

# DRILL HOLE # BGC03-22

**Date Drilled:** May 23, 2003  
**Contractor & Rig:** Mine's Diamond Drill  
**Drill Method:** BQ Chilled Brine Coring  
**Hammer Type:** N/A

**Location:** Test Cell Dike  
**Elevation:** 374.5 m  
**Co-ord:** 13450.0N, 17810.0E (Mine Grid)  
**Logged by:** G. Ferris

**Project No.** 0255-008-03  
**Reviewed by:** J. Cassie  
**Notes:** Thermistor Installed, Tag #30-2

| Depth (m) | SOIL DESCRIPTION                                              | Core Run | Recovery | Moisture Content % |   |    |  | Installation / Backfill |  | Depth (m) |
|-----------|---------------------------------------------------------------|----------|----------|--------------------|---|----|--|-------------------------|--|-----------|
|           |                                                               |          |          | Wp                 | X | WI |  |                         |  |           |
| 11        | @ 10.8 m: 250 mm zone with gravel sized shale fragments.      | 10       |          |                    |   |    |  |                         |  | 11        |
| 12        |                                                               | 11       |          |                    | x |    |  |                         |  | 12        |
| 13        |                                                               | 12       |          |                    |   |    |  |                         |  | 13        |
| 14        | @ 14.5 m: 600 mm zone with gravel and cobble shale fragments. | 13       |          |                    |   |    |  |                         |  | 14        |
| 15        | @ 14.8 m: Silty, fine to medium grained.                      | 14       |          |                    |   |    |  |                         |  | 15        |
| 16        |                                                               | 15       |          |                    |   |    |  |                         |  | 16        |
| 17        | @ 16.45 m: Some silt.                                         | 16       |          |                    |   |    |  |                         |  | 17        |
| 18        | @ 17.1 m: Partly thawed core.                                 | 17       |          |                    |   |    |  |                         |  | 18        |
| 19        |                                                               | 18       |          |                    |   |    |  |                         |  | 19        |
| 20        | @ 18.6 m: Drill advance with no head pressure.                | 19       |          |                    |   |    |  |                         |  | 20        |



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Calgary, AB

Phone (403) 250-5185

CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.  
 PROJECT: Geotechnical Investigation  
 Final Depth: 27.4 m

Logged by: G. Ferris



Final Depth: 27.4 m

# DRILL HOLE # BGC03-31

Page 1 of 3

Date Drilled: Sept. 23, 2003

Contractor & Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell

Elevation: 387.6 m

Co-ord: 13666.4N, 17531.6E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Vibrating Wire Piezometer Installed

| Depth (m) | SOIL DESCRIPTION |       | Core Run | Recovery | Moisture Content % |   |    |  | Installation / Backfill |  | Depth (m) |
|-----------|------------------|-------|----------|----------|--------------------|---|----|--|-------------------------|--|-----------|
|           |                  |       |          |          | Wp                 | X | WI |  |                         |  |           |
| 0         | Ground Surface   | 387.6 |          |          |                    |   |    |  |                         |  | 0         |
|           | SHALE (FILL)     | 0.0   |          |          |                    |   |    |  |                         |  |           |
| 1         |                  | 386.5 |          |          |                    |   |    |  |                         |  | 1         |
|           | TAILINGS         | 1.1   |          |          |                    |   |    |  |                         |  |           |
|           | Frozen           |       |          |          |                    |   |    |  |                         |  |           |
| 2         |                  |       |          |          |                    |   |    |  |                         |  | 2         |
| 3         |                  |       |          |          |                    |   |    |  |                         |  | 3         |
| 4         |                  |       |          |          |                    |   |    |  |                         |  | 4         |
| 5         |                  |       |          |          |                    |   |    |  |                         |  | 5         |
| 6         |                  |       |          |          |                    |   |    |  |                         |  | 6         |
| 7         |                  |       |          |          |                    |   |    |  |                         |  | 7         |
| 8         |                  |       |          |          |                    |   |    |  |                         |  | 8         |
| 9         |                  |       |          |          |                    |   |    |  |                         |  | 9         |
| 10        |                  |       |          |          |                    |   |    |  |                         |  | 10        |



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CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.

PROJECT: Geotechnical Investigation

Final Depth: 21.3 m

**DRILL HOLE # BGC03-31**

Date Drilled: Sept. 23, 2003

Contractor &amp; Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell

Elevation: 387.6 m

Co-ord: 13666.4N, 17531.6E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Vibrating Wire Piezometer Installed

| Depth (m) | SOIL DESCRIPTION   | Core Run | Recovery | Moisture Content % |    |    |    | Installation / Backfill |  | Depth (m) |
|-----------|--------------------|----------|----------|--------------------|----|----|----|-------------------------|--|-----------|
|           |                    |          |          | Wp                 | X  | WI |    |                         |  |           |
|           |                    |          |          | 10                 | 20 | 30 | 40 |                         |  |           |
| 11        | ICE                |          |          |                    |    |    |    |                         |  | 11        |
|           | 376.9<br>10.7      |          |          |                    |    |    |    |                         |  |           |
| 12        |                    |          |          |                    |    |    |    |                         |  | 12        |
|           | 375.1<br>12.5      |          |          |                    |    |    |    |                         |  |           |
| 13        | TAILINGS<br>Frozen |          |          |                    |    |    |    |                         |  | 13        |
| 14        |                    |          |          |                    |    |    |    |                         |  | 14        |
| 15        |                    |          |          |                    |    |    |    |                         |  | 15        |
| 16        |                    |          |          |                    |    |    |    |                         |  | 16        |
| 17        |                    |          |          |                    |    |    |    |                         |  | 17        |
|           | 369.9<br>17.7      |          |          |                    |    |    |    |                         |  |           |
| 18        | TAILINGS<br>Thawed |          |          |                    |    |    |    |                         |  | 18        |
| 19        |                    |          |          |                    |    |    |    |                         |  | 19        |
| 20        |                    |          |          |                    |    |    |    |                         |  | 20        |

@ 12.5 m Slotted PVC pipe

Vibrating Wire Piezometer  
installed @ 19.2 m  
s/n VW 0448
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CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.

PROJECT: Geotechnical Investigation

Final Depth: 21.3 m

**DRILL HOLE # BGC03-31**

Date Drilled: Sept. 23, 2003

Contractor &amp; Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell

Elevation: 387.6 m

Co-ord: 13666.4N, 17531.6E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Vibrating Wire Piezometer Installed

| Depth (m) | SOIL DESCRIPTION | Core Run | Recovery | Moisture Content % |    | Installation / Backfill |    | Depth (m) |
|-----------|------------------|----------|----------|--------------------|----|-------------------------|----|-----------|
|           |                  |          |          | Wp                 | WI |                         |    |           |
|           |                  |          |          | 10                 | 20 | 30                      | 40 |           |
| 21        |                  |          |          |                    |    |                         |    | 21        |
|           |                  |          |          |                    |    |                         |    |           |
| 22        |                  |          |          |                    |    |                         |    | 22        |
|           |                  |          |          |                    |    |                         |    |           |
| 23        |                  |          |          |                    |    |                         |    | 23        |
|           |                  |          |          |                    |    |                         |    |           |
| 24        |                  |          |          |                    |    |                         |    | 24        |
|           |                  |          |          |                    |    |                         |    |           |
| 25        |                  |          |          |                    |    |                         |    | 25        |
|           |                  |          |          |                    |    |                         |    |           |
| 26        |                  |          |          |                    |    |                         |    | 26        |
|           |                  |          |          |                    |    |                         |    |           |
| 27        |                  |          |          |                    |    |                         |    | 27        |
|           |                  |          |          |                    |    |                         |    |           |
| 28        |                  |          |          |                    |    |                         |    | 28        |
|           |                  |          |          |                    |    |                         |    |           |
| 29        |                  |          |          |                    |    |                         |    | 29        |
|           |                  |          |          |                    |    |                         |    |           |
| 30        |                  |          |          |                    |    |                         |    | 30        |

SOIL DESCRIPTION

Installation / Backfill

Moisture Content %

Wp |-----X-----| WI

10 20 30 40

@ 20.1 m end of PVC pipe

366.3

End of Borehole

21.3


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CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.

PROJECT: Geotechnical Investigation

Final Depth: 21.3 m

**DRILL HOLE # BGC03-32**

Date Drilled: Sept. 23, 2003

Contractor &amp; Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell

Elevation: 387.2 m

Co-ord: 13576.4N, 17471.8E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Vibrating Wire Piezometer Installed

| Depth (m) | SOIL DESCRIPTION     | Core Run | Recovery | Moisture Content % |    |    |    | Installation / Backfill |  | Depth (m) |
|-----------|----------------------|----------|----------|--------------------|----|----|----|-------------------------|--|-----------|
|           |                      |          |          | Wp                 | X  | WI |    |                         |  |           |
|           |                      |          |          | 10                 | 20 | 30 | 40 |                         |  |           |
| 0         | Ground Surface 387.2 |          |          |                    |    |    |    |                         |  | 0         |
|           | SHALE (FILL) 0.0     |          |          |                    |    |    |    |                         |  |           |
| 1         |                      |          |          |                    |    |    |    |                         |  | 1         |
|           | TAILINGS 386.1       |          |          |                    |    |    |    |                         |  |           |
|           | Frozen 1.1           |          |          |                    |    |    |    |                         |  |           |
| 2         |                      |          |          |                    |    |    |    |                         |  | 2         |
| 3         |                      |          |          |                    |    |    |    |                         |  | 3         |
| 4         |                      |          |          |                    |    |    |    |                         |  | 4         |
| 5         |                      |          |          |                    |    |    |    |                         |  | 5         |
| 6         |                      |          |          |                    |    |    |    |                         |  | 6         |
| 7         |                      |          |          |                    |    |    |    |                         |  | 7         |
| 8         |                      |          |          |                    |    |    |    |                         |  | 8         |
| 9         |                      |          |          |                    |    |    |    |                         |  | 9         |
| 10        |                      |          |          |                    |    |    |    |                         |  | 10        |

@ 9.9 m slotted PVC pipe


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CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.

PROJECT: Geotechnical Investigation

Final Depth: 22.3 m

# DRILL HOLE # BGC03-32

Page 2 of 3

Date Drilled: Sept. 23, 2003

Contractor & Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell

Elevation: 387.2 m

Co-ord: 13576.4N, 17471.8E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Vibrating Wire Piezometer Installed

| Depth (m) | SOIL DESCRIPTION   | Core Run | Recovery | Moisture Content %<br>Wp  -----X-----  Wl<br>10 20 30 40 | Installation / Backfill |  | Depth (m) |
|-----------|--------------------|----------|----------|----------------------------------------------------------|-------------------------|--|-----------|
|           |                    |          |          |                                                          |                         |  |           |
| 11        |                    |          |          |                                                          |                         |  | 11        |
| 12        |                    |          |          |                                                          |                         |  | 12        |
| 13        |                    |          |          |                                                          |                         |  | 13        |
| 14        | TAILINGS<br>Thawed | 373.5    | 13.7     |                                                          |                         |  | 14        |
| 15        |                    |          |          |                                                          |                         |  | 15        |
| 16        |                    |          |          |                                                          |                         |  | 16        |
| 17        |                    |          |          |                                                          |                         |  | 17        |
| 18        |                    |          |          |                                                          |                         |  | 18        |
| 19        |                    |          |          |                                                          |                         |  | 19        |
| 20        |                    |          |          |                                                          |                         |  | 20        |

@ 17.4 m Vibrating wire  
piezometer installed  
s/n VW 0449

@ 17.5 m end of PVC pipe



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Final Depth: 22.3 m

# DRILL HOLE # BGC03-32

Date Drilled: Sept. 23, 2003  
Contractor & Rig: Mine's Diamond Drill  
Drill Method: BQ Chilled Brine Coring  
Hammer Type: N/A

Location: Surface Cell  
Elevation: 387.2 m  
Co-ord: 13576.4N, 17471.8E (Mine Grid)  
Logged by: M. Markle (NML)

Project No. 0255-008-03  
Reviewed by: J. Cassie  
Notes: Vibrating Wire Piezometer Installed

| Depth (m) | SOIL DESCRIPTION | Core Run | Recovery | Moisture Content % |    |    |    | Installation / Backfill |  | Depth (m) |
|-----------|------------------|----------|----------|--------------------|----|----|----|-------------------------|--|-----------|
|           |                  |          |          | Wp                 | X  | WI |    |                         |  |           |
|           |                  |          |          | 10                 | 20 | 30 | 40 |                         |  |           |
| 21        |                  |          |          |                    |    |    |    |                         |  | 21        |
| 22        |                  |          |          |                    |    |    |    |                         |  | 22        |
|           | End of Borehole  | 364.9    |          |                    |    |    |    |                         |  |           |
|           |                  | 22.3     |          |                    |    |    |    |                         |  |           |
| 23        |                  |          |          |                    |    |    |    |                         |  | 23        |
| 24        |                  |          |          |                    |    |    |    |                         |  | 24        |
| 25        |                  |          |          |                    |    |    |    |                         |  | 25        |
| 26        |                  |          |          |                    |    |    |    |                         |  | 26        |
| 27        |                  |          |          |                    |    |    |    |                         |  | 27        |
| 28        |                  |          |          |                    |    |    |    |                         |  | 28        |
| 29        |                  |          |          |                    |    |    |    |                         |  | 29        |
| 30        |                  |          |          |                    |    |    |    |                         |  | 30        |



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CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.  
PROJECT: Geotechnical Investigation  
Final Depth: 22.3 m

# DRILL HOLE # BGC03-33

Page 1 of 3

Date Drilled: Sept. 24, 2003

Contractor & Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell - D/S Crest of Dike

Elevation: 387.5 m

Co-ord: 13454.5N, 17447.0E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Thermister Installed, Tag #10-1

| Depth (m) | SOIL DESCRIPTION     | Core Run | Recovery | Moisture Content %<br>Wp  -----X-----  Wl<br>10 20 30 40 | Installation / Backfill |  | Depth (m) |
|-----------|----------------------|----------|----------|----------------------------------------------------------|-------------------------|--|-----------|
|           |                      |          |          |                                                          |                         |  |           |
| 0         | Ground Surface 387.5 |          |          |                                                          |                         |  | 0         |
|           | SHALE (FILL) 0.0     |          |          |                                                          |                         |  |           |
|           | Top lift of dike     |          |          |                                                          |                         |  |           |
| 1         |                      |          |          |                                                          |                         |  | 1         |
| 2         |                      |          |          |                                                          |                         |  | 2         |
| 3         |                      |          |          |                                                          |                         |  | 3         |
| 4         |                      |          |          |                                                          |                         |  | 4         |
| 5         |                      |          |          |                                                          |                         |  | 5         |
|           | 382.9                |          |          |                                                          |                         |  |           |
|           | TAILINGS 4.6         |          |          |                                                          |                         |  |           |
|           | Frozen               |          |          |                                                          |                         |  |           |
| 6         |                      |          |          |                                                          |                         |  | 6         |
| 7         |                      |          |          |                                                          |                         |  | 7         |
| 8         |                      |          |          |                                                          |                         |  | 8         |
| 9         |                      |          |          |                                                          |                         |  | 9         |
| 10        |                      |          |          |                                                          |                         |  | 10        |

Stick-up 0.70 m

Backfilled with slough



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PROJECT: Geotechnical Investigation

Final Depth: 22.9 m

# DRILL HOLE # BGC03-33

Page 2 of 3

Date Drilled: Sept. 24, 2003

Contractor & Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell - D/S Crest of Dike

Elevation: 387.5 m

Co-ord: 13454.5N, 17447.0E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Thermister Installed, Tag #10-1

| Depth (m) | SOIL DESCRIPTION   | Core Run | Recovery | Moisture Content %<br>Wp  -----X-----  Wl<br>10 20 30 40 | Installation / Backfill |                   | Depth (m) |
|-----------|--------------------|----------|----------|----------------------------------------------------------|-------------------------|-------------------|-----------|
|           |                    |          |          |                                                          |                         |                   |           |
| 11        |                    |          |          |                                                          |                         |                   | 11        |
| 12        |                    |          |          |                                                          |                         |                   | 12        |
| 13        |                    |          |          |                                                          |                         |                   | 13        |
| 14        |                    |          |          |                                                          |                         | T/M node @ 13.8 m | 14        |
| 15        |                    |          |          |                                                          |                         | T/M node @ 14.8 m | 15        |
| 16        |                    |          |          |                                                          |                         | T/M node @ 15.8 m | 16        |
| 17        |                    |          |          |                                                          |                         | T/M node @ 16.8 m | 17        |
| 18        |                    |          |          |                                                          |                         | T/M node @ 17.8 m | 18        |
| 19        |                    |          |          |                                                          |                         | T/M node @ 18.8 m | 19        |
| 20        |                    |          |          |                                                          |                         | T/M node @ 19.8 m | 20        |
|           | TAILINGS<br>Thawed | 369.2    | 18.3     |                                                          |                         |                   |           |



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PROJECT: Geotechnical Investigation

Final Depth: 22.9 m



# DRILL HOLE # BGC03-34

Page 1 of 2

Date Drilled: Sept. 24, 2003

Contractor & Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell - D/S Crest of Dike

Elevation: 387.5 m

Co-ord: 13454.5N, 17447.0E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J.Cassie

Notes: Thermister Installed, Tag #10-2

| Depth (m) | SOIL DESCRIPTION |       | Core Run | Recovery | Moisture Content %<br>Wp  -----X-----  Wl<br>10 20 30 40 | Installation / Backfill |                        | Depth (m) |
|-----------|------------------|-------|----------|----------|----------------------------------------------------------|-------------------------|------------------------|-----------|
|           |                  |       |          |          |                                                          |                         |                        |           |
| 0         | Ground Surface   | 387.5 |          |          |                                                          |                         |                        | 0         |
|           | SHALE (FILL)     | 0.0   |          |          |                                                          |                         |                        |           |
| 1         |                  |       |          |          |                                                          |                         | Stick-up 0.5 m         | 1         |
| 2         |                  |       |          |          |                                                          |                         | Backfilled with slough | 2         |
| 3         |                  |       |          |          |                                                          |                         | T/M node @ 2.8 m       | 3         |
| 4         |                  |       |          |          |                                                          |                         | T/M node @ 3.8 m       | 4         |
| 5         |                  | 382.3 |          |          |                                                          |                         | T/M node @ 4.8 m       | 5         |
|           | TAILINGS         | 5.2   |          |          |                                                          |                         |                        |           |
|           | Frozen           |       |          |          |                                                          |                         |                        |           |
| 6         |                  |       |          |          |                                                          |                         | T/M node @ 5.8 m       | 6         |
| 7         |                  |       |          |          |                                                          |                         | T/M node @ 6.8 m       | 7         |
| 8         |                  |       |          |          |                                                          |                         | T/M node @ 7.8 m       | 8         |
| 9         |                  |       |          |          |                                                          |                         | T/M node @ 8.8 m       | 9         |
| 10        |                  |       |          |          |                                                          |                         | T/M node @ 9.8 m       | 10        |



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CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.

PROJECT: Geotechnical Investigation

Final Depth: 13.7 m

**DRILL HOLE # BGC03-34****Date Drilled:** Sept. 24, 2003**Contractor & Rig:** Mine's Diamond Drill**Drill Method:** BQ Chilled Brine Coring**Hammer Type:** N/A**Location:** Surface Cell - D/S Crest of Dike**Elevation:** 387.5 m**Co-ord:** 13454.5N, 17447.0E (Mine Grid)**Logged by:** M. Markle (NML)**Project No.** 0255-008-03**Reviewed by:** J.Cassie**Notes:** Thermister Installed, Tag #10-2

| Depth (m) | SOIL DESCRIPTION | Core Run | Recovery | Moisture Content % |    |    |    | Installation / Backfill |  | Depth (m)                |    |
|-----------|------------------|----------|----------|--------------------|----|----|----|-------------------------|--|--------------------------|----|
|           |                  |          |          | Wp                 | X  |    | Wi |                         |  |                          |    |
|           |                  |          |          | 10                 | 20 | 30 | 40 |                         |  |                          |    |
| 11        |                  |          |          |                    |    |    |    |                         |  | T/M node @ 10.8 m        | 11 |
| 12        |                  |          |          |                    |    |    |    |                         |  | T/M node @ 11.8 m        | 12 |
| 13        |                  |          |          |                    |    |    |    |                         |  | @ 11.8 m end of PVC pipe | 13 |
| 14        | End of Borehole  | 373.8    | 13.7     |                    |    |    |    |                         |  |                          | 14 |
| 15        |                  |          |          |                    |    |    |    |                         |  |                          | 15 |
| 16        |                  |          |          |                    |    |    |    |                         |  |                          | 16 |
| 17        |                  |          |          |                    |    |    |    |                         |  |                          | 17 |
| 18        |                  |          |          |                    |    |    |    |                         |  |                          | 18 |
| 19        |                  |          |          |                    |    |    |    |                         |  |                          | 19 |
| 20        |                  |          |          |                    |    |    |    |                         |  |                          | 20 |

373.8

13.7

T/M node @ 10.8 m

T/M node @ 11.8 m

@ 11.8 m end of PVC pipe


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PROJECT: Geotechnical Investigation

Final Depth: 13.7 m

# DRILL HOLE # BGC03-35

Page 1 of 2

Date Drilled: Sept. 26, 2003

Contractor & Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell

Elevation: 386.8 m

Co-ord: 13434.9N, 17264.9E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Vibrating Wire Piezometer Installed

| Depth (m) | SOIL DESCRIPTION | Core Run | Recovery | Moisture Content %<br>Wp  -----X-----  Wl<br>10 20 30 40 | Installation / Backfill |  | Depth (m) |
|-----------|------------------|----------|----------|----------------------------------------------------------|-------------------------|--|-----------|
|           |                  |          |          |                                                          |                         |  |           |
| 0         | Ground Surface   | 386.8    |          |                                                          |                         |  | 0         |
|           | SHALE (FILL)     | 386.5    |          |                                                          |                         |  |           |
|           | TAILINGS         | 0.3      |          |                                                          |                         |  |           |
|           | Frozen           |          |          |                                                          |                         |  |           |
| 1         |                  |          |          |                                                          |                         |  | 1         |
| 2         |                  |          |          |                                                          |                         |  | 2         |
| 3         |                  |          |          |                                                          |                         |  | 3         |
| 4         |                  |          |          |                                                          |                         |  | 4         |
| 5         |                  | 382.2    |          |                                                          |                         |  | 5         |
|           | TAILINGS         | 4.6      |          |                                                          |                         |  |           |
|           | Thawed           |          |          |                                                          |                         |  |           |
| 6         |                  |          |          |                                                          |                         |  | 6         |
| 7         |                  |          |          |                                                          |                         |  | 7         |
| 8         |                  |          |          |                                                          |                         |  | 8         |
| 9         |                  |          |          |                                                          |                         |  | 9         |
| 10        |                  |          |          |                                                          |                         |  | 10        |



**BGC ENGINEERING INC.**  
AN APPLIED EARTH SCIENCES COMPANY

Calgary, AB

Phone (403) 250-5185

CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.

PROJECT: Geotechnical Investigation

Final Depth: 14.6 m



# DRILL HOLE # BGC03-36

Page 1 of 2

Date Drilled: Sept. 26, 2003

Contractor & Rig: Mine's Diamond Drill

Drill Method: BQ Chilled Brine Coring

Hammer Type: N/A

Location: Surface Cell

Elevation: 386.8 m

Co-ord: 13434.9N, 17264.9E (Mine Grid)

Logged by: M. Markle (NML)

Project No. 0255-008-03

Reviewed by: J. Cassie

Notes: Thermocouple Installed

| Depth (m) | SOIL DESCRIPTION | Core Run | Recovery | Moisture Content % |   |    |  | Installation / Backfill |  | Depth (m) |
|-----------|------------------|----------|----------|--------------------|---|----|--|-------------------------|--|-----------|
|           |                  |          |          | Wp                 | X | WI |  |                         |  |           |
| 0         | Ground Surface   | 386.8    |          |                    |   |    |  |                         |  | 0         |
| 0         | SHALE (FILL)     | 386.5    |          |                    |   |    |  |                         |  | 0         |
| 0.3       | TAILINGS Frozen  |          |          |                    |   |    |  |                         |  | 0.3       |
| 1         |                  |          |          |                    |   |    |  |                         |  | 1         |
| 2         |                  |          |          |                    |   |    |  |                         |  | 2         |
| 3         |                  |          |          |                    |   |    |  |                         |  | 3         |
| 4         |                  |          |          |                    |   |    |  |                         |  | 4         |
| 5         |                  |          |          |                    |   |    |  |                         |  | 5         |
| 5         | TAILINGS Thawed  | 381.9    |          |                    |   |    |  |                         |  | 5         |
| 6         |                  | 4.9      |          |                    |   |    |  |                         |  | 6         |
| 7         |                  |          |          |                    |   |    |  |                         |  | 7         |
| 8         |                  |          |          |                    |   |    |  |                         |  | 8         |
| 9         |                  |          |          |                    |   |    |  |                         |  | 9         |
| 10        |                  |          |          |                    |   |    |  |                         |  | 10        |

Stick-up 0.53 m

T/C node @ 0.8 m

Backfilled with slough

T/C node @ 3.8 m

T/C node @ 6.3 m

T/C node @ 9.8 m



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Final Depth: 14.5 m