010

## DIAMOND DRILLING

TOWNSHIP: MIDLOTHIAN TWP.
REPORT NO: 39

WORK PERFORMED FOR: Goldteck Mines Ltd.

RECORDED HOLDER: Same as Above $[x x]$
$: ~ O t h e r ~$

| Claim No. | Hole No. | Footage | Date | Note |
| :--- | :---: | :---: | :---: | :---: |
| 579151 | $G-82$ | 195 m | Feb/88 | (1) |
| 579151 | $\mathrm{G}-85$ | 216 m | Feb/88 | (1) |
| 943479 | $\mathrm{G}-88$ | 294 m | Mar/88 | (1) |
| $943479 /$ | $G-90$ | 297 m | Mar/88 | (1) |

NOTES: (1) \#W8806.112, filed Mar/89

GOLDTECK MINES LTD.
DIAMOND
DRILL LOG :AND SAMPLE RECORD HOLE NUMBER: G-82

Core Size: BQ
Date Collared: February 25, 1988
Date Completed: February 27, 1988
Logged By: F.Sharpley

Location: Stairs Project
Northing: $59+30 \mathrm{~N}$
Easting: $48+40 \mathrm{E}$
Elevation: .0
Length: 195.0
Depth Dip
-45.0 180.0
$\begin{array}{lll}15.0 & -46.0 & 187.0 \\ 45.0 & -40.0 & 185.0\end{array}$
$90.0 \quad-35.0 \quad 183.0$
$135.0 \quad-33.0 \quad 184.0$

From (m) To (m) Code Core Description


| .0 | 6.0 | OB | OVERBURDEN |
| ---: | ---: | ---: | ---: |
| 6.0 | 7.0 | $3 B$ | PEBBLE CON |

Medium greenish-grey, polymictic pebble conglomerate foliated at 45 degrees.
$7.0 \quad 7.7$ IB DIORITE DYKE
Pale greenish-color, medium grained maflc mineral, massive uniform; sharp
contact at 45 degrees.
$7.7 \quad 8.5 \quad 3 \mathrm{~B} \quad$ PEBBLE CONGLOMERATE
8.5 8.7 1B DIORITE DYKE
8.7 16.4 $3 B$ PEBBLE CONGLOMERATE

Foliated and banded at 45 to 60 degrees.
16.4 19.2 3C SANDSTONE

Medium to dark grey, banded and foliated greywacke at 45 degrees.
Fine grained.
19.2 20.0 3B PEBBLE CONGLOMERATE
$20.0 \quad 24.9$ SC SANDSTONE
$24.9 \quad 25.5 \quad 3 B \quad$ PEBBLE CONGLOMERATE
25.12 cm quartz vein at 80 degrees.
$25.5 \quad 26.3$ SC SANDSTONE
26.3 26.5 3B PEBBLE CONGLOMERATE
$26.5 \quad 40.4$ SC SANDSTONE
Weakly carbonatized; minor quartzcarbonate veining.
34.13 cm quartz vein at 80 degrees.
34.35 cm quartz vein at 45 degrees.
34.73 cm quartz vein at 70 degrees.
39.6-40.0 quartz vein at 45 degrees;
sheared at 80 degrees.
$40.4 \quad 50.6 \quad 3 A C R$
CHROMIC CONGLOMERATE
Light to medium greenish-grey,
polymictic boulder conglomerate;
ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE
MAR 101989
moderate to weak chromic alteration.

| From(m) | To (m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 40.4 | 50.6 | 3A CR | CHROMIC CONGLOMERATE (COn't) |
|  |  |  | 47.3-47.4 quartz vein at 45 degrees. 49.9-50.6 sheared quartz veining at 45 degrees. |
| 50.6 | 64.2 | 3A | UNALTERED CONGLOMERATE |
|  |  |  | Light to medium greenish-grey, polymictic boulder conglomerate; weak |
|  |  |  | carbonate alteration |
|  |  |  | 52.23 cm quartz vein at 20 degrees. |
|  |  |  | 52.35 cm quartz vein at 45 degrees. |
|  |  |  | 56.85 cm guartz vein at 45 degrees |
|  |  |  | 58.11 cm quartz vein at 20 degrees. |
|  |  |  | 63.5-66.0 weak quartz-carbonate |
|  |  |  | breccia. |
| 64.2 | 84.0 | 3A CR | CHROMIC CONGLOMERATE |
|  |  |  | Light to medium greenish-grey, |
|  |  |  | polymictic boulder conglomerate; weak |
|  |  |  | chromic alteration. <br> 70.8-71.2 sandstone (3C) |
|  |  |  | 73.3-73.8 quartz-ankerite vein at 45 |
|  |  |  | degrees. |
|  |  |  | 73.8-79.0 strongly limonitized; partly kaolinized. |
|  |  |  | 79.6-80.5 limonitized. |
|  |  |  | 81.6-82.6 limonitized. |
|  |  |  | 83.0-84.0 1 imonitized. |
|  |  |  | 84.01 cm quartz vein at 20 degrees. |
|  |  |  | 84.4-85.7 1imonitized. |
| 84.0 | 92.1 | 3A SI | buFf CONGLOMERATE |
|  |  |  | Buff color; weak to moderately silicifled polymictlc boulder |
|  |  |  | conglomerate. |
|  |  |  | 85.52 cm quartz vein at 20 degrees. |
|  |  |  | 86.23 cm quartz vein at 20 degrees. |
|  |  |  | 89.61 cm quartz vein at 20 degrees. |
|  |  |  | 91.71 cm quartz vein at 20 degrees. |
| 92.1 | 105.6 | 3A CR | ChROMIC CONGLOMERATE |
|  |  |  | Light greenish-grey, polymictic |
|  |  |  | boulder conglomerate; moderate to |
|  |  |  | weak chromic alteration. |
|  |  |  | 92.61 cm quartz vein at 20 degrees. |
|  |  |  | 93.41 cm quartz vein at 20 degrees. |
|  |  |  | 95.6-101.4 limonitized. |
|  |  |  | 104.41 cm quartz-carbonate vein at 45 |
|  |  |  | degrees. |
| 105.6 | 114.8 | 3A | UNALTERED CONGLOMERATE |
|  |  |  | Light to medium grey, polymictic boulder conglomerate. |
| 114.8 | 118.8 | 3 C | SANDSTONE |
|  |  |  | Light greenish-grey, banded at 30 |


| m(m) | To(m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 114.8 | 118.8 | 3C | SANDSTONE (Con't) <br> degrees; minor pebble bands. <br> 115.52 cm quartz-carbonate vein at 80 degrees. |
| 118.8 | 129.2 | 3A | UNALTERED CONGLOMERATE <br> Light to medium grey, polymictic boulder conglomerate, weakly carbonatized. <br> 120.0-120.3 clay seam. <br> 123.0-126.0 11monltized <br> 128.52 cm quartz-carbonate vein at .80 degrees. <br> 128.62 cm q.c.v. at 80 degrees. |
| 129.2 | 141.0 | 2BR | FELSIC PYROCLASTIC <br> Light grey to whitish, light grey felsic and sericitic fragments $<5 \mathrm{~cm}$ In a coarse felsic ash matrix. <br> 129.2-133.5 hematized <br> 133.5-141.0 weakly kaolinized. <br> 140.3-141.0 qyartz veining at 20 degrees. |
| 141.0 | 189.0 | OB | RESIDUAL KAOLIN <br> White to limonite brown 141.0-192.0 21\% core recovery. |
| 189.0 | 195.0 195.0 | OB | RESIDUAL BLACK CLAY <br> Black color, disseminated pyrite grains throught; 238 core recovery. E.O.H. |

GOLDTECK MINES LTD.
SSSAYS AND SAMPLE RECORD
LE NUMBER: G-82

| Sample | No. Erom | To | Length | $A u(p p b)$ | Au(chk) | Ag (ppm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53800 | 34.0 | 35.0 | 1.0 | 60 |  | <1.0 |
| 53801 | 39.5 | 40.0 | . 5 | 28 |  | <1.0 |
| S3802 | 47.0 | 47.5 | . 5 | 44 |  | <1.0 |
| 53803 | 47.5 | 48.5 | 1.0 | <5 |  | <1.0 |
| \$3804 | 48.5 | 49.1 | . 6 | 15 |  | <1.0 |
| S3805 | 49.1 | 49.8 | .7 | 10 |  | <1.0 |
| \$3806 | 49.8 | 50.6 | . 8 | 196 | 1 | <1.0 |
| \$3807 | 50.6 | 51.6 | 1.0 | 14 | 15.0 | <1.0 |
| \$3808 | 51.6 | 52.6 | 1.0 | 22 |  | <1.0 |
| S3809 | 52.6 | 53.6 | 1.0 | <5 |  | <1.0 |
| \$3810 | 56.5 | 57.5 | 1.0 | 11 |  | <1.0 |
| \$3811 | 57.5 | 58.5 | 1.0 | 17 |  | <1.0 |
| S3812 | 63.5 | 64.5 | 1.0 | 17 |  | <1.0 |
| \$3813 | 64.5 | 65.5 | 1.0 | 15 |  | <1.0 |
| \$3814 | 65.5 | 66.5 | 1.0 | 77 |  | <1.0 |
| S3815 | 73.3 | 73.9 | . 6 | 43 |  | <1.0 |
| S3816 | 73.9 | 74.9 | 1.0 | 39 | 5.0 | <1.0 |
| S3817 | 84.0 | 85.0 | 1.0 | 10 |  | <1.0 |
| \$3818 | 85.0 | 86.0 | 1.0 | 28 |  | <1.0 |
| S3819 | 86.0 | 87.0 | 1.0 | 8 |  | <1.0 |
| S3820 | 87.0 | 88.0 | 1.0 | 24 |  | <1.0 |
| S3821 | 88.0 | 89.0 | 1.0 | 15 |  | <1.0 |
| S3822 | 89.0 | 90.0 | 1.0 | 9 |  | <1.0 |
| S3823 | 90.0 | 91.0 | 1.0 | 11 |  | <1.0 |
| S3824 | 91.0 | 92.0 | 1.0 | 12 |  | <1.0 |
| S3825 | 92.0 | 93.0 | 1.0 | 8 | 8.0 | <1.0 |
| S3826 | 93.0 | 94.0 | 1.0 | 8 |  | <1.0 |
| S3827 | 139.3 | 140.3 | 1.0 | 9 |  | 1.2 |
| S3828 | 140.3 | 141.0 | . 7 | $<5$ |  | <1.0 |
| 53829 | 189.0 | 192.0 | 3.0 | <5 |  | <1.0 |

# GOLDTECK MINES LTD. <br> DIAMOND 

DRILL LOG AND SAMPLE RECORD
HOLE NUMBER: G-85

|  |  |  |
| :--- | :--- | :--- |
| Location: | Stairs Project |  |
| Northing: | $59+30 \mathrm{~N}$ |  |
| Easting: | $48+40 \mathrm{E}$ |  |
| Elevation: | .0 |  |
| Length: | 216.0 |  |
| Depth | D1p | Azimuth |
| 3.0 | -60.0 | 180.0 |
| 2.0 | -30.0 | 184.0 |
| 71.0 | -53.0 | 185.0 |
| 119.0 | -48.0 | 184.0 |
| 167.0 | -45.0 | 178.0 |
| 215.0 | -43.0 | 176.0 |

From(m) To(m) Code Core Description
Core Size: $\quad B Q$
Date Collared: February 27, 1988
Date Completed: February 29, 1988
Logged By: F.Sharpley

| .0 | 6.0 | OB | OVERBURDEN |
| :--- | :--- | :--- | :--- |
| 6.0 | 6.3 | 1B | DIORITE DYKE |

Light greenish-grey, fine-grained, masslve, uniform; sharp contact at 20
degrees.
6.3 3.8 3B PEBBLE CONGLOMERATE

Medium greenish-grey; polymictic
pebble conglomerate; weak carbonate
alteration; weakly follated at $30-45$
degrees.
$\begin{array}{lll}7.8 & 8.8 & 1 B \\ \text { DIORITE DYKE }\end{array}$
$8.8 \quad 12.3$ 3B PEBBLE CONGLOMERATE
12.3 13.0 1B DIORITE DYKE
13.0 13.2 $3 B$ PEBBLE CONGLOMERATE
13.2 13.5 1B DIORITE DYKE
$13.5 \quad 16.0 \quad 3 \mathrm{~B}$ PEBBLE CONGLOMERATE
16.0 16.6 1B DIORITE DYKE
16.6 16.8 3B PEBBLE CONGLOMERATE
16.8 17.1 1B DIORITE DYKE
$17.1 \quad 18.0 \quad 3 B \quad$ PEBBLE CONGLOMERATE
$18.0 \quad 21.7$ 3C SANDSTONE
Light grey, fine-grained, bedded at
45 degrees; weakly follated at 45
degrees.
$21.7 \quad 22.7$ 3B PEBBLE CONGLOMERATE
$22.7 \quad 24.4 \quad 3 \mathrm{C}$ SANDSTONE
24.428 .9 3C,3B SANDSTONE AND PEBBLE CONGLOMERATE

Interbanded at 45 degrees.
SANDSTONE
Weakly carbonatized; contact at 20
degrees; banding at 45 degrees.
28.6-28.9 guartz-carbonate veining
at 20 degrees.
33.35 cm quartz-carbonate vein at 45 degrees.

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| om(m) | To(m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 28.9 | 42.7 | 3 C | SANDSTONE (Con't) |
|  |  |  | 36.55 cm quartz-carbonate veining at 45 degrees. |
|  |  |  | 41.0-41.3 quartz-carbonate breccia. |
|  |  |  | 41.43 cm quartz-carbonate vein at 70 degrees. |
| 42.7 | 96.5 | 3A CR | CHROMIC CONGLOMERATE |
|  |  |  | Light greenish-grey, polymictic boulder conglomerate; weak chromic |
|  |  |  | alteration. |
|  |  |  | 54.7-55.2 quartz vein at 20 degrees. <br> 71.5-72.8 $\quad 408$ quartz veining at 45 |
|  |  |  | degrees. <br> 79.2-79.6 sandstone |
|  |  |  | 78.0 1cm quartz vein at 20 degrees. |
|  |  |  | 78.6 lcm quartz vein at 20 degrees. |
|  |  |  | 79.9 lcm quartz vein at 80 degrees. |
|  |  |  | 80.71 cm quartz vein at 20 degrees. |
|  |  |  | 81.01 cm quartz vein at 20 degrees. |
|  |  |  | 81.6 lcm quartz vein at 20 degrees. |
|  |  |  | 83.75 cm guartz vein at 45 degrees. |
| 96.5 | 111.5 | 3A | UNALTERED CONGLOMERATE |
|  |  |  | Medium greenish-grey, polymictic boulder conglomerate; weak carbonate |
|  |  |  | alteration. |
|  |  |  | 104.81 cm quartz-carbonate vein at |
|  |  |  | 45 degrees. |
|  |  |  | 106.0-106.5 sandstone. |
|  |  |  | $106.81 / 2 \mathrm{~cm}$ quartz-carbonate vein at 45 degrees. |
|  |  |  | $107.11 / 2 \mathrm{~cm}$ quartz-carbonate vein |
|  |  |  | at 20 degrees. |
|  |  |  | $107.4 \quad 1 / 2 \mathrm{~cm}$ quartz-carbonate vein |
|  |  |  | at 45 degrees. <br> $108.1 \quad 1 / 2 \mathrm{~cm}$ quartz-carbonate vein |
|  |  |  | at 60 degrees. |
| 111.5 | 113.3 | 3 C | SANDSTONE |
|  |  |  | Light to medium grey, banded at 45 degrees; fine-grained; weakly |
|  |  |  | carbonatized. |
| 113.3 | 125.8 | 3A | UNALTERED CONGLOMERATE |
|  |  |  | Weakly carbonatized. |
|  |  |  | 114.6 lcm quartz-carbonate vein at |
|  |  |  | 45 degrees. |
|  |  |  | 125.7-125.8 quartz-carbonate veining |
|  |  |  | at 45 degrees. |
| 125.8 | 129.7 | 3 C | SANDSTONE |
|  |  |  | 129.6-129.7 quartz veining at 45 |
|  |  |  | degrees. |


| HOLE NU | GBER ; | G85 |  |
| :---: | :---: | :---: | :---: |
| $1 \mathrm{~m}(\mathrm{~m}$ | TO(m) | Code | Core Description |
| 129.7 | 210.4 | 28R | EELSIC PYROCLASTICS |
|  |  |  | Whitish color, felsic fragments, |
|  |  |  | minor <58 argillite fragments in a |
|  |  |  | felsic coarse ash matrix; fragments |
|  |  |  | py, 18. |
|  |  |  | 131.5-137.0 hematized. |
|  |  |  | 143.5-154.0 hematized; weakly |
|  |  |  | 156.51 cm quartz vein at 60 degrees. |
|  |  |  | 161.0-210.0 blulsh-grey color. |
|  |  |  | 167.0 1 cm quartz-carbonate vein at |
|  |  |  | 20 degrees. |
|  |  |  | 194.0-199.5 hematized weakly |
|  |  |  | kaolinized. |
|  |  |  | 206.3-207.0 kaolinized weakly. |
|  |  |  | 208.5-210.4 weakly kaollnlzed. |
| 210.4 | 216.0 | OB | RESIDUAL KAOLIN |
|  |  |  | Residual kaolin. |
|  | 216.0 |  | E.O.H. |

MINES LTD
AYS AND SAMPLE RECORD
HOLE NUMBER: G-85

| Sample | No. Erom | To | Length | Au (ppb) | Au(chk) | Ag (ppm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S3830 | 52.7 | 53.7 | 1.0 | < 5 |  | $<1.0$ |
| 53831 | 53.7 | 54.7 | 1.0 | 7 |  | 1.2 |
| S3832 | 54.7 | 55.2 | . 5 | 15 |  | <1.0 |
| 53833 | 55.2 | 56.2 | 1.0 | 37 |  | 1.0 |
| 53834 | 56.2 | 57.2 | 1.0 | < 5 | 20.0 | 1.0 |
| S3835 | 70.5 | 71.5 | 1.0 | 15 | 1 | $<1.0$ |
| S3836 | 71.5 | 72.2 | . 7 | 18 |  | <1.0 |
| S3837 | 72.2 | 72.8 | . 6 | 18 |  | <1.0 |
| 53838 | 72.8 | 73.8 | 1.0 | 17 |  | <1.0 |
| S3839 | 78.0 | 79.0 | 1.0 | 25 |  | <1.0 |
| 53848 | 79.0 | 80.0 | 1.0 | 10 |  | 1.0 |
| 53841 | 80.0 | 81.0 | 1.0 | 26 |  | 1.0 |
| S3842 | 81.0 | 82.0 | 1.0 | 19 |  | 1.2 |
| S3843 | 82.0 | 83.0 | 1.0 | 13 | 11.0 | 1.2 |
| S3844 | 83.0 | 84.0 | 1.0 | 12 |  | 1.2 |
| S3845 | 104.5 | 105.5 | 1.0 | 12 |  | <1.0 |
| S3846 | 105.5 | 106.5 | 1.0 | 41 |  | 1.0 |
| S3847 | 106.5 | 107.5 | 1.0 | <5 |  | 1.2 |
| 53848 | 107.5 | 108.5 | 1.0 | <5 |  | 1.0 |
| S3849 | 108.5 | 109.5 | 1.0 | <5 |  | <1.0 |
| S3850 | 109.5 | 110.5 | 1.0 | <5 |  | 1.0 |
| S3851 | 110.5 | 111.5 | 1.0 | <5 |  | $<1.0$ |
| S3852 | 125.3 | 126.3 | 1.0 | <5 | $<5.0$ | <1.0 |
| S3853 | 129.3 | 130.3 | 1.0 | < 5 |  | <1.0 |

DI AMOND
DRILL LOG AND SAMPLE RECORD HOLE NUMBER: G-88

Core Size: $\quad B Q$
Date Collared: March 9, 1988
Date Completed: March 13, 1988
Logged By: F.Sharpley

| Location: | Stairs Project |  |
| :--- | :---: | :---: |
| Northing: | $63+20 \mathrm{~N}$ |  |
| Easting: | $36+40 \mathrm{E}$ |  |
| Elevation: | .0 |  |
| Length: | 294.0 |  |
| Depth | Dip | Azimuth |
| .0 | -50.0 | 180.0 |
| 20.0 | -46.5 | 176.0 |
| 74.0 | -42.0 | 176.0 |
| 128.0 | -38.0 | 172.0 |
| 182.0 | -33.0 | 172.0 |
| 236.0 | -29.5 | 173.0 |
| 290.0 | -27.5 | 174.0 |


| From(m) | To(m) | Code | Core Description |  |
| :---: | :---: | :---: | :---: | :---: |
| . 0 | 2.0 | OB | OVERBURDEN |  |
| 2.0 | 18.4 | 2B | INTERMEDIATE BRECCIA |  |
|  |  |  | Light grey to dark grey; auto- |  |
|  |  |  | breccia, strongay carbonatized, in- |  |
| ; |  |  | filled with argillite; weak to |  |
|  |  | : | moderately follated at 45 degrees; |  |
|  |  |  | felsic to intermediate breccia, |  |
|  |  |  | strongly carbonatized. |  |
|  |  |  | 13.0-14.0 is disseminated pyrite |  |
|  |  |  | 18.0-19.2 1\% disseminated pyrite |  |
| 18.4 | 26.7 | 2D | SERICITE SCHIST |  |
|  |  |  | Yellow-grey, weakly schistose at 45 |  |
|  |  |  | degrees; probably quartz-sericite |  |
|  |  |  | schist; altered felsic pyroclastic; |  |
|  |  |  | ghost felsic fragments $<5 \mathrm{~cm}$. |  |
| 26.7 | 42.8 | 2B | INTERMEDIATE BRECCIA |  |
|  |  |  | Light grey strongly carbonatized |  |
|  |  |  | felsic to intermediate breccia in- |  |
|  |  |  | filled with $20 \%$ argillite in and |  |
|  |  |  | around the fragments. |  |
|  |  |  | 35.0-36.0 <1\% disseminated pyrite. |  |
|  |  |  | 39.0-40.0<1\% disseminated pyrite. |  |
| 42.8 | 47.4 | 2D | SERICITE SCHIST |  |
|  |  |  | Light yellow-grey, weak to moderately |  |
|  |  |  | sericitized; weakly schistos; quartz- |  |
|  |  |  | sericite schist. |  |
|  |  |  | 42.8-43.8 < 18 disseminated pyrite. |  |
| 47.4 | 76.5 | 2B, 3D | INTERMEDIATE BRECCIA-TUFF | di mme GhCLOOLCAL SURVEY |
|  |  |  | Light grey to dark grey; interbanded | -. U (SSGMENT FILES |
|  |  |  | 20 \% argillite and strongly | OFFICE: |
|  |  |  | carbonatized fine breccia-tuff. |  |
|  |  |  | 53.05 cm quartz vein at 45 degrees. | M4R 101989 |
|  |  |  | 53.0-54.0 18 disseminated pyrite. |  |
|  |  |  | 58.210 cm quartz vein at 20 degrees. | E $C$ |


| From(m) | To(m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 47.4 | 76.5 | 2B, 3D | INTERMEDIATE BRECCIA-TUFF (Con't) |
|  |  |  | 67.31 cm quartz vein at 80 degrees. |
| 76.5 | 77.3 | 2D | SERICITE SCHIST |
|  |  |  | Light yellow-grey, weakly sericitized and foliated at 45 degrees. |
| 77.3 | 95.7 | 2B | INTERMEDIATE BRECCIA-TUFF |
|  |  |  | Light grey to dark grey, interbanded 20\% argillite and strongly |
|  |  |  | carbonatized fine-grained, light grey tuff-breccia. |
|  |  |  | 88.31 cm quartz vein at 80 degrees. |
| 95.7 | 102.4 | 20 | QUARTZ SERICITE SCHIST |
|  |  |  | Light yellow-grey, weak to moderate sericite alteration; weak to |
|  |  |  | moderately follated at 70 degrees. |
| 102.4 | 112.4 | 2B | Intermediate tuff-breccia |
|  |  |  | Light grey to dark grey, interbanded 20\% argillite and strongly |
|  |  |  | carbonatized light grey breccia. |
|  |  |  | 105.0 lcm quartz vein at 45 degrees. |
|  |  |  | 108.9-109.4 quartz-sericite schist |
|  |  |  | at 70 degrees. |
|  |  |  | 110.7-111.0 guartz-sericite schist at 70 degrees |
|  |  |  | 112.34 cm guartz vein at 70 degrees. |
| 112.4 | 121.8 | 2BR | RHYOLITIC PYROCLASTIC |
|  |  |  | Light yellow-grey, felsic fragments |
|  |  |  | $<5 \mathrm{~cm}$ in a coarse felsic ash matrix; |
|  |  |  | weak sericitic alteration. <br> 117.11 cm quartz vein at 80 |
|  |  |  | degrees. |
|  |  |  | 118.1 degrees. $\quad \mathrm{cm}$ quartz vein at 80 |
|  |  |  | 118.0-119.0 intermediate tuff- |
| 121.8 | 126.7 | 2BR | FELSIC TUFF-BRECCIA |
|  |  |  | Light yellow-grey, 20\% argillite |
|  |  |  | banding and streaks, strongly |
|  |  |  | carbonatized light grey felsic |
|  |  |  | fragments or breccia. |
| 126.7 | 138.7 | 2BR | FELSIC PYROCLASTIC |
|  |  |  | Light yellow-grey, felsic fragments |
|  |  |  | $<5 \mathrm{~cm}$ in a felsic coarse ash matrix; |
| 138.7 | 145.5 | 2A | INTERMEDIATE AUTO-BRECCIA |
|  |  |  | Medium grey, fairly massive, uniform; brecciated; weakly carbonatized. |
|  |  |  | 142.3 cm quartz vein at 45 degrees. |
|  |  |  | 145.5 scm guartz vein at 45 degrees. |

PAGE: 3

| From(m) | To(m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 145.5 | 174.0 | 3B | UNALTERED PEBBLE CONGLOMERATE |
|  |  |  | Medium greenish-grey, pebble |
|  |  |  | generally < 2 cm ; polymictic pebble |
|  |  |  | conglomerate. |
|  |  |  | $146.4 \mathrm{lcm} q u a r t z ~ v e i n ~ a t ~ 70 ~ d e g r e e s . ~$ |
|  |  |  | 148.01 cm guartz vein at 70 degrees. |
|  |  |  | 149.05 cm quartz vein at 70 |
|  |  |  | degrees. |
|  |  |  | 150.31 cm quartz vein at 40 degrees. |
|  |  |  | 154.1 lcm quartz vein at 70 degrees. |
|  |  |  | 155.41 cm quartz vein at 45 degrees. |
|  |  |  | 158.0 lcm quartz vein at 70 degrees. |
|  |  |  | 159.510 cm quartz breccia |
|  |  |  | 160.0-160.1 quartz vein at 70 degrees. 164.82 cm quartz vein at 20 degrees. |
|  |  |  | 165.81 cm quartz vein at 80 degrees. |
|  |  |  | 169.51 cm quartz vein at 45 degrees. |
|  |  |  | $171.1 \mathrm{lcm} q u a r t z ~ v e i n ~ a t ~ 80 ~ d e g r e e s . ~$ |
|  |  |  | 171.53 cm quartz vein at 70 degrees. |
|  |  |  | $172.3 \quad 10 \mathrm{~cm}$ - quartz vein at 45 |
|  |  |  | degrees. |
| 174.0 | 182.3 | 3B CR | CHROMIC CONGLOMERATE |
|  |  |  | Medium green, polymictic pebble |
|  |  |  | conglomerate; moderately strong |
|  |  |  | chromic alteration; mod. foliated at 60 degrees. |
|  |  |  | 174.3 cm quartz vein at 45 degrees. |
|  |  |  | 175.1 lcm quartz vein at 45 degrees. |
|  |  |  | 175.2 lcm quartz vein at 80 degrees. |
|  |  |  | 177.04 cm quartz bx . |
|  |  |  | 179.12 cm quartz vein at 80 degrees. |
|  |  |  | 179.5 lcm quartz vein at 60 degrees. |
|  |  |  | 180.0 lcm quartz vein at 45 degrees. |
| 182.3 | 205.5 | 3B,CR, | CHROMIC CONGLOMERATE |
|  |  |  | Medium green, polymictic pebble |
|  |  |  | conglomerate; buff pebbles; weak |
|  |  |  | chromic alteration; weak to |
|  |  |  | moderately foliated at 60 degrees. |
|  |  |  | $183.4 \mathrm{lcm} q u a r t z ~ v e i n ~ a t ~ 45 ~ d e g r e e s . ~$ |
|  |  |  | 185.3 lcm quartz-carbonate vein at |
|  |  |  | 45 degrees. |
|  |  |  | 186.72 cm quartz vein at 60 degrees. |
|  |  |  | 187.3 lcm quartz vein at 45 degrees. |
|  |  |  | 189.05 cm guartz vein at 60 degrees. |
|  |  |  | 190.64 cm quartz vein at 60 degrees. |
|  |  |  | 191.62 cm quartz vein at 45 degrees. |
|  |  |  | 192.03 cm quartz vein at 60 degrees. |
|  |  |  | 193.52 cm quartz vein at 60 degrees. |
|  |  |  | $195.51 / 2 \mathrm{~cm}$ quartz vein at 60 |
|  |  |  | degrees. |
|  |  |  | 197.22 cm quartz vein at 45 degrees. |


248.2294 .0 3B UNALTERED PEBBLE CONGLOMERATE

Medium green, polymictic pebble conglomerate. 249.3 lcm quartz vein at 70 degrees. 253.73 cm quartz vein at 70 degrees. 254.63 cm quartz vein at 80 degrees. 265.3 lcm quartz-carbonate vein at 45 degrees.
270.05 cm quartz vein at 70 degrees. 270.7-270.9 quartz-carbonate veining at 70 degrees.
273.82 cm quartz-carbonate vein at 60 degrees.
275.52 cm quartz-carbonate vein at 70 degrees.
276.02 cm quartz-carbonate vein at 70 degrees.
276.92 cm quartz-carbonate vein at 70 degrees.
282.73 cm quartz-carbonate vein at 20 degrees.
284.54 cm quartz-carbonate vein at 70 degrees.
285.22 cm quartz-carbonate vein at 70 degrees.
285.53 cm quartz-carbonate vein at 70 degrees.
292.33 cm quartz-carbonate vein at 60 degrees.
292.6-292.8 60\% quartz-carbonate veining at 70 degrees.
294.0
E.O.H.

GOLDTECK MINES LTD.
ASSAYS AND SAMPLE RECORD
HOLE NUMBER: G-88

| Sample | From | To | Length | $\mathrm{Au}(\mathrm{ppb})$ | Au(chk) | Ag (ppm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S3869 | 13.0 | 14.0 | 1.0 | 28 |  | 1.4 |
| S3870 | 17.4 | 18.4 | 1.0 | 22 |  | 1.4 |
| S3871 | 18.4 | 19.4 | 1.0 | 38 |  | 1.4 |
| S3872 | 35.0 | 36.0 | 1.0 | 9 |  | 1.2 |
| 53873 | 39.0 | 40.0 | 1.0 | 11 |  | 1.2 |
| S3874 | 42.8 | 44.0 | 1.2 | 9 |  | <1.0 |
| 53875 | 51.5 | 52.5 | 1.0 | 77 | 8.0 | 2.2 |
| 53876 | 52.5 | 53.0 | . 5 | 6 |  | 1.0 |
| S3877 | 53.0 | 54.0 | 1.0 | 6 |  | 1.2 |
| S3878 | 58.0 | 58.7 | . 7 | 11 |  | 1.0 |
| S3879 | 76.5 | 77.3 | . 8 | 8 |  | <1.0 |
| S3880 | 87.5 | 88.5 | 1.0 | <5 |  | 1.4 |
| S3881 | 105.0 | 106.0 | 1.0 | <5 |  | 1.0 |
| S3882 | 106.0 | 107.0 | 1.0 | <5 |  | 1.2 |
| S3883 | 107.0 | 108.0 | 1.0 | 8 |  | 1.2 |
| 53884 | 108.0 | 109.0 | 1.0 | <5 | 6.0 | 1.2 |
| S3885 | 109.0 | 110.0 | 1.0 | 10 |  | 1.4 |
| S3886 | 110.0 | 111.0 | 1.0 | 13 |  | 1.4 |
| S3887 | 111.0 | 112.0 | 1.0 | 12 | , | 1.4 |
| 53888 | 112.0 | 112.5 | . 5 | 11 |  | 1.2 |
| S3889 | 117.0 | 118.0 | 1.0 | 11 |  | <1.0 |
| 53890 | 118.0 | 119.0 | 1.0 | 10 |  | 1.4 |
| S3891 | 124.5 | 125.5 | 1.0 | 26 |  | 1.4 |
| S3892 | 125.5 | 126.7 | 1.2 | 239 |  | 1.2 |
| 53893 | 126.7 | 127.7 | 1.0 | 17 | 17.0 | <1.0 |
| 53894 | 127.7 | 129.0 | 1.3 | 48 |  | 1.6 |
| S3895 | 141.0 | 142.0 | 1.0 | 10 |  | 1.4 |
| S3896 | 142.0 | 143.0 | 1.0 | 127 |  | 1.6 |
| S3897 | 143.0 | 144.0 | 1.0 | <5 |  | 1.0 |
| S3898 | 144.0 | 145.0 | 1.0 | 8 |  | 1.2 |
| S3899 | 145.0 | 145.6 | .. 6 | 10 |  | <1.0 |
| 53900 | 145.6 | 146.6 | 1.0 | 11 |  | 1.2 |
| S3901 | 146.6 | 147.6 | 1.0 | 13 |  | 1.2 |
| S3902 | 147.6 | 148.6 | 1.0 | 12 | 11.0 | 1.6 |
| S3903 | 148.6 | 149.6 | 1.0 | <5 |  | 1.7 |
| 53904 | 149.6 | 150.6 | 1.0 | <5 |  | 2.0 |
| S3905 | 150.6 | 151.6 | 1.0 | 22 |  | 1.0 |
| S3906 | 151.6 | 152.6 | 1.0 | 70 |  | 1.2 |
| S3907 | 152.6 | 153.6 | 1.0 | 37 |  | 1.6 |
| 53908 | 153.6 | 154.6 | 1.0 | 50 |  | 1.6 |
| S3909 | 154.6 | 155.6 | 1.0 | <5 |  | 1.4 |
| 53910 | 155.6 | 156.6 | 1.0 | 12 |  | 1.8 |
| 53911 | 156.6 | 157.6 | 1.0 | <5 | 35.0 | 1.6 |
| S3912 | 157.6 | 158.6 | 1.0 | 12 |  | 1.8 |
| S3913 | 158.6 | 159.6 | 1.0 | 8 |  | 1.2 |
| S3914 | 159.6 | 160.6 | 1.0 | 27 |  | 1.2 |

GOLDTECK MINES LTD.
ASSAYS AND SAMPLE RECORD

## MILE NUMBER: G-88

Page 2
Sample No. From To Length $\mathrm{Au}(\mathrm{ppb}) \mathrm{Au}(\mathrm{chk}) \quad \mathrm{Ag}(\mathrm{ppm})$

| S3915 | 163.5 | 164.5 | 1.0 | <5 |  | 1.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53916 | 164.5 | 165.5 | 1.0 | <5 |  | 1.4 |
| 53917 | 165.5 | 166.5 | 1.0 | <5 |  | 1.6 |
| S3918 | 169.5 | 170.5 | 1.0 | 6 |  | 1.4 |
| S3919 | 170.5 | 171.5 | 1.0 | <5 |  | 1.6 |
| S3920 | 171.5 | 172.5 | 1.0 | <5 | <5.0 | 1.4 |
| S3921 | 172.5 | 173.5 | 1.0 | <5 |  | 1.2 |
| S3952 | 173.5 | 174.5 | 1.0 | 61 |  | <1.0 |
| 53953 | 174.5 | 175.5 | 1.0 | 203 |  | 1.2 |
| S3954 | 175.5 | 176.5 | 1.0 | 10 |  | 1.0 |
| S3955 | 176.5 | 177.5 | 1.0 | <5 |  | <1.0 |
| S3956 | 177.5 | 178.5 | 1.0 | 15 |  | 1.0 |
| S3957 | 178.5 | 179.5 | 1.0 | 50 |  | 1.2 |
| S3958 | 179.5 | 180.5 | 1.0 | 8 |  | 1.6 |
| S3959 | 180.5 | 181.5 | 1.0 | 10 |  | 1.0 |
| S3960 | 181.5 | 182.5 | 1.0 | 13 |  | 1.2 |
| S3961 | 182.5 | 183.5 | 1.0 | 11 |  | 1.2 |
| S3962 | 183.5 | 184.5 | 1.0 | 43 |  | 1.0 |
| S3963 | 184.5 | 185.5 | 1.0 | 15 |  | 1.0 |
| S3964 | 185.5 | 186.5 | 1.0 | 11 | 11.0 | <1.0 |
| S3965 | 186.5 | 187.5 | 1.0 | 8 |  | 1.2 |
| S3966 | 187.5 | 188.5 | 1.0 | 8 |  | 1.0 |
| S3967 | 188.5 | 189.5 | 1.0 | 18 |  | 1.0 |
| S3968 | 189.5 | 190.5 | 1.0 | 12 |  | <1.0 |
| S3969 | 190.5 | 191.5 | 1.0 | 17 |  | 1.0 |
| S3970 | 191.5 | 192.5 | 1.0 | 12 |  | 1.2 |
| S3971 | 192.5 | 193.5 | 1.0 | 11 |  | 1.0 |
| S3972 | 193.5 | 194.5 | 1.0 | 10 |  | <1.0 |
| S3973 | 194.5 | 195.5 | 1.0 | 14 | 11.0 | <1.0 |
| S3974 | 195.5 | 196.5 | 1.0 | 9 |  | <1.0 |
| S3975 | 196.5 | 197.5 | 1.0 | 13 |  | 1.0 |
| S3976 | 197.5 | 198.5 | 1.0 | 9 |  | 1.2 |
| S3977 | 198.5 | 199.5 | 1.0 | 7 |  | <1.0 |
| S3978 | 199.5 | 200.5 | 1.0 | 12 |  | 1.2 |
| S3979 | 200.5 | 201.5 | 1.0 | 8 |  | <1.0 |
| S3980 | 201.5 | 202.5 | 1.0 | <5 |  | 1.0 |
| S3981 | 202.5 | 203.5 | 1.0 | 7 |  | 1.0 |
| S3982 | 203.5 | 204.5 | 1.0 | 3 | 10.0 | <1.0 |
| S3983 | 204.5 | 205.0 | . 5 | 8 |  | 1.0 |
| S3984 | 205.0 | 205.7 | . 7 | 8 |  | 1.0 |
| S3985 | 205.7 | 206.5 | . 8 | 9 |  | 1.0 |
| 53986 | 206.5 | 207.5 | 1.0 | 36 |  | 1.0 |
| S3987 | 207.5 | 208.5 | 1.0 | 65 |  | 1.2 |
| S3988 | 208.5 | 209.5 | 1.0 | 11 |  | 1.2 |
| S3989 | 209.5 | 210.5 | 1.0 | 10 |  | 1.2 |
| S3990 | 210.5 | 211.5 | 1.0 | <5 |  | 1.4 |
| S3991 | 211.5 | 212.5 | 1.0 | 10 | 8.0 | 1.0 |

GOLDTECK MINES LTD.
assays and sample record
Hare NUMBER: G-88 Page 3
Sample No. From To Length $A u(p p b) \quad A u(c h k) ~ A g(p p m)$

| 53992 | 212.5 | 213.5 | 1.0 | 14 |  | 1.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S3993 | 213.5 | 214.5 | 1.0 | 15 |  | 1.2 |
| 53994 | 214.5 | 215.5 | 1.0 | 10 |  | 1.2 |
| S3995 | 215.5 | 216.5 | 1.0 | 17 |  | 1.4 |
| 53996 | 216.5 | 217.5 | 1.0 | 15 |  | 1.4 |
| 53997 | 217.5 | 218.5 | 1.0 | 63 |  | 1.6 |
| 53998 | 218.5 | 219.0 | . 5 | 18 |  | 1.2 |
| S3999 | 219.0 | 220.0 | 1.0 | 19 |  | 1.2 |
| S4000 | 220.0 | 221.0 | 1.0 | 120 |  | 1.2 |
| S 4001 | 221.0 | 222.0 | 1.0 | 34 |  | 1.2 |
| S4002 | 222.0 | 223.0 | 1.0 | 35 |  | 1.4 |
| S 4003 | 223.0 | 224.0 | 1.0 | 33 |  | 1.6 |
| S4004 | 224.0 | 225.0 | 1.0 | 20 |  | 1.6 |
| S 4005 | 225.0 | 226.0 | 1.0 | 20 | 14.0 | 1.8 |
| S4006 | 226.0 | 227.0 | 1.0 | 12 |  | 1.4 |
| S 4007 | 227.0 | 228.0 | 1.0 | 8 |  | 1.2 |
| S4008 | 228.0 | 229.0 | 1.0 | 9 |  | 1.4 |
| S 4009 | 229.0 | 230.0 | 1.0 | 9 | 9.0 | 1.2 |
| S4010 | 230.0 | 231.1 | 1.1 | 13 | : | 1.0 |
| S 4011 | 231.1 | 232.0 | . 9 | 8 |  | <1.0 |
| S4012 | 232.0 | 233.0 | 1.0 | 9 |  | <1.0 |
| S4013 | 233.0 | 234.0 | 1.0 | 11 |  | <1.0 |
| S4014 | 234.0 | 235.0 | 1.0 | 9 |  | <1.0 |
| S4015 | 235.0 | 236.0 | 1.0 | 8 |  | <1.0 |
| 54016 | 236.0 | 237.0 | 1.0 | 8 |  | 1.2 |
| 54017 | 237.0 | 238.0 | 1.0 | 9 |  | 1.2 |
| 54018 | 238.0 | 239.0 | 1.0 | 12 |  | 1.4 |
| S4019 | 239.0 | 240.0 | 1.0 | 35 |  | 1.2 |
| 54020 | 240.0 | 241.0 | 1.0 | 10 |  | 1.4 |
| S 4021 | 241.0 | 242.0 | 1.0 | 19 |  | 1.2 |
| S4022 | 242.0 | 243.0 | 1.0 | 7 |  | 1.2 |
| S4023 | 243.0 | 244.0 | 1.0 | 26 |  | 1.2 |
| S4024 | 244.0 | 245.0 | 1.0 | 8 |  | 1.0 |
| S 4025 | 245.0 | 246.0 | 1.0 | 8 |  | 1.4 |
| S4026 | 246.0 | 247.0 | 1.0 | 16 |  | 1.6 |
| S4027 | 247.0 | 248.2 | 1.2 | <5 | 5.0 | 1.4 |
| 54028 | 248.2 | 249.2 | 1.0 | 9 |  | 1.4 |
| S4029 | 270.0 | 271.0 | 1.0 | 10 |  | 2.2 |
| S4030 | 292.3 | 293.3 | 1.0 | 8 |  | 1.6 |
| S4031 | 293.3 | 294.0 | . 7 | 7 |  | 1.2 |

HOLE NUMBER: G-90
Core Size: BQ
Date Collared: March 13, 1988
Date Completed: March 17,1988
Logged By: F.Sharpley

Location: Stairs Project
Northing: 61+40N
Easting: $36+40 \mathrm{E}$
Elevation: . 0
Length: 297.0
Depth Dip Azimuth
$\begin{array}{lll}.0 & -50.0 & 180.0\end{array}$
$23.0 \quad-46.0 \quad 182.0$
$77.0 \quad-42.5 \quad 181.0$
$131.0 \quad-40.0 \quad 178.0$
$185.0 \quad-37.0 \quad 173.0$
$239.0 \quad-33.0 \quad 171.0$
$293.0 \quad-30.0 \quad 169.0$

From(m) To(m) Code Core Description

| . 0 | 2.0 | OB | OVERBURDEN |  |
| :---: | :---: | :---: | :---: | :---: |
| 2.0 | 7.4 | 3B CR | ChROMIC CONGLOMERATE |  |
|  |  |  | Light greenish-grey, ploymictic |  |
|  |  |  | pebble conglomerate, moderate to weak | . |
|  |  |  | chromic alteration. |  |
| 7.4 | 26.5 | 3B SI | buff conglomerate |  |
|  |  |  | Light greenish-grey to buff, |  |
|  |  |  | ploymictic pebble conglomerate; |  |
|  |  |  | moderately silicified. |  |
|  |  |  | 9.01 cm quartz vein at 45 degrees. |  |
|  |  |  | 11.0-11.25 quartz vein at 45 |  |
|  |  |  | degrees. |  |
|  |  |  | 16.61 cm quartz vein at 20 degrees. |  |
|  |  |  | 17.1-18.7 quartz breccia and veining |  |
|  |  |  | at 20 degrees; 58 disseminated pyrite |  |
|  |  |  | at 20 degrees. |  |
|  |  |  | 19.2-19.8 quartz breccia at 20 |  |
|  |  |  | degrees; chromic alteration. |  |
| 26.5 | 48.4 | 3B CR | CHROMIC CONGLOMERATE |  |
|  |  |  | Light greenish-grey, polymictic |  |
|  |  |  | pebble conglomerate, moderate chromic |  |
|  |  |  | conglomerate; |  |
|  |  |  | 27.01 cm quartz vein at 20 degrees. |  |
|  |  |  | 30.12 cm quartz vein at 20 degrees. |  |
|  |  |  | 25.2-31.8 weakly follated at 70 |  |
|  |  |  | degrees. | : |
|  |  |  | 30.95 cm quartz vein at 70 degrees. |  |
|  |  |  | 31.73 cm quartz vein at 45 degrees. | ONTARIO GEOLOMLCAL SURVEY |
|  |  |  | 33.01 cm quartz vein at 45 degrees. | ASSESSMENT FILES |
|  |  |  | 33.22 cm quartz vein at 45 degrees. | Office: |
|  |  |  | 34.8-35.0 quartz-carbonate breccia. |  |
|  |  |  | 35.74 cm quartz vein at 45 degrees. | MAR 101989 |
|  |  |  | 36.15 cm quartz vein at 20 degrees. |  |
|  |  |  | 38.3 - 38.5 quartz-breccia at 45 |  |
|  |  |  |  | RECEIVED |


| From(m) | To(m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 26.5 | 48.4 | 3B CR | CHROMIC CONGLOMERATE (Con't) |
|  |  |  | degrees. $41.0-41.2$ |
|  |  |  | 45.72 cm quartz vein at 45 degrees/ |
| 48.4 | 66.4 | 3B SI | buFF CONGLOMERATE |
|  |  |  | Light greenish-grey, polymictic pebble conglomerate; weak to |
|  |  |  | moderately follated at 70 degrees; |
|  |  |  | moderately siliclfied; buff pebbles. 51.5 - 60.2 moderately foliated at 70 |
|  |  |  | degrees. <br> 52.11 cm quartz vein at 70 degrees. |
|  |  |  | 53.42 cm guartz vein at 70 degrees. |
|  |  |  | 53.7-53.9 quartz veining at 45 |
|  |  |  | degrees. |
|  |  |  | 54.22 cm quartz vein at 45 degrees. |
|  |  |  | 57.22 cm quartz vein at 20 degrees. |
|  |  |  | 57.62 cm quartz vein at 45 degrees. |
|  |  |  | 58.73 cm quartz vein at 45 degrees. |
|  |  |  | 59.75 cm quartz vein at 70 degrees. |
|  |  |  | 60.75 cm quartz vein at 45 degrees. |
|  |  |  | 61.6-61.7 quartz veining at 45 |
|  |  |  | degrees. <br> 60.2-67.9 $15 \%$ quartz veining at 70 |
|  |  |  | degrees. |
|  |  |  | 64.7-65.2 $30 \%$ quartz veining at 70 degrees. |
| 66.4 | 70.7 | 3B CR | CHROMIC CONGLOMERATE |
|  |  |  | Light greenish-grey, polymictic |
|  |  |  | pebble conglomerate; moderate chromic |
|  |  |  | alteration. |
| 70.7 | 87.6 | 3B SI | FOLIATED BUFF CONGLOMERATE |
|  |  |  | Buff to light greenish-grey, |
|  |  |  | polymictic pebble conglomerate; |
|  |  |  | moderately silicified; strongly |
|  |  |  | follated at 70 degrees. |
|  |  |  | 74.8-75.5 guartz vein at 70 degrees. |
|  |  |  | 76.85 cm quartz vein at 70 degrees. |
|  |  |  | 79.52 cm quartz vein at 70 degrees. |
|  |  |  | 81.63 cm quartz vein at 70 degrees. |
| 87.6 | 144.5 | 3B | UNALTERED PEBBLE CONGLOMERATE |
|  |  |  | Medium green, polymictic pebble |
|  |  |  | conglomerate; moderately strong |
|  |  |  | carbonate alteration; numerous |
|  |  |  | quartz-carbonate veins. |
|  |  |  | 88.6-88.4 quartz-carbonate vein at |
|  |  |  | 70 degrees. |
|  |  |  | 89.1-89.2 quartz-carbonate vein at |
|  |  |  | 70 degrees. |


| From(m) | To(m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 87.6 | 144.5 | 3B | UNALTERED PEBBLE CONGLOMERATE (Con't) 101.9-1025.3 quartz-carbonate veining at 70 degrees. <br> 103.8-104.0 quartz-carbonate veining at 60 degrees. <br> 144.2-144.5 sheared quartz-carbonate vein at 70 degrees. |
| 144.5 | 150.5 | 3C | SANDSTONE <br> Medium greenish-grey, fine-grained, banded at 70 degrees, strongly carbonated. <br> 147.8-148.6 quartz-carbonate vein at 45 degrees. <br> 144.2-144.5 sheared quartz-carbonate vein at 70 degrees. |
| 150.5 | 186.0 | 3B | UNALTERED CONGLOMERATE Medium-greenish-grey, pebble conglomerate; <br> 165.95 cm quartz-carbonate vein at 70 degrees. <br> 176.6-176.7 quartz-carbonate vein at 70 degrees. <br> 183.2-183.9 quartz-carbonate veining at 70 degrees. |
| 186.0 | 197.6 | 3B | UNALTERED FOLIATED PEBBLE CONGLOMERATE Medium green, polymictic pebble conglomerate; weakly follated at 70 degrees; strongly carbonatized; stretched pebbles. <br> 187.75 cm quartz-carbonate vein at 70 degrees. <br> 190.8-191.0 60\% quartz-carbonate vein. <br> 197.3-197.6 quartz-carbonate veining at 70 degrees. |
| 197.6 | 207.5 | 3B SI | buFf CONGLOMERATE <br> Light to medium greenish-grey, polymictic pebble conglomerate; weak to moderate silicification; weak to moderate carbonitization; weak to moderately foliated at 70 degrees. 207.3-207.5 sheared quartz-carbonate veining at 70 degrees. |
| 207.5 | 228.0 | 3B CR | CHROMIC CONGLOMERATE <br> Medium greenish-grey, polymictic pebble conglomerate; weak chromic alteration; weak to moderately foliated; at 70 degrees: a few quartz stringers. |


| From(m) | To(m) | Code | Core Description |
| :---: | :---: | :---: | :---: |
| 207.5 | 228.0 | 3B CR | CHROMIC CONGLOMERATE (Con't) |
|  |  |  | 208.5-208.7 quartz veining at 70 |
|  |  |  | degrees. |
|  |  |  | 209.02 cm quartz vein at 70 degrees. |
|  |  |  | 215.13 cm quartz-carbonate vein at |
|  |  |  | 70 degrees. |
|  |  |  | 216.0-228.0 traces of pyrite <1\%. |
| 228.0 | 269.0 | 3B | UNALTERED CONGLOMERATE |
|  |  |  | Medium pebble greenish-grey, conglomerate; $\quad \begin{gathered}\text { polymicitc } \\ \text { moderate }\end{gathered}$ |
|  |  |  | carbonate alteration. |
|  |  |  | 235.4-235.5 quartz-carbonate veining at 45 degrees. |
|  |  |  | 243.0 2cm quartz-carbonate veining |
|  |  |  | at 20 degrees. |
|  |  |  | 243.5 2cm quartz-carbonate veining |
|  |  |  | at 20 degrees. |
|  |  |  | 246.02 cm quartz-carbonate veining |
|  |  |  | at 45 degrees. |
|  |  |  | 248.52 cm quartz-carbonate vein at |
|  |  |  | 60 degrees. |
|  |  |  | 25.4.2 2cm quartz-carbonate vein at |
|  |  |  | 45 degrees. |
|  |  |  | 256.52 cm quartz-carbonate vein at 45 |
|  |  |  | degrees. |
|  |  |  | 265.51 cm quartz-carbonate vein at 45 degrees. |
| 269.0 | 273.9 | 3B SI | buff CONGLOMERATE |
|  |  |  | Light to medium greenish-grey, |
|  |  |  | polymictic pebble conglomerate; |
|  |  |  | weakly foliated at 70 degrees; weakly |
|  |  |  | silicified. |
|  |  |  | 272.0-273.0 sheared at 20 degrees. |
|  |  |  | 273.7-273.9 quartz-carbonate veining |
|  |  |  | at 70 degrees. |
| 273.9 | 290.0 | 3B | UNALTERED CONGLOMERATE |
|  |  |  | Medium green, polymictic pebble |
|  |  |  | conglomerate; strongly carbonatized. |
|  |  |  | 285.15 cm quartz-carbonate vein at |
|  |  |  | 70 degrees. |
|  |  |  | 285.6-286.0 quartz-carbonate vein |
|  |  |  | at 20 degrees. |
|  |  |  | 288.63 cm quartz-carbonate vein at |
|  |  |  | 70 degrees. |
| 290.0 | 297.0 | 3 C | SANDSTONE |
|  |  |  | Medium grey, fine-grained, banded at 75 degrees; minor pebble bands. |
|  | 297.0 |  | E.O.H. |

GOLDTECK MINES LTD.
ASSAYS AND SAMPLE RECORD
HOLE NUMBER: G-90

| Sample | No. From | To | Length | Au(ppb) | Au(chk) | Ag(ppm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S4038 | 8.8 | 9.8 | 1.0 | 13 |  | 1.2 |
| 54039 | 9.8 | 10.8 | 1.0 | 20 |  | 1.2 |
| 54040 | 10.8 | 11.8 | 1.0 | 16 |  | 1.4 |
| S4041 | 11.8 | 12.8 | 1.0 | 39 |  | 1.0 |
| S4042 | 12.8 | 13.8 | 1.0 | 10 |  | 1.4 |
| S4043 | 13.8 | 14.8 | 1.0 | 14 | 7.0 | 1.2 |
| S4044 | 14.8 | 15.8 | 1.0 | 6 |  | 3.3 |
| S4045 | 15.8 | 16.8 | 1.0 | 7 |  | 2.0 |
| S4046 | 16.0 | 17.8 | 1.8 | 17 |  | 1.6 |
| S4047 | 17.8 | 18.8 | 1.0 | 29 |  | 2.4 |
| S4048 | 18.8 | 19.8 | 1.0 | 193 |  | 2.0 |
| S4049 | 19.8 | 20.8 | 1.0 | 77 |  | 2.4 |
| S4050 | 20.8 | 21.8 | 1.0 | 33 |  | 2.0 |
| S4051 | 25.3 | 26.3 | 1.0 | 7 |  | 2.2 |
| S 4052 | 26.3 | 27.3 | 1.0 | 13 |  | 2.2 |
| S4053 | 27.3 | 28.3 | 1.0 | 30 | 8.0 | 1.8 |
| S 4054 | 28.3 | 29.3 | 1.0 | 53 |  | 2.4 |
| S4055 | 29.3 | 30.3 | 1.0 | 22 |  | 2.6 |
| S4056 | 30.3 | 31.3 | 1.0 | 33 |  | 2.4 |
| S4057 | 31.3 | 32.3 | 1.0 | 7 |  | 1.6 |
| 54058 | 32.3 | 33.3 | 1.0 | -5 |  | 2.2 |
| 54059 | 33.3 | 34.3 | 1.0 | 9 |  | 1.8 |
| S4060 | 34.3 | 35.3 | 1.0 | -5 |  | 1.8 |
| S4061 | 35.3 | 36.3 | 1.0 | -5 |  | 2.8 |
| S 4062 | 36.3 | 37.3 | 1.0 | -5 | -5.0 | 2.0 |
| S4063 | 37.3 | 38.3 | 1.0 | -5 |  | 2.4 |
| S 4064 | 38.3 | 39.3 | 1.0 | -5 |  | 2.0 |
| 54065 | 39.3 | 40.3 | 1.0 | -5 |  | 2.8 |
| S4066 | 40.3 | 41.3 | 1.0 | -5 |  | 3.0 |
| S4067 | 41.3 | 42.3 | 1.0 | 6 |  | 2.7 |
| S 4068 | 42.3 | 43.3 | 1.0 | -5 |  | 3.0 |
| S4069 | 43.3 | 44.3 | 1.0 | -5 |  | 1.8 |
| S4070 | 44.3 | 45.3 | 1.0 | -5 |  | 1.8 |
| S4071 | 45.3 | 46.3 | 1.0 | 17 |  | 1.6 |
| S4072 | 46.3 | 47.3 | 1.0 | 24 |  | 2.0 |
| S4073 | 47.3 | 48.4 | 1.1 | 11 |  | 1.8 |
| S4074 | 48.4 | 49.4 | 1.0 | -5 |  | 1.6 |
| S4075 | 49.4 | 50.4 | 1.0 | 10 |  | 1.8 |
| S4076 | 50.4 | 51.4 | 1.0 | 14 |  | 1.8 |
| 54077 | 51.4 | 52.4 | 1.0 | 17 |  | 1.6 |
| S 4078 | 52.4 | 53.4 | 1.0 | 6 |  | 1.6 |
| S4079 | 53.4 | 54.4 | 1.0 | 20 |  | 1.2 |
| 54080 | 54.4 | 55.4 | 1.0 | 5 | 132.0 | 1.2 |
| S4081 | 55.4 | 56.4 | 1.0 | 8 |  | 1.6 |
| S4082 | 56.4 | 57.4 | 1.0 | 7 |  | 1.2 |
| S4083 | 57.4 | 58.4 | 1.0 | 7 |  | 1.2 |

GOLDTECK MINES LTD.
ASSAYS AND SAMPLE RECORD
HOLE NUMBER: G-90
Page 2

| Sample | No. From | To | Length | $\mathrm{Au}(\mathrm{ppb})$ | Au(chk) | Ag (ppm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54084 | 58.4 | 59.4 | 1.0 | 6 |  | 1.8 |
| 54085 | 59.4 | 60.2 | . 8 | 15 |  | 1.6 |
| S4086 | 60.2 | 61.2 | 1.0 | 36 |  | 1.4 |
| S4087 | 61.2 | 62.2 | 1.0 | 9 |  | 2.2 |
| S4088 | 62.2 | 63.2 | 1.0 | 13 |  | 2.0 |
| S4089 | 63.2 | 64.2 | 1.0 | 4323 | 62.0 | 1.6 |
| 54090 | 64.2 | 65.2 | 1.0 | 51 |  | 1.6 |
| S4091 | 65.2 | 66.4 | 1.2 | 154 |  | 1.4 |
| S4092 | 66.4 | 67.4 | 1.0 | 31 |  | 1.6 |
| 54093 | 67.4 | 68.4 | 1.0 | 23 |  | 1.2 |
| S4094 | 68.4 | 69.4 | 1.0 | 77 |  | 2.0 |
| S4095 | 69.4 | 70.7 | 1.3 | 33 |  | 1.4 |
| S4096 | 70.7 | 71.7 | 1.0 | 27 |  | 1.8 |
| S4097 | 71.7 | 72.7 | 1.0 | 32 |  | 1.4 |
| S4098 | 72.7 | 73.7 | 1.0 | 90 | 167.0 | 1.6 |
| S4099 | 73.7 | 74.7 | 1.0 | 202 |  | 1.2 |
| S4100 | 74.7 | $\bigcirc 75.7$ | 1.0 | 19 |  | 1.0 |
| 54101 | 75.7 | 76.7 | 1.0 | 67 | 70.0 | 1.2 |
| S4102 | 76.7 | 77.7 | 1.0 | -5 | -5.0 | 1.6 |
| 54103 | 77.7 | 78.7 | 1.0 | -5 |  | 2.6 |
| S4104 | 78.7 | 79.7 | 1.0 | 6 |  | 2.8 |
| 54105 | 79.7 | 80.7 | 1.0 | -5 |  | 2.8 |
| S4106 | 80.7 | 81.7 | 1.0 | -5 |  | 2.8 |
| S4107 | 81.7 | 82.7 | 1.0 | -5 |  | 2.8 |
| S4108 | 82.7 | 83.7 | 1.0 | -5 |  | 4.2 |
| S4109 | 83.7 | 84.7 | 1.0 | -5 |  | 3.4 |
| 54110 | 84.7 | 85.7 | 1.0 | -5 |  | 3.0 |
| 54111 | 85.7 | 86.7 | 1.0 | -5 | -5.0 | 4.2 |
| S 4112 | 86.7 | 87.7 | 1.0 | -5 |  | 3.8 |
| 54113 | 87.7 | 88.6 | . 9 | -5 |  | 3.8 |
| 54114 | 88.6 | 89.6 | 1.0 | -5 |  | 3.8 |
| 54115 | 101.8 | 102.8 | 1.0 | -5 |  | 4.0 |
| S4116 | 102.8 | 103.8 | 1.0 | -5 |  | 4.2 |
| 54117 | 103.8 | 104.8 | 1.0 | 5 |  | 4.1 |
| 54118 | 147.8 | 148.8 | 1.0 | -5 |  | 4.0 |
| 54128 | 196.3 | 197.3 | 1.0 | 8 |  | 5.0 |
| S3161 | 197.3 | 198.3 | 1.0 | 59 |  | 2.2 |
| 53162 | 198.3 | 199.3 | 1.0 | 5 |  | 2.0 |
| S3163 | 199.3 | 200.3 | 1.0 | 9 |  | 1.6 |
| S3164 | 200.3 | 201.3 | 1.0 | 10 |  | 1.8 |
| S3165 | 201.3 | 202.3 | 1.0 | 5 | 10.0 | 1.8 |
| S3166 | 202.3 | 203.3 | 1.0 | 7 |  | 2.2 |
| S3167 | 203.3 | 204.3 | 1.0 | -5 |  | 1.6 |
| 53168 | 204.3 | 205.3 | 1.0 | -5 |  | 2.0 |
| S3169 | 205.3 | 206.3 | 1.0 | -5 |  | 1.8 |
| 53170 | 206.3 | 207.5 | 1.2 | 8 |  | 1.2 |
| 53171 | 207.5 | 208.5 | 1.0 | 6 |  | 2.2 |

## GOLDTECK MINES LTD.

ASSAYS AND SAMPLE RECORD
HOLE NUMBER: G-90 Page 3

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Sample | No. From | To | Length | Au(ppb) | Au(chk) | Ag(ppm) |
|  |  |  |  |  |  |  |
| S3172 | 208.5 | 209.5 | 1.0 | 8 |  | 2.0 |
| S3173 | 209.5 | 210.5 | 1.0 | 6 |  | 1.6 |
| S3174 | 210.5 | 211.5 | 1.0 | 15 | 13.0 | 2.2 |
| S3175 | 211.5 | 212.5 | 1.0 | 6 |  | 2.0 |
| S3176 | 212.5 | 213.5 | 1.0 | 6 |  | 2.0 |
| S3177 | 213.5 | 214.5 | 1.0 | 9 |  | 2.4 |
| S3178 | 214.5 | 215.5 | 1.0 | 8 |  | 1.4 |
| S3179 | 215.5 | 216.5 | 1.0 | -5 |  | 2.4 |
| S3180 | 216.5 | 217.5 | 1.0 | -5 |  | 2.0 |
| S3181 | 217.5 | 218.5 | 1.0 | -5 |  | 1.6 |
| S3182 | 218.5 | 219.5 | 1.0 | 6 |  | 1.6 |
| S3183 | 219.5 | 220.5 | 1.0 | 11 | 5.0 | 2.2 |
| S3184 | 220.5 | 221.5 | 1.0 | 11 |  | 2.2 |
| S3185 | 221.5 | 222.5 | 1.0 | -5 |  | 2.6 |
| S3186 | 222.5 | 223.5 | 1.0 | 7 |  | 2.6 |
| S3187 | 223.5 | 224.5 | 1.0 | 12 |  | 3.2 |
| S3188 | 224.5 | 225.5 | 1.0 | 8 |  | 2.7 |
| S3189 | 225.5 | 226.5 | 1.0 | -5 |  | 2.2 |
| S3190 | 226.5 | 227.5 | 1.0 | 7 |  | 2.2 |
| S3191 | 227.5 | 228.5 | 1.0 | -5 |  | 2.4 |
| S3192 | 228.5 | 229.5 | 1.0 | 31 | 12.0 | 1.8 |
| S3193 | 229.5 | 230.5 | 1.0 | 27 |  | 2.0 |
| S3194 | 230.5 | 231.5 | 1.0 | 9 |  | 2.0 |
| S3195 | 269.0 | 270.0 | 1.0 | 35 |  | 3.0 |
| S3196 | 270.0 | 271.0 | 1.0 | 6 |  | 2.6 |
| S3197 | 271.0 | 272.0 | 1.0 | -5 |  | 2.2 |
| S3198 | 272.0 | 273.0 | 1.0 | -5 |  | 2.4 |
| S3199 | 273.0 | 273.9 | .9 | 10 |  | 2.4 |
| S3200 | 273.9 | 274.9 | 1.0 | -5 | 2.4 |  |
| S3201 | 274.9 | 275.9 | 1.0 | -5 | -5.0 | 2.4 |
| S3202 | 275.9 | 276.9 | 1.0 | 5 |  | 2.6 |





Ministry of Northern Development and Mines
Ontario

Report of Work
P.0. Box 170, 1 First Canadian Place, Toronto, Ontario
MS 169
HallidayTurp
Summary of Work Performance and Distribution of Credits

Certification Verifying Report of Work
 or witnessed same during end/or after its completion and the annexed report is true.
Name and Postal Address of Person Certifying
T. G. Robinson

FIB 3G3
1390 Copeland Street, North Bay, Ontario
Date Certified
August 8, 1988
Table of Information/Attachments Required by the Mining Recorder



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

St. Lambert Drilling Company Ltd P.O.Box 473, Valleyfield, Quebec

J6S 4V7

Hole No.
Drilling Dates
February 25 - 27, 1988
Depths (metres)
G 82
February 27-29, 1988
195
G 85
G 88
G 90
March 9-13, 1988
March 13-17, 1988
no

216
294
297


Certification Verifying Report of Work


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 | Namus and addresses of men who periormed manual work / operated equipment, logether 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 |  |  |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | Names and addresses of owner or operator together with dates when drilling/strlpping |  |

