.00 | 105.50 | 0.50   | 11     |       | 14     | 36     |
| 83894  | 106.30 | 107.00 | 0.70   | 92     |       | 26     | 34     |
| 83895  | 107.00 | 107.50 | 0.50   | 830    |       | 18     | 22     |
| 83896  | 107.50 | 107.90 | 0.40   | 243    |       | 20     | 18     |
| 83897  | 107.90 | 108.40 | 0.50   |        | 0.037 | 26     | 28     |
| 83898  | 108.40 | 108.90 | 0.50   |        | 0.184 | 36     | 30     |
| 83899  | 108.90 | 109.18 | 0.28   |        | 0.089 | 34     | 22     |
| 83900  | 109.18 | 110.00 | 0.82   | 58     |       | 10     | 29     |
| 83901  | 110.00 | 111.50 | 1.50   | 37     |       | 10     | 43     |
| 83902  | 111.50 | 113.00 | 1.50   | 14     |       | 8      | 42     |
| 83903  | 113.00 | 113.50 | 0.50   | 11     |       | 10     | 43     |
| 83904  | 113.50 | 114.00 | 0.50   | 14     |       | 8      | 49     |
| 83905  | 114.00 | 114.50 | 0.50   | 8      |       | 8      | 39     |
| 83906  | 114.50 | 115.00 | 0.50   | 11     |       | 8      | 73     |
| 83907  | 115.00 | 115.50 | 0.50   | 30     |       | 8      | 90     |
| 83908  | 115.50 | 116.00 | 0.50   | 18     |       | 8      | 91     |
| 83909  | 116.00 | 116.33 | 0.33   | 10     |       | 12     | 59     |
| 83910  | 116.33 | 117.50 | 1.17   | 30     |       | 14     | 46     |
| 83911  | 117.50 | 119.00 | 1.50   | 6      |       | 10     | 56     |
| 83912  | 119.00 | 120.50 | 1.50   | 18     |       | 18     | 58     |
| 83913  | 120.50 | 122.00 | 1.50   | 10     |       | 24     | 58     |
| 83914  | 122.00 | 123.50 | 1.50   | 12     |       | 14     | 71     |
| 83915  | 123.50 | 125.00 | 1.50   | 118    |       | 24     | 54     |
| 83916  | 125.00 | 126.50 | 1.50   | 44     |       | 12     | 43     |
| 83917  | 126.50 | 128.00 | 1.50   | 10     |       | 18     | 57     |
| 83918  | 128.00 | 129.50 | 1.50   | 6      |       | 20     | 46     |
| 83919  | 129.50 | 131.00 | 1.50   | 8      |       | 20     | 43     |
| 83920  | 131.00 | 132.50 | 1.50   | 21     |       | 18     | 49     |
| 83921  | 132.50 | 134.00 | 1.50   | 12     |       | 18     | 47     |
| 83922  | 134.00 | 135.50 | 1.50   | 14     |       | 20     | 44     |
| 83923  | 135.50 | 137.00 | 1.50   | 8      |       | 20     | 68     |

## ASSAYS DDH-261-87-8

| SAMPLE | FROM   | TO     | CORE L | AU PPB | AU OZ | CU PPM | ZN PPM |
|--------|--------|--------|--------|--------|-------|--------|--------|
| 83924  | 137.00 | 138.50 | 1.50   | 4      |       | 16     | 61     |
| 83925  | 138.50 | 139.00 | 0.50   | 25     |       | 18     | 64     |
| 83926  | 139.00 | 139.50 | 0.50   | 41     |       | 12     | 42     |
| 83927  | 139.50 | 140.00 | 0.50   | 8      |       | 6      | 42     |
| 83928  | 140.00 | 141.50 | 1.50   | 15     |       | 18     | 54     |
| 83929  | 141.50 | 143.00 | 1.50   | 3      |       | 28     | 58     |
| 83930  | 143.00 | 144.50 | 1.50   | 4      |       | 26     | 44     |
| 83931  | 144.50 | 146.00 | 1.50   | 6      |       | 22     | 59     |
| 83932  | 146.00 | 147.50 | 1.50   | 15     |       | 60     | 47     |
| 83933  | 147.50 | 149.00 | 1.50   | 6      |       | 50     | 73     |
| 83934  | 149.00 | 150.50 | 1.50   | 8      |       | 44     | 42     |
| 83935  | 150.50 | 152.00 | 1.50   | 7      |       | 36     | 50     |
| 83936  | 152.00 | 153.50 | 1.50   | 7      |       | 46     | 57     |
| 83937  | 153.50 | 155.00 | 1.50   | 6      |       | 34     | 52     |
| 83938  | 155.00 | 156.50 | 1.50   | 7      |       | 40     | 64     |
| 83939  | 156.50 | 158.00 | 1.50   | 7      |       | 44     | 64     |
| 83940  | 158.00 | 158.50 | 0.50   | 6      |       | 42     | 52     |
| 83941  | 158.50 | 159.00 | 0.50   | 6      |       | 38     | 21     |
| 83942  | 159.00 | 159.50 | 0.50   | 5      |       | 28     | 52     |
| 83943  | 159.50 | 161.00 | 1.50   | 7      |       | 28     | 54     |
| 83944  | 161.00 | 162.50 | 1.50   | 6      |       | 16     | 65     |
| 83945  | 162.50 | 164.00 | 1.50   | 4      |       | 18     | 60     |
| 83946  | 164.00 | 165.50 | 1.50   | 6      |       | 22     | 50     |
| 83947  | 165.50 | 167.00 | 1.50   | 8      |       | 54     | 71     |
| 83948  | 167.00 | 168.50 | 1.50   | 6      |       | 30     | 74     |
| 83949  | 168.50 | 170.00 | 1.50   | 6      |       | 40     | 69     |
| 83950  | 170.00 | 171.50 | 1.50   | 3      |       | 28     | 96     |
| 83951  | 171.50 | 173.00 | 1.50   | 6      |       | 26     | 55     |
| 83952  | 173.00 | 174.50 | 1.50   | 12     |       | 14     | 45     |
| 83953  | 174.50 | 175.00 | 0.50   | 17     |       | 24     | 56     |
| 83954  | 175.00 | 176.00 | 1.00   | 45     |       | 20     | 36     |
| 83955  | 176.00 | 177.00 | 1.00   | 4      |       | 16     | 47     |
| 83956  | 177.00 | 178.00 | 1.00   | 19     |       | 26     | 55     |
| 83957  | 178.00 | 179.50 | 1.50   | 10     |       | 16     | 56     |
| 83958  | 179.50 | 181.00 | 1.50   | 14     |       | 16     | 48     |
| 83959  | 181.00 | 182.50 | 1.50   | 8      |       | 14     | 54     |
| 83960  | 182.50 | 184.00 | 1.50   | 33     |       | 16     | 56     |
| 83961  | 184.00 | 185.50 | 1.50   | 6      |       | 16     | 61     |
| 83962  | 185.50 | 187.00 | 1.50   | 15     |       | 16     | 912    |
| 83963  | 187.00 | 188.50 | 1.50   | 10     |       | 34     | 162    |
| 83964  | 188.50 | 190.00 | 1.50   | 6      |       | 30     | 454    |
| 83965  | 190.00 | 190.50 | 0.50   | 8      |       | 42     | 74     |
| 83966  | 190.50 | 192.00 | 1.50   | 6      |       | 12     | 88     |
| 83967  | 192.00 | 193.80 | 1.80   | 7      |       | 30     | 91     |



|  |              |                 |
|--|--------------|-----------------|
| NEWMONT EXPLORATION<br>OF CANADA LIMITED |              |                 |
| DDH261-87-8                              |              |                 |
| PROPERTY: GOLDEN SHIELD                  |              |                 |
| TWP / AREA: HOBLITZELL                   |              |                 |
| PROVINCE: ONT.                           | N.T.S. 32E/5 | DATE: MAY 29/87 |
| DR. BY: A.H.R.                           | CHK BY: M.J. | DWG.# GS87-8    |
| SCALE: 1:1000                            | PROJECT: 261 |                 |



W8708-379

Mining Act

Name and Postal Address of Recorded Holder: **Newmont Exploration of Canada Limited**  
 33 Yonge St., Ste 370, Toronto, Ontario M5E 1T2  
 Prospector's Licence No.: **A37767**

Summary of Work Performance and Distribution of Credits

| Total Work Days Cr. claimed   | Mining Claim |        |               | Work Days Cr. | Mining Claim |        |               | Work Days Cr. |    |
|---|--------------|--------|---------------|---------------|--------------|--------|---------------|---------------|----|
|   | Prefix       | Number | Work Days Cr. |               | Prefix       | Number | Work Days Cr. |               |    |
| 5,987   | L.           | 628595 | 61            | L.            | 628603       | 61     | L.            | 628611        | 61 |
| For Performance of the following work. (Check one only)<br><input type="checkbox"/> Manual Work<br><input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.<br><input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.<br><input type="checkbox"/> Power Stripping<br><input checked="" type="checkbox"/> Diamond or other Core drilling<br><input type="checkbox"/> Land Survey |              | 628596 | 61            |               | 628604       | 61     |               | 628612        | 61 |
|   |              | 628597 | 61            |               | 628605       | 61     |               | 628613        | 61 |
|   |              | 628598 | 61            |               | 628606       | 61     |               | 628614        | 61 |
|   |              | 628599 | 61            |               | 628607       | 61     |               | 628615        | 61 |
|   |              | 628600 | 61            |               | 628608       | 61     |               | 628616        | 61 |
|   |              | 628601 | 61            |               | 628609       | 61     |               | 628617        | 61 |
|   |              | 628602 | 61            |               | 628610       | 61     |               | 628618        | 61 |

All the work was performed on Mining Claim(s): **L 628608 et al as listed on sheet attached**

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

- Diamond Drilling - BQ Core - for footage distribution see Tables I and II attached

- Work Contracted To: **Heath and Sherwood Drilling (1986) Inc**  
 P.O. Box 998  
 34 Duncan Ave., North  
 Kirkland Lake, Ontario  
 P2N 3L3

ONTARIO GEOLOGICAL SURVEY  
 ASSESSMENT FILES  
 REC'D OFFICE

**RECORDED**  
**FILED**  
 SEP 17 1987  
 Receipt # \_\_\_\_\_

- Work performed between January 14, 1987 - March 25, 1987

SEP 17 1987  
 10:20am

Date of Report: **16/09/87**  
 Recorded Holder or Agent (Signature): *Murray Jones*

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.

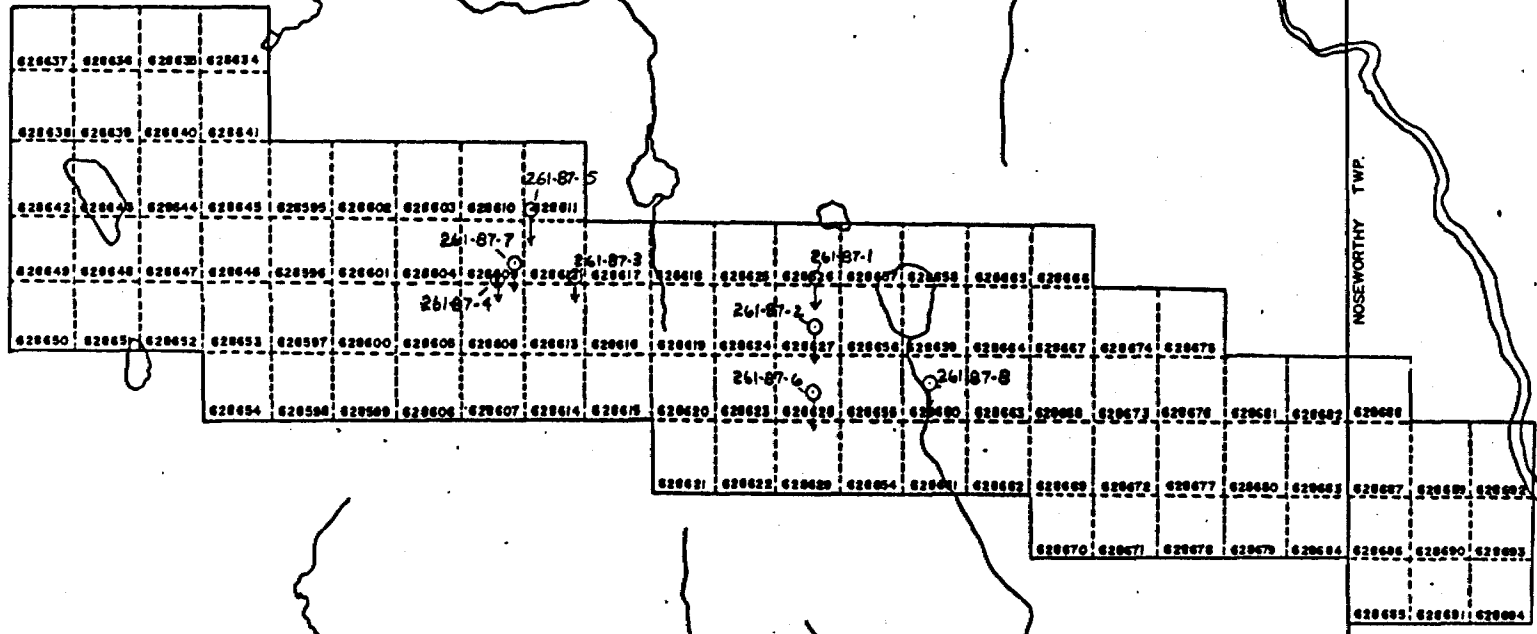
Name and Postal Address of Person Certifying: **Murray Jones, P.O. Box 1430, Timmins, Ontario P4N 7N2**

Date Certified: **16/09/87**  
 Certified by (Signature): *Murray Jones*

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.                              | Work Sketch (as above) in duplicate  |
| 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.                                  |   |  |
| Land Survey   |  |   |  |





HOBLOITZELL TWR  
TOMLINSON TWP.

ROSEWORTHY TWP.



|                                |
|--------------------------------|
| NEWMONT                        |
| CLAIM LOCATION                 |
| MIKWAM - GOLDEN SHIELD 261     |
| HOBLOITZELL - NOSEWORTHY TWPS. |
| SCALE: 2in to 1mie             |

GOLDEN SHIELD PROJECT - 1987 DRILL HOLE LOCATIONS

|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 628637 | 628636 | 628635 | 628634 | 789212 | 789223 | 789224 | 789237 | 789240 | 789251 | 789256 | 789267 | 789272 | 789281 | 789286 | 789310 | 789315 | 789316 | 789323 | 789324 | 789325 |   |
| ✓      | ✓      | ✓      | ✓      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| 628638 | 628639 | 628640 | 628641 | 789211 | 789224 | 789225 | 789238 | 789239 | 789252 | 789255 | 789268 | 789271 | 789282 | 789285 | 789311 | 789314 | 789317 | 789322 | 789327 | 789326 |   |
| ✓      | ✓      | ✓      | ✓      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| 628642 | 628643 | 628644 | 628645 | 628595 | 628602 | 628603 | 628610 | 628611 | 789253 | 789254 | 789269 | 789270 | 789283 | 789284 | 789312 | 789313 | 789318 | 789321 | 789328 | 789329 |   |
| ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      |        |        |        |        |        |        |        |        |        |        |        |        |   |
| 628649 | 628648 | 628647 | 628646 | 628596 | 628601 | 628604 | 628609 | 628612 | 628617 | 628618 | 628625 | 628626 | 628657 | 628658 | 628665 | 628666 | 789319 | 789320 | 789330 | 789335 |   |
| ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      |        |        |        |        |   |
| 628650 | 628651 | 628652 | 628653 | 628597 | 628600 | 628605 | 628608 | 628613 | 628616 | 628619 | 628624 | 628627 | 628656 | 628659 | 628664 | 628667 | 628674 | 628675 | 789331 | 789332 |   |
| ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      |        |   |
| 836636 | 836640 | 836644 | 628654 | 628598 | 628599 | 628606 | 628607 | 628614 | 628615 | 628620 | 628623 | 628628 | 628655 | 628660 | 628663 | 628668 | 628673 | 628676 | 628681 | 628682 |   |
|        |        |        | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓ |
| 836637 | 836641 | 836645 | 836648 | 834471 | 834467 | 834463 | 834459 | 834455 | 834451 | 628621 | 628622 | 628629 | 628630 | 628661 | 628662 | 628669 | 628672 | 628677 | 628680 | 628683 |   |
|        |        |        |        |        |        |        |        |        |        | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓      | ✓ |
| 836638 | 836642 | 836646 | 836649 | 834472 | 834468 | 834464 | 834460 | 834456 | 834452 | 834520 | 834517 | 834513 | 834509 | 834504 | 834499 | 628670 | 628671 | 628678 | 628679 | 628684 |   |
|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | ✓      | ✓      | ✓      | ✓      | ✓      | ✓ |
| 836639 | 836643 | 836647 | 805900 | 834473 | 834469 | 834465 | 834461 | 834457 | 834453 | 834521 | 834518 | 834514 | 834510 | 834505 | 834500 | 834479 | 834478 | 834477 | 834476 | 834475 |   |
|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |

Hoblitzell Top.

G.3513



