FACTUAL DATA REPORT. HYDROGEOLOGICAL SITE INVESTIGATION, TOUQUOY IN-PIT TAILINGS DISPOSAL

Appendix C 2021 INVESTIGATION RESULTS



C.1 SYMBOLS AND TERMS USED ON BOREHOLE AND TEST PIT RECORDS



SYMBOLS AND TERMS USED ON BOREHOLE AND TEST PIT RECORDS

SOIL DESCRIPTION

Terminology describing common soil genesis:

| Rootmat | vegetation, roots and moss with organic matter and topsoil typically forming a mattress at the ground surface |
|---------|---|
| Topsoil | - mixture of soil and humus capable of supporting vegetative growth |
| Peat | - mixture of visible and invisible fragments of decayed organic matter |
| Till | - unstratified glacial deposit which may range from clay to boulders |
| Fill | - material below the surface identified as placed by humans (excluding buried services) |

Terminology describing soil structure:

| Desiccated | - having visible signs of weathering by oxidization of clay minerals, shrinkage cracks, etc. |
|------------|--|
| Fissured | - having cracks, and hence a blocky structure |
| Varved | - composed of regular alternating layers of silt and clay |
| Stratified | - composed of alternating successions of different soil types, e.g. silt and sand |
| Layer | - > 75 mm in thickness |
| Seam | - 2 mm to 75 mm in thickness |
| Parting | - < 2 mm in thickness |

Terminology describing soil types:

The classification of soil types are made on the basis of grain size and plasticity in accordance with the Unified Soil Classification System (USCS) (ASTM D 2487 or D 2488) which excludes particles larger than 75 mm. For particles larger than 75 mm, and for defining percent clay fraction in hydrometer results, definitions proposed by Canadian Foundation Engineering Manual, 4th Edition are used. The USCS provides a group symbol (e.g. SM) and group name (e.g. silty sand) for identification.

Terminology describing cobbles, boulders, and non-matrix materials (organic matter or debris):

Terminology describing materials outside the USCS, (e.g. particles larger than 75 mm, visible organic matter, and construction debris) is based upon the proportion of these materials present:

| Trace, or occasional | Less than 10% | | |
|----------------------|---------------|--|--|
| Some | 10-20% | | |
| Frequent | > 20% | | |

Terminology describing compactness of cohesionless soils:

The standard terminology to describe cohesionless soils includes compactness (formerly "relative density"), as determined by the Standard Penetration Test (SPT) N-Value - also known as N-Index. The SPT N-Value is described further on page 3. A relationship between compactness condition and N-Value is shown in the following table.

| Compactness Condition | SPT N-Value |
|-----------------------|-------------|
| Very Loose | <4 |
| Loose | 4-10 |
| Compact | 10-30 |
| Dense | 30-50 |
| Very Dense | >50 |

Terminology describing consistency of cohesive soils:

The standard terminology to describe cohesive soils includes the consistency, which is based on undrained shear strength as measured by *in situ* vane tests, penetrometer tests, or unconfined compression tests. Consistency may be crudely estimated from SPT N-Value based on the correlation shown in the following table (Terzaghi and Peck, 1967). The correlation to SPT N-Value is used with caution as it is only very approximate.

| Consistency | Undrained Sh | Approximate | | |
|-------------|--------------|-------------|-------------|--|
| Consistency | kips/sq.ft. | kPa | SPT N-Value | |
| Very Soft | <0.25 | <12.5 | <2 | |
| Soft | 0.25 - 0.5 | 12.5 - 25 | 2-4 | |
| Firm | 0.5 - 1.0 | 25 - 50 | 4-8 | |
| Stiff | 1.0 - 2.0 | 50 – 100 | 8-15 | |
| Very Stiff | 2.0 - 4.0 | 100 - 200 | 15-30 | |
| Hard | >4.0 | >200 | >30 | |

🕥 Stantec

SYMBOLS AND TERMS USED ON BOREHOLE AND TEST PIT RECORDS - JULY 2014

ROCK DESCRIPTION

Except where specified below, terminology for describing rock is as defined by the International Society for Rock Mechanics (ISRM) 2007 publication "The Complete ISRM Suggested Methods for Rock Characterization, Testing and Monitoring: 1974-2006"

Terminology describing rock quality:

| RQD | Rock Mass Quality | | Alternate (Colloquic | al) Rock Mass Quality |
|--------|---|--|-------------------------|--------------------------|
| 0-25 | Very Poor Quality Poor Quality Fair Quality Good Quality | | Very Severely Fractured | Crushed |
| 25-50 | | | Severely Fractured | Shattered or Very Blocky |
| 50-75 | | | Fractured | Blocky |
| 75-90 | | | Moderately Jointed | Sound |
| 90-100 | Excellent Quality | | Intact | Very Sound |

RQD (Rock Quality Designation) denotes the percentage of intact and sound rock retrieved from a borehole of any orientation. All pieces of intact and sound rock core equal to or greater than 100 mm (4 in.) long are summed and divided by the total length of the core run. RQD is determined in accordance with ASTM D6032.

SCR (Solid Core Recovery) denotes the percentage of solid core (cylindrical) retrieved from a borehole of any orientation. All pieces of solid (cylindrical) core are summed and divided by the total length of the core run (It excludes all portions of core pieces that are not fully cylindrical as well as crushed or rubble zones).

Fracture Index (FI) is defined as the number of naturally occurring fractures within a given length of core. The Fracture Index is reported as a simple count of natural occurring fractures.

Terminology describing rock with respect to discontinuity and bedding spacing:

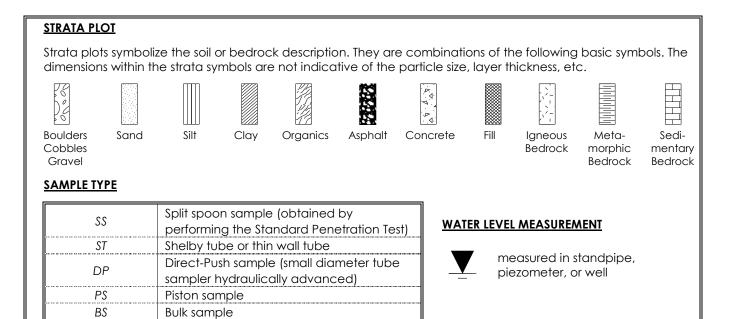
| Spacing (mm) | Discontinuities | Bedding |
|--------------|-----------------|------------------|
| >6000 | Extremely Wide | - |
| 2000-6000 | Very Wide | Very Thick |
| 600-2000 | Wide | Thick |
| 200-600 | Moderate | Medium |
| 60-200 | Close | Thin |
| 20-60 | Very Close | Very Thin |
| <20 | Extremely Close | Laminated |
| <6 | - | Thinly Laminated |

Terminology describing rock strength:

| Strength Classification | Grade | Unconfined Compressive Strength (MPa) |
|-------------------------|-------|---------------------------------------|
| Extremely Weak | RO | <1 |
| Very Weak | R1 | 1 – 5 |
| Weak | R2 | 5 – 25 |
| Medium Strong | R3 | 25 – 50 |
| Strong | R4 | 50 – 100 |
| Very Strong | R5 | 100 – 250 |
| Extremely Strong | R6 | >250 |

Terminology describing rock weathering:

| Term | Symbol | Description |
|---------------|--------|---|
| Fresh | W1 | No visible signs of rock weathering. Slight discoloration along major discontinuities |
| Slightly W2 | | Discoloration indicates weathering of rock on discontinuity surfaces. All the rock material may be discolored. |
| Moderately | W3 | Less than half the rock is decomposed and/or disintegrated into soil. |
| Highly | W4 | More than half the rock is decomposed and/or disintegrated into soil. |
| Completely | W5 | All the rock material is decomposed and/or disintegrated into soil. The original mass structure is still largely intact. |
| Residual Soil | W6 | All the rock converted to soil. Structure and fabric destroyed. |



RECOVERY

HQ, NQ, BQ, etc.

For soil samples, the recovery is recorded as the length of the soil sample recovered. For rock core, recovery is defined as the total cumulative length of all core recovered in the core barrel divided by the length drilled and is recorded as a percentage on a per run basis.

Rock core samples obtained with the use

of standard size diamond coring bits.

N-VALUE

Numbers in this column are the field results of the Standard Penetration Test: the number of blows of a 140 pound (63.5 kg) hammer falling 30 inches (760 mm), required to drive a 2 inch (50.8 mm) O.D. split spoon sampler one foot (300 mm) into the soil. In accordance with ASTM D1586, the N-Value equals the sum of the number of blows (N) required to drive the sampler over the interval of 6 to 18 in. (150 to 450 mm). However, when a 24 in. (610 mm) sampler is used, the number of blows (N) required to drive the sampler over the interval of 6 to 18 in. (150 to 450 mm). However, when a 24 in. (300 to 610 mm) may be reported if this value is lower. For split spoon samples where insufficient penetration was achieved and N-Values cannot be presented, the number of blows are reported over sampler penetration in millimetres (e.g. 50/75). Some design methods make use of N-values corrected for various factors such as overburden pressure, energy ratio, borehole diameter, etc. No corrections have been applied to the N-values presented on the log.

DYNAMIC CONE PENETRATION TEST (DCPT)

Dynamic cone penetration tests are performed using a standard 60 degree apex cone connected to 'A' size drill rods with the same standard fall height and weight as the Standard Penetration Test. The DCPT value is the number of blows of the hammer required to drive the cone one foot (300 mm) into the soil. The DCPT is used as a probe to assess soil variability.

OTHER TESTS

| S | Sieve analysis |
|----------|---|
| Н | Hydrometer analysis |
| k | Laboratory permeability |
| Y | Unit weight |
| Gs | Specific gravity of soil particles |
| CD | Consolidated drained triaxial |
| СU | Consolidated undrained triaxial with pore |
| <u> </u> | pressure measurements |
| UU | Unconsolidated undrained triaxial |
| DS | Direct Shear |
| С | Consolidation |
| Qu | Unconfined compression |
| | Point Load Index (Ip on Borehole Record equals |
| Ιp | I_p (50) in which the index is corrected to a |
| | reference diameter of 50 mm) |

| | Single packer permeability test; test interval from depth shown to bottom of borehole |
|---|---|
| | Double packer permeability test; test interval as indicated |
| Å | Falling head permeability test using casing |
| Ţ | Falling head permeability test using well point or piezometer |

inferred

FACTUAL DATA REPORT. HYDROGEOLOGICAL SITE INVESTIGATION, TOUQUOY IN-PIT TAILINGS DISPOSAL

C.2 BOREHOLE RECORDS (BH21-01 TO BH21-12)



| F | CLIEN ROJE | ROJECT Geotechnical Investigation - Touquoy In-Pit Disposal | | | | | | | PAGE _1 of _2 PROJECT No. 121619250.5500 METHOD Wash Bore DATUM Geodetic | | | | |
|------------------|---|---|--------------|-------------|----------|-----------------------|--------------------|-------------------------------|--|-------------------------------------|---|--|-------------------------|
| | DATES DRILLED (mm-dd-yy) 10-19-21 to 10-22-21 WATER LEVEL 3.67m 1-24-22 INCLIN. / A | | | | | | | | | | N. / AZ | | |
| ē | Ê | | | | | S | Fo YMBOLS AN | or abbreviation D TERMS US | NOTE: is, symbols ar ED ON BORE | : nd descriptions EHOLE AND T | s refer to EST PIT RE | CORDS | WELL |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| 0 | 111.27 | OVERBURDEN | | | | | 20 40 50 80 | | 80 | | 15 30 45 60 75 | 10 ⁻⁸ 10 ⁻⁷ 10 ⁻⁶ | |
| 1 2 3 4 | 107.57 | | 0 0 0 | 1 1 | | | | | | | | | |
| չ որություն | 105.49 | Fair to good quality, moderately to slightly weathered, medium grained, massive texture, light grey, GREYWACKE | | | | =BC= =BC= =BC= | 100 | | | 4 4 4 | 0 | | |
| 7 m | 104.98 104.54 | Fair quality, slightly weathered, fine grained, massive texture, dark grey, ARGILITE | | ור | | -BC- | | | | 6 | · · · · · · | | |
| 0 Indudududu | 104.00 | Fair to good quality, slightly weathered, medium grained, massive texture, light grey, GREYWACKE Good quality, fresh, fine grained, massive texture, dark grey, ARGILITE | | | 3 HQ | | 87. | 83 | 82 | :6 : | | 1.40x10 ⁻⁶ | |
| 1 1 2 | 100.73 | Good quality, slightly weathered to fresh, medium grained, massive texture, light grey, GREYWACKE | | | 4 | | | | | 2 | | | |
| 3 4 | 98.91 | Good quality, slightly weathered to fresh, fine grained, massive texture, dark grey, ARGILITE | | | 4 HQ | | 90 | 87 | 80 | .6. | 0 | | |
| 5 6 | | Fair to excellent quality, fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, GREYWACKE with thin to very thin intermitent lenses of ARGILITE | | | 5 HQ | | 96 | .90: | .84 | .3 | o | | |
| 7 8 9 0 | | | | | 6 HQ | | 100 | 93. | | .6 .7 .5 | | 2.90x10 ⁻⁸ | |
| <u></u> | | | | | 7 HQ | | 99 | 97 | .94 | 3 | ō. | | |
| لسلسلسلسلس | | | | | 8 HQ | | 100 | 95 | 93 | 3 | Ō | | |
| بأسلسلسلسلين | 86.35 | | | | 9 HQ | | 97: | .80; | 62 | | 0 | 4.70x10 ^{.8} | |
| Judnuhudunhundun | | Fair to good quality, fresh, medium grained, massive texture, light grey, GREYWACKE | PPP | - | 10 HQ | | 93: | . 85: | .70 | .5 .8 .9 | 0 | | |
| huhuhuhuhu | | - interpreted possible fault/shear zone from 33.0 m to 33.7 m. | | | 11 HQ | | 96: | .73. | 58 | .8 10 5 | Ó | 5.00x10 ⁻⁹ | |
| ; - | Logged By: Reviewed By: UG11_NEW.GLB (C) STANTEC BEDROCK LOG 7 3/9/22 6:33:34 PM | | | | | | | | | | | | |

| CLIEN PROJE | CCT Geotechnical Investigation - Touque | | | | sposal | | | H21- | 01 | METHO | PAGE <u>2</u> of <u>2</u> CT No. <u>121619250.5500</u> Wash Bore |
|----------------|---|-------------|----------------------------------|---|---|---|---|---------------------------------------|--|--|--|
| LOCAT | TION <u>Middle Musquodobit, NS</u> S DRILLED (mm-dd-yy) <u>10-19-21 to 1</u> | 0-22 | 2-21 | _ | | ATION: _ R LEVEL | | <u>.272 m</u> 7m 1-2 | 24-22 | DATUN INCLIN | M Geodetic |
| | | | | | F SYMBOLS AN | or abbreviation | NOTE: ns, symbols an ED ON BORE | nd descriptions EHOLE AND T | refer to EST PIT RE | CORDS | WELL |
| ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL RUN NO. | | RECO TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| | Fair to good quality, fresh, medium grained, massive texture, light grey, GREYWACKE (continued) Good to excellent quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, GREYWACKE with thin to very thin intermitent lenses of ARGILITE End of Borehole | | 13 HC 14 HC 15 HC | | 8 8 8 8 83 83 83 83 83 83 99 99 98 99 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 900 90 90 90 <td< td=""><td>B B S</td><td>B R 74 74 74 74 74 74 75 75 77 77 77 77 77 77 85 77 91 91 91 91 85 86 86 86 86 86 80 80</td><td>• • • • • • • • • • • • • • • • • • •</td><td>0 0 0 0 0 0 0 0 0 0 0 0</td><td>*<u>e</u> ⁵<u>e</u> ⁶<u>e</u> ⁶<u>e</u> 5.00x10° 4.10x10° 4.10x10° 2.50x10°</td><td></td></td<> | B B S | B R 74 74 74 74 74 74 75 75 77 77 77 77 77 77 85 77 91 91 91 91 85 86 86 86 86 86 80 80 | • • • • • • • • • • • • • • • • • • • | 0 0 0 0 0 0 0 0 0 0 0 0 | * <u>e</u> ⁵ <u>e</u> ⁶ <u>e</u> ⁶ <u>e</u> 5.00x10° 4.10x10° 4.10x10° 2.50x10° | |
| | | | | | | | | | | | |
| | | | | | | | | | | | Logged By: Reviewed By: |

| ROJE | Atlantic Mining NS Inc. Geotechnical Investigation - Tou Middle Musquodobit, NS | iquoy | In-] | Pit | | oosal ELEVA | TION: | | .36 m | | METHO | CT No. 121619250.5500 DD Wash Bore 1 Geodetic |
|---------------|--|-------------|-------------|----------|----------------------------------|----------------------------|--------------------|--|---|---|--|---|
| | S DRILLED (mm-dd-yy) 10-24-21 to | 10-3 | 0-21 | 1 | - | WATEF | R LEVEL | 11.0 | 67m 1-2 | | INCLIN. | . / AZ |
| (L | | | | | S | Fo MBOLS AN | or abbreviation | NOTE: ns, symbols ar SED ON BORE | nd descriptions EHOLE AND T | EST PIT REC | CORDS | WELL |
| ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | RECC TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| 09.36 | OVERBURDEN | | | | BR(| 8888 | | | 5 | | 0 ⁻² | |
| | | ° 0 0 | | | | | | | | | | |
| 04.48 | | - <u> </u> | : | _ | BC | · · · · · | | | | | | |
| | Poor quality, slightly weathered, fine grained, foliated texture, light grey, GREYWACKE | | | 1 HQ | BC BC | 68: | 34 | .26 | 4 | • | | |
| | | | | | BC BC BC | 70 | 56 | 40 | 5 | o | | |
| | | | Ţ | 3 HQ | =BC= =BC= =BC= | 84 | 67 | 57 | .9 .8 .13 | 0 | 5.60x10 ⁻⁸ | |
| | | | 1 1 | 4 HQ | | 93: | 59. | 37 | 6 · · · · · · · · · · · · · · · · · · · | Q | | |
| | interpreted possible fault/shear zone from 16.8 m to 21.4 m. at 17.0 m (0.05 m thick quartz vein noted). at 17.1 m (0.05 m thick quartz vein noted). | | | 5 HO | BC BC BC BC BC BC | 80: | 46. | 26 | 10 ⁻ 12: | 0 | | |
| 91.07 | Poor to good quality, slightly weathered to fresh, medium grained, massive texture, light grey, GREYWACKE | | | 6 HQ | -BC- | 92 | 66 | 50 | 6 9 4 | 0 | 4.30x10 [®] | |
| | - at 23.2 m (0.25 m thick quartz vein noted). | | | 7 HQ | -BC- | 95 | .88 | 79 | .5 .2 10 | 0 | | |
| | | | | 8 HQ | | 92 | 56: | 42 | 6 11 | O | | |
| | - at 28.3 m (0.05 m thick quartz vein noted). | | | 9 HQ | | 99: | | .72 | 8 | α | 3.90x10 ⁸ | |
| | | | | 10 HQ | ≡BC≡ | 96 | | | 4 | 0 | 2.30x10 [%] | |

| | CLIEN PROJE | CT Geotechnical Investigation - Touqu | | | | | posal | | | H21-(.36 m | | METHOD | PAGE <u>2</u> of <u>2</u> No. <u>121619250.5500</u> Wash Bore Conductio |
|--|----------------|---|-------------|-------------|----------------------|-----------------------|----------------------------|--|---|------------------------------|---|---|--|
| | LOCAT | | 0-30 | 0-21 | l | - | ELEVA WATEF | TION: _ R LEVEL | | .36 m 67m 1-2 | 24-22 | DATUM . INCLIN. / | Geodetic AZ60 / 170 |
| | (L | | | | | S | Fc YMBOLS AN | r abbreviation | NOTE: s, symbols an ED ON BORE | nd descriptions | refer to | | |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | RECC TOTAL CORE % | | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | WELL CONSTRUCTION DETAILS |
| -35 -36 -37- | 76.96 | Poor to good quality, slightly weathered to fresh, medium grained, massive texture, light grey, GREYWACKE (continued) | | I | 11 HQ | BC | 8 8 9 9 8 100 : | 884 844 844 844 844 844 844 844 | <u>©</u> © Q | | 45 75 75 | 10 ⁶ 10 ⁷ 10 ⁶ | |
| -38 -39 -40 | | Poor to good quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, GREYWACKE with medium to very thin intermitent lenses of ARGILITE | | | 12 HQ | | 97. | | | 2 | | 2.30x10*8 | |
| -41 -42 -43 -43 -44 | | - interpreted possible fault/shear zone or quartz vein with localized shearing from 42.9 m to 44.0 m. | | | 13 HQ | -BC- -BC- | 79 | 63 | 50 | 2 12: 8 | 0 | | |
| -45 -46 -47 -47 -48 | | - at 46.5 m (0.1 m thick quartz vein noted). | | | 14 HQ 15 HQ | =BC= BC | 91: | | 60 | | 0 | 9.00x10 ⁸ | |
| 49 50 51 51 | 66.40 | Very poor to good quality, slightly weathered to fresh, medium grained, massive texture, light grey, GREYWACKE | | I | | BC BC | 91 | | .73 | 11: 9: 10: | 0 | | |
| | | | | | 17 HQ | =BC= | 90 | 70 | 57 | 10: 5 7 | Ö. | | |
| -56 -57 -58 -58 -59 | | | | | 18 HQ | BC= BC= BC | 70 | 46: | 25 | 10: 6 8 9 | | 4.80x10 ⁸ | |
| 60 61 61 62 | 56.00 | End of Borehole | | | 19 HQ | BC | 97: | | :83 | 3 | 0 | | |
| -63 -64 -65 | | | | | | | | | | | | | |
| -66 -67 -68 -68 -69 -70 | | | | | | | | | | | | | |
| -70 | | | | | | | | | | | | | Logged By: Reviewed By: |

| | TION Middle Musquodobit, NS | | | it Dis | ELEVA | TION: _ | | .234 m | | METHC DATUM | CT No. 121619250.5500 DD Wash Bore 1 Geodetic |
|---------------|---|--------------|---------------|-----------------------|---|--|------------------------------|--|--|---|---|
| ATE | S DRILLED (mm-dd-yy) 11-6-21 to 1 | 1-1: | 5-21 | _ | | R LEVEL | | 9m 1-2 | | | . / AZ90 / N/A |
| (L) Z | | 1 | 1 | | FO SYMBOLS AN | or abbreviatio | ns, symbols a SED ON BORI | nd descriptions EHOLE AND 1 | s refer to EST PIT RE | CORDS | WELL |
| ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| 13.23 | OVERBURDEN |)) () | | | 2000 2000 2000 2000 2000 2000 2000 200 | 80 80 80 80 80 80 80 80 80 80 | 80 | 5 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 10 10 10 10 10 10 10 10 10 10 | $\begin{smallmatrix} & & & & \\ & & & & \\ & & & & \\ & & & & $ | |
| 10.44 | Poor quality, slightly weathered, fine to medium grained, massive to foliated texture, light grey to dark grey, GREYWACKE with medium to very thin intermitent lenses of ARGILITE | | 1 H0 | | 95: | | .69 | 5 8 2 8 8 | ¢ | | Packer Testing Not Completed from 3.0 m to 17 |
| 06.87 | Possible UNDERGROUND OPENING. | | HI 3 HI | - | | | | | | | m Depth. |
| 05.17 | Excellent quality, slightly weathered, medium grained, massive texture, light grey, GREYWACKE | | 4 H | 5 | 93: | 93: | 93 | · · · · · · · · · · · · · · · · · · · | o | | |
| 02.17 | Fair to excellent quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, GREYWACKE with medium to very thin intermitent lenses of ARGILITE | | 5 H | 5 | 95: | 95: | | .1 .2 .0 | p | | |
| | | | 6 H | 5 | 100 | 96 | .95 | · · · · · · · · · · · · · · · · · · · | Ó | | |
| | | | | 2 | 99 | - 99: | -99 | 2 2 2 2 2 | Ō | | |
| | | | 8 H | | 97: | 94: | .93 | | 0 | 1.10x10 ⁻⁷ | |
| | - at 26.0 m (0.05 m thick quartz vein noted). | | 9 H | -BC- -BC- | 95: | .76. | .66 | | 0 | | |
| | | | 10 H |) | 91 | -80 | .73 | : :4 : : :6 : : :5 : : | ¢ | | |
| 81.17 | Door to good quality freeh, fine to medium animal failing 1 | | 1 H0 | | 95 | 88 | 84 | :2: :5: :3: | o | 4.60x10 ^{.8} | |
| | Poor to good quality, fresh, fine to medium grained, foliated texture, light grey to dark grey, interbedded GREYWACKE and ARGILITE | | 1: H | PBC- | 82 | 63 | 47 | 15 14 .5 | 0 | | |

| | CLIEN | | | | | | | RD | В | H21- | 03 | PROJECT | PAGE <u>2</u> of <u>4</u> No. <u>121619250.5500</u> Wash Bore |
|---------------------------------|---------------|---|-------------|-------------|----------------------|-----------------------|----------------------------|------------------------------|--|------------------------------|---|--|---|
| I | LOCA | TION Middle Musquodobit, NS | | | | - | ELEVA | | o = o | .234 m | | DATUM . | Geodetic |
|] | DATE | S DRILLED (mm-dd-yy) 11-6-21 to | 11-15 | 5-2 | | - | | R LEVEL | | | 24-22 | | AZ / N/A |
| (L | (m) M | | <u>-</u> | | | S | Fo YMBOLS AN | r abbreviatior D TERMS US | NOTE: is, symbols and ED ON BORE | d descriptions HOLE AND T | Frefer to EST PIT RE | CORDS | WELL |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | RECC TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| -35 -36 -37 -37 -38 | | Poor to good quality, fresh, fine to medium grained, foliated texture, light grey to dark grey, interbedded GREYWACKE and ARGILITE (continued) | | | 13 HQ | | 95. | 980 | | © ♀ ♀ & | 15 30 46 46 60 77 | | |
| -39 -40 -41 | | | | | 14 HQ | | 95: | 82 | .70 | .5 | 0 | 2.00x10 ⁻⁸ | |
| 42 | 69.18 | Good to excellent quality, fresh, medium grained, massive to | | | 15 HQ | | 96: | | :85 | 2 | Q | | |
| 45 46 47 47 48 | | foliated texture, light grey to dark grey, GREYWACKE with medium to very thin intermitent lenses of ARGILITE - at 45.6 m (0.20 m thick quartz vein noted). | | | 16 HQ 17 HQ | -BC- | 99 | 88 | .79 | | D | 2.70x10 ^{.9} | |
| -49 -50 -51 -52 | | - at 49.2 m (0.05 m thick quartz vein noted). - at 49.4 m (0.05 m thick quartz vein noted). | | | 18 HQ | | 999: | | | | 0 | | |
| -53 -54 -55 -55 -56 | | | | | 19 HQ | | 99: | 99. | | 0 | • | | |
| -57 -58 -59 | 54.18 | - at 57.3 m (0.05 m thick quartz vein noted). | | | 20 HQ | | 97 | .90 | .85 | 3 | D | 7.60x10 ⁻⁹ | |
| -60 -61 -62 | | Good quality, slightly weathered to fresh, fine to medium grained, foliated texture, light grey to dark grey, interbedded GREYWACKE and ARGILITE | | | 21 HQ | =BC= | 100 | 91 | -84 | 10 ⁻ 2 | Ó | | |
| 63 64 | 48.18 | - at 62.2 m (0.05 m thick quartz vein noted). | | | 22 HQ | | 94: | .85 | :82 | 5 0 3 | 0 | | |
| | | Fair to excellent quality, fresh, medium grained, massive to foliated texture, light grey to dark grey, GREYWACKE with medium to very thin intermitent lenses of ARGILITE - at 65.2 m (0.1 m thick quartz vein noted). - at 65.2 m (0.1 m thick quartz vein noted). | | | 23 HQ | | 97. | | .73 | | • • | 4.70x10 ^{.9} | |
| -68 -69 -70 | | | | | 24 HQ | | 100 | 100 | 100 | 2 | 0 | | |
| | | | | | | | | | | | | | Logged By: Reviewed By: |

| | CLIEN | ~ | | | | | RD | B | H21- | 03 | PROJEC | PAGE <u>3</u> of <u>4</u> T No. <u>121619250.5500</u> D <u>Wash Bore</u> |
|-----------|---------------|--|-----------------------------------|-------------|-----------------------|-----------------|----------------------|---------------------------------------|---|---|---------------------------------------|--|
| | ROJE OCA | TION Middle Musquodobit, NS | | | <u> </u> | ELEVA | TION: | | .234 m | | DATUM | Geodetic |
| | | S DRILLED (mm-dd-yy) 11-6-21 to | 11-15 | 5-21 | | WATE | R LEVEL | 8.5 | 9m 1-1 | 24-22 | INCLIN. | / AZ N/A |
| | Ê | | | | | F SYMBOLS AN | or abbreviation | NOTE: ns, symbols ar ED ON BORE | nd description | s refer to FEST PIT RE | CORDS | WELL |
| DEPTH (m) | TION (| LITHOLOGICAL DESCRIPTION | РГОТ | | į u | RECO | OVERY | | щ | È " | د≽ | CONSTRUCTION DETAILS |
| DEP. | ELEVATION (m) | | STRATA PLOT | WATER LEVEL | LOST / BROKEN CORF | TOTAL | SOLID | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC ONDUCTIVITY k, m/sec. | 02.7.120 |
| | | | SI | Ň | LO | CORE % | CORE % | | 7=8 | DISCO | COND K, | |
| -70 | | Fair to excellent quality, fresh, medium grained, massive to | - | | | 8 8 9 8 | | 80 60 20 | 20 10 10 15 | | 10 ⁻⁶ | = |
| -71 | | foliated texture, light grey to dark grey, GREYWACKE with medium to very thin intermitent lenses of ARGILITE | | 2 H | ¢ | : 100 : | 100 | 100 | : 0: : | · · · · · · | 4.70x10 ⁻⁹ | |
| -72 - | | (continued) | Ē | | | | | | 0 | | | |
| -73 | | | | 2 H | Q | . 99: . | : 94: : : : : : : | : :93 | :0::: | 0 | | |
| -74- | | | | _ | | | | | 3 | · · · · · · | | |
| -75- | | | | 2 | 5 | | | | | | | |
| -76- | | | | 2 H | - | 95: | 92 | | | 0 | 5.00x10 ⁻⁹ | |
| -77 - | | | | | BC BC | | | | | · · · · · · | | |
| -78- | | - at 77.5 m (0.05 m thick quartz vein noted). | | 2 | 7 | | | | 2 | | | |
| -79- | | | 臣 | 2 H | Q I | 99 | 93 | 92 | $ \begin{array}{c} \vdots \\ \vdots \\$ | 0 | | |
| -80 | | | | - | | | | | 0 | | | |
| -81 | | | | 2 | 2 | | | | | | | |
| -82- | | | 臣 | 2 H | Ž | 97 | 97 | 97 | : :0 : : | 0 | | |
| -83 | 30.18 | Excellent quality, slightly weathered to fresh, fine to medium | | | | | | | : :0: : | | | |
| -84- | | grained, foliated texture, light grey to dark grey, interbedded | $\left(\left(1 \right) \right)$ | 2 | | | | | 0 | | | |
| -85- | | GREYWACKE and ARGILITE - at 83.9 m (0.1 m thick quartz vein noted). | | 2' H | Ý | 98: | .95: | .95 | | o | 1.50x10 ⁻⁹ | |
| -86 | 27.18 | Good to excellent quality, slightly weathered to fresh, medium | | | | | | | 4 | · · · · · · | | |
| -87- | | grained, massive to foliated texture, light grey to dark grey, | | 2 | | | | | | | | |
| -88- | | GREYWACKE with medium to very thin intermitent lenses of ARGILITE | | 3 H | Ŷ | 97: | | | 2 | 0 | | |
| -89- | | - at 88.4 m (0.05 m thick quartz vein noted). | Ħ | | | | | | 1 | · · · · · · | | = |
| -90- | | | | | | | | | :0:: | | | |
| _91_ | | | 臣 | 3 H | ģ | 99 | 92 | 90 | 6 | | | |
| -92- | | | 臣 | | | | | | : :3: : | · · · · · · | | |
| -93- | | | | 2 | , | | | | : 0: : | | | |
| -94- | | | 臣 | 3 H | Q | 98 | 97 | 97 | $\begin{array}{c} \vdots \end{array} $ | • • • | 4.60x10 ⁻⁹ | |
| -95- | | | | | | | | | | · · · · · · | | |
| -96- | | | 臣 | 2 | 2 | | | | 0 | | | |
| -97- | 15.74 | - at 96.8 m (0.6 m thick quartz vein noted). | | 3 H | ģ | 92: : | : :88: : | : :87: : | .0 | • | | |
| -98- | 10.71 | Fair to excellent quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark | | | | | | | 6 | <u> </u> | | |
| 99 | | grey, GREYWACKE with medium to very thin intermitent lenses | | | | | | | | | | |
| -100- | | of ARGILITE | | 3- H | ¢. | 99: | . 96. | .96 | :0::: | 0. | | |
| | | | | | | | | | 3 | | | |
| | | - at 101.8 m (0.2 m thick quartz vein noted). | Ē | | - | | | | .0 | | 1.50x10 ⁻⁹ | |
| -103- | | | 臣 | 3. H | ç | 100 | 100 | 100 | 1 | Ó | | |
| | | | Ē | | _ | | | | 0 | · · · · · · | | |
| -105 | | | | 3 H | Ϋ́ς | 100 | .98 | .98 | :0: | | | |
| | | | | | | | | | | | | Logged By: |
| | | | | | | | | | | | | Reviewed By: |

| | CLIEN PROJE | Geotechnical Investigation - Touqu TION Middle Musquodobit, NS | 10y | In-F | Pit | | posal ELEVA | TION: _ | 113 | H21- .234 m | | . METHOE DATUM | PAGE <u>4</u> of <u>4</u> No. <u>121619250.5500</u> Wash Bore Geodetic |
|--------------------|----------------|---|--------------|-------------|----------|-----------------------|-----------------------|--------------------|------------------------------|------------------------------|--|--|---|
| | DATE | S DRILLED (mm-dd-yy) 11-6-21 to 1 | <u>1-1</u> : | 5-21 | | | | R LEVEL | NOTE: | | | INCLIN. / | / AZ90 / N/A |
| (E | (m) N0 | | 5 | Ē | | | YMBOLS AN | D TERMS US | ns, symbols ar ED ON BORE | HOLE AND T | EST PIT RE | | WELL CONSTRUCTION |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | 0 ^{0⁴ b⁰⁷ HYDRAULIC b⁰⁶ CONDUCTIVITY b⁰⁶ k, m/sec.} | DETAILS |
| -105 -106- | | Fair to excellent quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, GREYWACKE with medium to very thin intermitent lenses | | Ë | 36 1Q | | 88998 | | | 0 2 2 2 0 | 012 012 012 012 012 012 012 012 012 012 | 1.50x10 ⁻⁹ | |
| -107- | | of ARGILITE <i>(continued)</i> - at 106.9 m (0.05 m thick quartz vein noted). - at 106.9 m (0.06 m thick quartz vein noted). | | | 37 1Q | | 100 | | | | | | |
| -109 | | | | | 4Q | | | | | 3 | 0 | | |
| -111- -112- | | - at 111.6 m (0.16 m thick quartz vein noted). | | | 38 1Q | | 88 | 777 | 74 | | 0 | | |
| -113- | | | | | 39 1Q | -BC- | 95 | 71 | 62 | 10 | | 2.80x10 ⁻⁹ | |
| -115- | | | | | 4Q | | | | | 6 | 0 | | |
| -117- | | | | H H | 40 1Q | | 100 | 96: | .96 | .5. | .O. | | |
| -119- -120- | -6.91 | | | 4 E | 41 1Q | | 95 | .95 | 95 | 3 | | | |
| -121 -122- | | End of Borehole | | | | | | | | | | | |
| 123- 124- | | | | | | | | | | | | | |
| 125 126 | | | | | | | | | | | | | |
| -127- -128- | | | | | | | | | | | | | |
| 129 | | | | | | | | | | | | | |
| -131 | | | | | | | | | | | | | |
| 133 | | | | | | | | | | | | | |
| -135- -136- | | | | | | | | | | | | | |
| 137 138 139 | | | | | | | | | | | | | |
| 140 | | | | | | | | | | <u></u> | | | Logged By: Reviewed By: |

| (| | Stantec DRILL | | | | | | RD | В | H21- | 04 | PROJEO | PAGE <u>1</u> of <u>2</u> CT No. <u>121619250.5500</u> |
|-----------------------------|---------------|--|---------------|-------------|----------|-----------------------|------------------|--------------------------------------|---------------------------------------|------------------------------|---|--|--|
|]] | PROJE | CT <u>Geotechnical Investigation - Touqu</u> TION <u>Middle Musquodobit, NS</u> | uoy 1 0-6- | | Pit | Dis | ELEVA | TION: _ | 104 0.11 | <u>.966 m</u> m 1-2 | 24-22 | METHO DATUN | Wash Bore A Geodetic I. / AZ. -60 / 40 |
| | | | | | | s | Fo SYMBOLS AN | or abbreviatior | NOTE: Is, symbols ar ED ON BORE | nd descriptions | refer to | | |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | WELL CONSTRUCTION DETAILS |
| -0 | 104.97 | OVERBURDEN | 0 | Ţ | | ۵ | 8 8 9 9 8 | · · · · 80 · · · · 80 · · · 20 | | 5 10 15 | 15 15 15 15 15 15 | 10 ⁻⁸ 10 ⁻⁷ 10 ⁻⁶ | = |
| -1 -2 -3 | 102.10 | | 0000 | | | DC | | | | | | | |
| -4 | | Very poor to good quality, slightly weathered to fresh, fine grained, massive texture, medium strong to strong, occasionally laminated to medium bands of quartz and shale, grey, ARGILITE | | | 1 HQ | -BC- | 100 | 35 | 26 | 25 | 0 | | |
| - 6 - 7 - 7 - 8 | | | | - | 2 HQ | | 65 | 33 | 17 | 13: 9 15 | 0 | | |
| -9 -10 -11 -11 | | | | _ | 3 HQ | =BC= | 93 | .77 | .68 | 17 14 .6 | O | 4.10x10 ⁻⁸ | |
| -12 -13 -13 -14 | | | | | 4 HQ | | 79: | 49: | 36 | 25 .6 11 | :0; | | |
| -15 - 16 - 16 - 17 | | - at 16.4 m (0.60 m thick quartz vein noted). | | | 5 HQ | | 76. | 45 | 30 | 18 20 15 | ō | | |
| -18 | | - at 18.1 m (0.10 m thick quartz vein noted). | | | 6 | | | | | 7:: | | | |
| -19 20 | | - at 19.2 m (0.05 m thick quartz vein noted). | | | Η̈́Q | BC- | 93. | 65. | 42 | 14. | | 4.30x10 ⁻⁹ | |
| -21 22 23 23 | | - at 21.9 m (0.05 m thick quartz vein noted). | | - | 7 HQ | -BC- | 95 | 47 | 33 | 20 | 0 | | |
| -24 25 | | | | | 8 HQ | | 90: | :66: | .38 | 12 | .0 | | |
| -27 -28 -29 -29 | | | | | 9 HQ | | 41 | 32 | 24 | 25 25 25 | .O. | 6.10x10 ⁻⁹ | |
| -30 -31 -31 -32 | | | | | | -BC- | 97 | 45 | 30 | 11. 25 13. | 0 | | |
| -33 34 34 35 | | | | | 11 HQ | <u> </u> | 95 | 66- | 55 | 15 15 .8 | 0 | 4.00x10 ⁻⁹ | |
| | | EW CLD (C) STANTEC DEDDOCK LOG 7, 2002 - 622-44 DM | | | | | | | | | | | Logged By: Reviewed By: |

| | CLIEN | CT Geotechnical Investigation - Touqu | | | | | | RD | | H21- | 04 | METHO | PAGE <u>2</u> of <u>2</u> CT No. <u>121619250.5500</u> DD <u>Wash Bore</u> |
|---------------------------------|---------------|---|-------------|-------------|----------|--|--------------------|--|-------------|--|---|---|--|
| | LOCA | IION <u>Middle Musquodobit, NS</u> S DRILLED (mm-dd-yy) <u>9-30-21 to 1</u> | 0-6- | -21 | | | ELEVA | TION: _ R LEVEL | | <u>.966 m</u> n 1-2 | 24-22 | DATUN | A _ Geodetic I. / AZ60 / 40 |
| | | S DRILLED (min-du-yy) | | | | | | or abbreviation | | | | | ./ AZ |
| (m) H | (m) NO | | LOT | , KEL | _ | | | ID TERMS US | ED ON BORE | | | ~ | WELL CONSTRUCTION |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVIT k, m/sec. | DETAILS |
| -35 -36 -37 -37 -38 | | Very poor to good quality, slightly weathered to fresh, fine grained, massive texture, medium strong to strong, occasionally laminated to medium bands of quartz and shale, grey, ARGILITE (continued) - broken core noted from 35.3 m to 38.3 m possibly a result of nearby underground workings. | | | 12 IQ | BC BC BC BC BC BC BC BC | 8 8 9 8 71 | 80 80 80 80 80 80 80 80 80 80 | 32 | 20 20 20 20 20 20 20 20 20 20 | 15 30 45 60 60 60 | 4.00x10 [°] . | |
| -39 -40 -41 | | | | | I3 IQ | BC | 64 | 37 | 29 | 15 15 | 0 | | |
| -42 43 44 44 | 68.15 | Poor to good quality, fresh, fine to medium grained, massive to foliated texture, medium strong to strong, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITE | | | E | BC≡ BC≡ | 97: | .90: | :85 | .5 | . O | 2.20-10.9 | |
| -45 46 | | - at 43.4 m (0.4 m thick quartz vein noted). | | | | BC- BC- | 95: | .78: | .64 | 9 7 2 | .O. | 3.20x10 ⁻⁹ | |
| -48 -49 -49 | | - at 49.5 m (0.1 m thick quartz vein noted). | | | 16 IQ | | 97 | 68 | 53 | 16 | Ó | | |
| | | | | | 17 IQ | | 97 | 78 | 68 | 7 | 0 | | |
| 54 54 | | | | | | BC= BC- | 87: | | 48 | | .o | 2.80x10 ^{.9} | - |
| -56 57 57 58 | | | | | 19 IQ | | 91 | 80. | .75 | 111. 12: 12: 12: | 0 | | |
| -59 | | | | | 20 IQ | - | 100 | . 85: | :80 | 12 | • | | |
| -60 -61 -62 | 52.52 | End of Borehole | | E | IQ | | 100 | | | | | | |
| -63 64 -65 - | | | | | | | | | | | | | |
| -66 -67 -68 -68 | | | | | | | | | | | | | |
| -70 | | | | | | | | | | | <u></u> | | Logged By: Reviewed By: |

| LIEN ROJE | CT Geotechnical Investigation - Touc | uoy | In- | Pit | Dis | | | | | | METHO | T No. <u>121619250.5500</u> D <u>Wash Bore</u> |
|--------------|---|-------------|-------------|----------|-----------------------|--------------------|--------------------|-------------------------|---|---|--|---|
| | TIONMiddle Musquodobit, NS S DRILLED (mm-dd-yy)11-1-21to | 11-3- | -21 | | - | ELEVA WATEI | TION: _ R LEVEL | | <u>.773 m</u> 4m 1-2 | 24-22 | DATUM INCLIN | Geodetic / AZ60 / 100 |
| | (<u>)</u> <u>)</u> | | | | | Fo | or abbreviation | NOTE: ns, symbols ar | | s refer to | | |
| EVATION (m) | LITHOLOGICAL DESCRIPTION | PLOT | EVEL | O | | | VERY | ED ON BORE | | | | WELL CONSTRUCTION DETAILS |
| ELEVA | | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | DETAILO |
| 108.77 | | | | | BROI | <u>88888</u> | 20 60 % | 80 60 20 | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | 15 30 DISC 45 C | 01 0 ⁹ °°′′ | |
| | OVERBURDEN | 0 | | | | | | | | | | |
| | | O | V | | | | | | | | | |
| | |) O | . | | | | | | | | | |
| | | 0 | | | | | | | | | | |
| 103.82 | Poor quality, slightly weathered to fresh, fine grained, foliated | (| | 1 | =BC= | 100 | | 40 | 25 | | | |
| | texture, dark grey, SHALE with very thin lenses of ARGILITE - drilling sub-parallel to foliation/bedding. | | | 1 HQ | -BC- | 100 | 55 | 40 | 25 > | > | | |
| | unning sub-parallel to tonation octuang. | | | 2 HQ | -BC- | 68 | 48 | 41 | 10: | · · · · · · · · · · · · · · · · · · · | | |
| | | | | | =BC= | | | | 10 | | | |
| | - interpreted possible fault/shear zone from 10.1 m to 11.0 m. | | | | Da | | | | 20 | | | |
| 97.81 | | | | 3 HQ | -BC- | 85 | 55 | 43 | 10 | 0 | 1.10x10 ⁻⁸ | |
| | Poor to good quality, moderately weathered to fresh, fine grained massive to foliated texture, occasionally laminated to medium | | | | =BC= -BC- | | | | 4 | | | |
| | bands of quartz and shale, dark grey, ARGILITE | | | | BC BC BC= | 95 | | .89 | 5 | o | | |
| | | | | | | | | | 5 | | | |
| | | | | 5 | | | | | 5 | | | |
| | | | | 5 HQ | | 95: | | 63 | 10. 6 | D: | | |
| | | | | | | | | | | | | |
| | | | | 6 HQ | | 91 | 72 | 56 | 8 | 0 | 6.80x10' ⁹ | |
| | - at 21.9 m (0.25 m thick quartz vein noted). | | | | | | | | 7 | · · · · · · · | | |
| | | | | 7 HQ | -BC- | 83 | 45 | 32 | 20 | 0 | | |
| | | | | | -BC- | | | | 10. | | | |
| | | | | | | | | | 12 | | | |
| | | | | 8 HQ | | 97 | 55 | 50 | | 0 | | |
| | | | | | | | | | 8 | | | |
| | | | | 9 HQ | | 94 | 76 | .65 | · · · · · · · · · · · · · · · · · · · | р | 5.00x10 ⁻⁹ | |
| | | | | | | | | | 9 | | | |
| | | (1)(1)(1) | | 10 | | | | | 4 | | | |
| | | | | 10 HQ | | 95 | 75 | 62 | 5 | 0 | | |
| | | | | 11 HQ | | 99: | 92: | | : :2 : : | | 3.90x10 ⁻⁹ | |

|] | CLIEN PROJE | CT Geotechnical Investigation - Touq TION Middle Musquodobit, NS | uoy | In-] | | | | | 108 | H21-05 | _ METH | M Geodetic |
|---|----------------|---|-------------|-------------|---|-----------------------|---|---|-------------|---|--|---------------------------------|
|] | DATES | S DRILLED (mm-dd-yy) 11-1-21 to 1 | 1-3- | -21 | | - | | R LEVEL | | | _ INCLIN | N. / AZ60 / 100 |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | | or abbreviation D TERMS US OVERY SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m PER 1 m DIP MIT DIP MIT CODE MIT | HYDRAULIC CONDUCTIVITY k, m/sec. | WELL CONSTRUCTION DETAILS |
| -35 -37 -37 -37 -37 -38 -39 | | Poor to good quality, moderately weathered to fresh, fine grained, massive to foliated texture, occasionally laminated to medium bands of quartz and shale, dark grey, ARGILITE (continued) | | | 111 HQ 12 HQ 13 HQ 14 HQ 15 HQ 16 HQ 17 HQ 18 HQ | | 8 8 8 992 8 8 855 8 8 855 8 8 866 9 8 892 9 9 893 8 8 895 8 8 895 8 8 895 8 8 895 8 8 895 8 8 895 8 8 895 8 8 992 92 92 92 92 92 966 966 97 977 93 93 | 92: 92: 76: 76: 55: 55: 55: 56: 7 | | P P | m r m in | |
| | 55.57 | End of Borehole | | | | | | | | | | |
| -/0 - | | | | | | | | | | | | Logged By: Reviewed By: |

| Interface Inter | LIEN ROJE | Geotechnical Investigation - Touq Middle Musquodobit, NS | uoy | In- | Pit | | | | 120 | H21- | | METHC DATUM | PAGE <u>1</u> of <u>2</u> CT No. <u>121619250.5500</u> DD <u>Wash Bore</u> <u>1</u> Geodetic |
|--|------------------|---|--------------|------------|--------------------|----------------------|-----------------|-------------------------------|----------------|------------------------------|---|--|---|
| Description Desc | ATES | S DRILLED (mm-dd-yy) 10-7-21 to | <u>10-9-</u> | -21 | | | WATEF | R LEVEL | | | 24-22 | INCLIN | . / AZ -90 / N/A |
| $ \frac{1}{10^{2}} = 1$ | (L) N | | <u>+</u> | | | s | Fo YMBOLS AN | or abbreviation D TERMS US | is, symbols ar | nd descriptions | Frefer to EST PIT RE | CORDS | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | ELEVATIO | LITHOLOGICAL DESCRIPTION | STRATA PLC | WATER LEVI | RUN NO. | LOST / ROKEN CORE | TOTAL CORE | SOLID CORE | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | |
| $\frac{1.56}{100}$ $1.$ | 120.46 | OVEDDIDDEN | | T | | BI | 2 4 8 8 | | | | | | |
| $ \begin{array}{ c c c } \hline & & & & & & & & & & & & & & & & & & $ | 115.46 | Poor to fair quality, slightly weathered to fresh, fine to medium | | | | | | | | | | | |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | | | | 1 HQ | | 73 | 65 | 53 | | 0 | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | 中中 | | ² HQ | | 90: | 82 | 73 | 9 7 20 | o. | | |
| Good quality, slightly weathered, fine grained, massive texture, last grey, ARCILITEBack 20206Fair quality, slightly weathered, medium grained, massive texture, light grey, OREYWACKE 100 100 00 Prior quality, slightly weathered, fine grained, massive texture, light grey, OREYWACKE 100 100 00 00 Prior quality, slightly weathered to firsh, fine to medium grained, massive to foliated texture, light grey to dark grey, occasional quartz vins, GREYWACKE 100 100 00 00 100 100 00 00 00 00 00 00 100 100 100 00 00 00 100 | | | 臣 | | | =BC= | 93: | .76: | .70 | 8 10 | 0 | 1.10x10 ⁻⁸ | |
| $ \begin{array}{c} \hline Good quality, slightly weathered, fine grained, massive texture, light grey, GREVWACKE Fair quality, slightly weathered, fine grained, massive texture, light grey, GREVWACKE Fair quality, slightly weathered for fresh, fine to medium grained, massive texture, light grey to dark grey, RGREVWACKE Fair quality, slightly weathered to fresh, fine to medium grained, massive texture, light grey to dark grey, GREVWACKE Fair quality, slightly weathered to fresh, fine to medium grained, massive texture, light grey to dark grey, GREVWACKE Fair quality, slightly weathered to fresh, fine to medium grained, massive texture, light grey to dark grey, GREVWACKE Fair quality, slightly weathered to fresh, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered, fine grained, massive texture, light grey to dark grey, GREVWACKE Fair quality, slightly weathered, fine grained, massive texture, light grey to dark grey, GREVWACKE Fair quality, slightly weathered, fine grained, massive texture, light grey to dark grey, GREVWACKE Fair quality, slightly weathered, fine grained, massive texture, light grey to dark grey, GREVWACKE Fair quality, slightly weathered to fresh, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered to fresh, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered to fresh, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered to fresh, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered to fresh, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered to fresh, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered, fine to medium intermitent lenses of ARGILITE Fair quality, slightly weathered, fine to medium intermitent lenses of ARGILITE$ | 104.06 | | | | | | 97 | 66 | 51 | 15 | 0 | | |
| In matrixFair quality, slightly weathered, fine grained, massive texture, dark grey, ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITEImage: a fair of texture, light grey to dark grey, occasional quartz veins, GREYWACKE weint lenseImage: The fair of texture, light grey to dark grey, occa | 102.96 | | | | | =BC= | | | | 16 | | | |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 102.36 101.56 | light grey, GREYWACKE Fair quality, slightly weathered, fine grained, massive texture, | | | 5 HQ | | 96 | 78 | 70 | 10 | 0 | | |
| $ \begin{bmatrix} & & & & & & & & & & & & & & & & & & $ | | Poor to good quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to | | | | =BC= | 92: | 70: | 58 | 11 | o | 5.70x10 ^{.8} | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | 7 | | 93: | .72: | 60 | 10: | o | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | ≡BC≡ | 90: | 82 | 80 | 5 | 0 | | |
| 10 HQ 977 74 666 111 10 11 11 10 11 11 10 11 11 10 11 11 | | | | | 9 HQ | | 96 | | 67 | 10 | Ō | 4.50x10 ^{.9} | |
| | | | | | 10 HQ | | 97 | 74 | 66 | | 0 | | |

| | CLIEN | ~ | | | | | | RD | В | H21-(|)6 | PROJEC METHO | PAGE <u>2</u> of <u>2</u> T No. <u>121619250.5500</u> Wash Bore |
|---|---------------|---|-------------|-------------|----------------------|-------------|----------------------------|-----------------------|------------------------|---|---|--|---|
| | LOCA | Middle Musquodobit, NS | 0-9 | | | | ELEVA | TION: _ | | . <u>461 m</u> 5m 1-2 | 4-22 | DATUM | |
| - | | S DRILLED (mm-dd-yy) 10-7-21 to] | | | | | | | | d descriptions HOLE AND TE | | | |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | BROKEN CORE | RECC TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | WELL CONSTRUCTION DETAILS |
| -35 -36 -37 -38 -39 | | Poor to good quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGLLITE (<i>continued</i>) - interpreted possible fault zone from 36.1 m to 36.4 m. | | | 11 HQ 12 HQ | | 8 8 8 8 8 85 97 | 8 8 9 0 0 79 85 | 8 € € 8 | ∞ ≅ ₽ 8 | 0 15 38 38 60 60 60 | 10 ⁰ | |
| -40 -41 -42 -42 -43 -43 -44 | | | | | 13 HQ | BC_ | 75: | 71: | | 10 :8 :7 | D | 6.90x10 [®] | |
| -45 -46 -47 -47 | | | | | 14 HQ | BC= BC | 83 | 52. | 40 | .7 .6 .8 .5 | 0 | | |
| | 70.41 | Fair to good quality, slightly weathered to fresh, medium grained, massive texture, light grey, GREYWACKE | | | 15 HQ 16 HQ | BC | 93: | | 77 | | Ó Ó | 9.40x10° | |
| -53 -54 -55 -55 -56 | | | | | 17 HQ | | 100 | | | 2 :5 :4 | Q. | | |
| -57 -58 -59 59 | 60.41 | | | | 18 HQ 19 HQ | | 100 | | .87 | · · · 4 · · · · · · · · · · · · · · · · | D O | 3.20x10* | |
| -54 -55 -57 | | End of Borehole | | | | | | | | | | | |
| -66 -67 -68 -68 -69 -70 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | Logged By: Reviewed By: |

| | Geotechnical Investigation - Touq Middle Musquodobit, NS | | | Pit | _ | ELEVA | | | .93 m | | DATUM | D Wash Bore Geodetic |
|------|---|---------------------------------|-------------|---------|-----------------------|--------------------|--------------------------------------|------------------------------|--------------------------------|---|--|-------------------------|
| TE | S DRILLED (mm-dd-yy) 9-25-21 to 9 | 9-27- | 21 | | | | R LEVEL | NOTE: | | | | / AZ60 / 30 |
| E) z | | 15 | Ш | | S | F0 MBOLS AN | or abbreviation | is, symbols ar ED ON BORE | nd descriptions EHOLE AND T | s refer to EST PIT REC | CORDS | WELL CONSTRUCTION |
| | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | DETAILS |
| 3.93 | OVERBURDEN | 0 | | | | <u> </u> | · · · · 80 · · · · 80 · · · 20 | 80 60 20 | | | 10 ⁶ | |
| | | | | | | | | | | | | |
| | | \odot \odot \odot \odot | | | | | | | | | | |
| 2.18 | Poor to good quality, moderately weathered to fresh, fine grained, | | | | | | | | 25 | | | |
| | massive to foliated texture, occasionally laminated to medium bands of quartz and shale, dark grey, ARGILITE | | | 1 HQ | BC | 40 | 26 | 13 | 25 25 | | | |
| | | | | 2 HQ | BC | 67 | 12 | 0 | 25 25 25 | | 1.20x10 ⁻⁷ | |
| | - at 13.8 m clay seam noted (50 mm). | | | 3 HQ | BC BC BC | 75: | 20 | 7: | 25 25 20 | p | | |
| | | | | 4 HQ | BC | 73. | 24 | 10 | 25 25 10 | 0 | | |
| | | | | 5 HQ | _BC_ | 777 | 49: | 40 | 10: 20 16 | | 3.90x10 ⁻⁸ | |
| | | | | | =BC= _BC_ | 83 | 52 | .47 | 10: 10: .4 | 0 | | |
| | - interpreted possible fault/shear zone from 26.2 m to 26.4 m. | | | 7 HQ | BC | 73. | 38 | 27 | .6. .13. .13. | 0 | | |
| | | | | 8 HQ | BC | 62. | 19 | 13 | 25 20 15 | 0 | 3.60x10 ⁻⁸ | |
| | | | | 9 HQ | | 66 | 37 | 28 | 25 10 4 | | | |

| CLIEN PROJ | ECT Geotechnical Investigation - Touqu | | | | | pos | sal | | | | | | 121- | 07 | 7 | | METHO | PAGE <u>2</u> of <u>2</u> T No. <u>121619250.5500</u> Wash Bore |
|---|--|---------------|-------------|----------|-----------------------|---------|------------------------------------|-----|----------------------------|-------|----------------------------------|-------------|---------------------------------------|---------------|-------------------------|----|--|---|
| LOCA DATE | TION <u>Middle Musquodobit, NS</u> S DRILLED (mm-dd-yy) <u>9-25-21 to 9</u> | -27- | -21 | | - | | | | ΓΙΟΝ: _ LEVEL | | N/2 | | 3 m Ba | ack | fill | ed | DATUM INCLIN. | Geodetic |
| | | | | | | | | For | abbreviatio | ns, s | NOTE | and d | lescription | ns ref | er to | | | |
| ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | T/ C | RE OTAL CORE % | cov | VERY SOLID CORE % | | R.Q.D. | | FRACTURE INDEX PER 1 m | ATIM TENOOSIO | DIP w.r.t. CORE AXIS | | HYDRAULIC CONDUCTIVITY k, m/sec. | WELL CONSTRUCTION DETAILS |
| | Poor to good quality, moderately weathered to fresh, fine grained, massive to foliated texture, occasionally laminated to medium bands of quartz and shale, dark grey, ARGILITE <i>(continued)</i> - interpreted possible fault/shear zone from 35.2 m to 35.5 m. - at 35.8 m clay seam noted (50 mm). | | | 10 HQ | | | 8 8 8 90 90 90 | | · 300: | 80 | <u>8 9 8 8</u> 50 50 84 | ت ب ب | 2 2 2 8 15 | 10 10 | .0. .0. | | 0.000000000000000000000000000000000000 | |
| 83.60 | End of Borehole | $\frac{1}{1}$ | | | BC | | | | | | <u> </u> | | 7 | | | | | |
| ՠ՟ՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠՠ | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | Logged By: Reviewed By: |

| CLIEN PROJE | Geotechnical Investigation - Touqu TION Middle Musquodobit, NS | | In- | Pit | | posal ELEVA | RD | 118 | H21-08 | | METHO DATUM | PAGE <u>1</u> of <u>2</u> T No. <u>121619250.5500</u> Wash Bore Geodetic / AZ. <u>-60 / 270</u> |
|----------------|---|-------------|-------------|----------|-----------------------|----------------|----------------|---------------------------|---|---------------------------------------|--|---|
| | S DRILLED (mm-dd-yy) | | | - | - | | | | nd descriptions refer | | | / AZ |
| ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | | NO TERMS US | ED ON BORE R.Q.D. % | FRACTURE FRACTURE INDEX FRACTURE FRACTU | CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | WELL CONSTRUCTION DETAILS |
| 118.03 | OVERBURDEN | 0 | | | 8 | | 80 80 40 | | | | 10^{-6} | |
| 115.81 | | ° > O | . | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| | Poor to good quality, moderately weathered to fresh, fine grained, massive texture, dark grey, ARGILITE | | | 1 HQ | BC | 20 | 7 | Ō | 10: D | | | |
| | - from 5.7 m to 7.1 m highly fractured rock. | | | 2 HQ | =BC= | 82 | 52 | 30 | | | | |
| 108.80 | | | | 3 HQ | | 97: | 70: | 60 | 12: 10: 8: | | 8.70x10 ⁻⁸ | |
| | Poor to excellent quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITE | | | 4 HQ | | 84: | 82: | .79 | · 2 · | | | |
| | - from 15.4 m to 16.0 m increase in grain size. | | | 5 HQ | | 100 | 95 | 93 | 6. 5. 4. | | | |
| | | | | 6 HQ | | 100 | 88 | 80 | | | 8.70x10 ⁻⁹ | |
| | | =++∓ | | 7 HQ | | 97: | .76 | 47 | · · · · · · · · · · · · · · · · · · · | | | |
| | | | | 8 HQ | | 97: | . 90: | .82 | 3 | | | |
| | intermented provible for 1/4 and range from 22 1 or to 22 2 | | | 9 HQ | | 87. | 777 | 69 | 5 0 0 | | 2.10x10 ⁻⁸ | |
| | interpreted possible fault/shear zone from 28.1 m to 28.3 m. interpreted possible fault/shear zone from 30.1 m to 30.3 m. | | | 10 HQ | | 93 | 83 | 70 | 9 8 0 | | | |
| | | | | 11 HQ | | 95 | | .73 | .5. .5. .6. .0. | | 7.30x10% | |
| | | | | 12 | | 93 | | 79 | | | | |
| | | | | | | | | | | | | Logged By: Reviewed By: |

| | | ~ | | | | | | |)F | RD | | | B | BH21- | -08 | PROJE | PAGE <u>2</u> of <u>2</u> CT No. <u>121619250.5500</u> DD <u>Wash Bore</u> |
|------------------|---------------|---|-------------|-------------|----------|-----------------------|----|------------------|-----|-----------------|-------|-----------------------|-----------------|------------------------------|---|--|--|
| | ROJE | | 1403 | 111- | -1 10 | - | | | AT | ION | : | | 118 | 8.027 m | | DATUI | M Geodetic |
| | | S DRILLED (mm-dd-yy) 10-17-21 to | 10-1 | 8-2 | 1 | _ | W | VATE | ER | LEV | EL | | | | -24-22 | INCLIN | N. / AZ. <u>-60 / 270</u> |
| | ĉ | | | | | | YM | I BOLS A | For | abbrevi TERM | ation | l s, symi FD ON | NOTE: bols a | : Ind description | ns refer to TEST PIT RE | CORDS | |
| DEPTH (m) | IION (r | LITHOLOGICAL DESCRIPTION | PLOT | EVEL | ġ | | | REC | | | | | | | | | WELL CONSTRUCTION DETAILS |
| DEPI | ELEVATION (m) | | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | 1 | TOTAL | | SOLI | 5 | R.C |).D. | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | DETAILS |
| | | | S | × | | BROKE | | CORE % | | CORE % | Ξ | | | 2 – E | DISCO | | |
| -35 | | Poor to excellent quality, slightly weathered to fresh, fine to | - | - | НQ | | 8 | 2 6 8 | | 8 8 9 | 20 | 8 8 | | s € € 8 | | 10 ⁻⁸ | |
| -36 | | medium grained, massive to foliated texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to | | | 12 HQ | | | 93 | | 84 | | 7 | | 4 | 0 | | |
| -37 - | | medium intermitent lenses of ARGILITE (continued) | Ē | | | | | | | | | | | 4 | | | |
| -38- | | | 臣 | | | | : | | | | | | | -6 | | 7.30x10 ^{.9} | |
| -39 | | | | | 13 HQ | BC | | 90 | | 69 | | 5 | 2 | 5 | o | | |
| -40 - | 82.96 | | | | | | ÷ | | | | | | | : 7: : | | | |
| -41 | | End of Borehole | | | | | | | | | | | | | | | |
| -42 - | | | | | | | | | | | | | | | | | |
| -43 - | | | | | | | | | | | | | | | | | |
| -44 - | | | | | | | | | | | : | | | | | | |
| -45 | | | | | | | | | | | | | | | | | |
| -46 | | | | | | | : | | | | : | | | | | | |
| -47 - | | | | | | | | | | | | | | | | | |
| -48 - | | | | | | | | | | | | | | | | | |
| -49 - | | | | | | | | | | | | | | | | | |
| -50 - | | | | | | | | | | | | | | | | | |
| -51 - | | | | | | | | | | | : | | | | | | |
| -52 - | | | | | | | | | | | | | | | | | |
| -53 - | | | | | | | | | | | | | | | | | |
| -54 - | | | | | | | | | | | : | | | | | | |
| -55 - | | | | | | | | | | | | | | | | | |
| -56 - | | | | | | | | | | | : | | | | | | |
| -57 - | | | | | | | | | | | | | | | | | |
| -58- | | | | | | | | | | | : | | | | | | |
| -59 - | | | | | | | | | | | | | | | | | |
| -60 | | | | | | | | | | | | | | | | | |
| -61 | | | | | | | | | | | : | | | | | | |
| -62 | | | | | | | | | | | | | | | | | |
| -63 | | | | | | | | | | | : | | | | | | |
| -64 - | | | | | | | | | | | | | | | | | |
| -65 - | | | | | | | | | | | : | | | | | | |
| -66 - | | | | | | | | | | | | | | | | | |
| -67 | | | | | | | | | | | | | | | | | |
| -68 - | | | | | | | | | | | | | | | | | |
| -69- | | | | | | | | | | | | | | | | | |
| _70 [∃] | | | | <u> </u> | L | <u> </u> | | <u> </u> | | · · · | : 1 | | · · | <u> ; ; ; ;</u> | <u>I;;;;</u> | L : : : : | EE Logged By: Reviewed By: |

| | | | | | | | | RD | B | 3H21- | 09 | PROJE | PAGE <u>1</u> of <u>4</u> CT No. <u>121619250.5500</u> |
|--------------------|---------------|---|--------------------|-------------|----------|-----------------------|--------------------|-------------------------|---|------------------------------|---|---|--|
| | PROJE LOCA | TION Middle Musquodobit, NS | uoy . | | | - - | ELEVA | ATION: _ R LEVEL | | 2 <u>.001 m</u> 57m 1-2 | 24-22 | DATU | Wash Bore M Geodetic J. / AZ. -60 / 45 |
| | | SDRILLED (IIIII-dd-yy) | | | - | | | | | nd descriptions | | | N. / AZ |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | PLOT | EVEL | ġ | | | ND TERMS US | ED ON BORI | | | | WELL CONSTRUCTION DETAILS |
| DEP | ELEVA | | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | |
| -0 | 112.00 | | - | | | BRG | 8848 | 8 9 4 0 2 4 0 2 7 | 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 5 | 12 DIS | -10 ⁸ -10 ⁶ -10 ⁶ CC | |
| - 1 - | | OVERBURDEN | 0 | | | | | | | | | | |
| _2 - | | | 0 | | | | | | | | | | |
| - 3 - | | |) O | | | | | | | | | | |
| - 4 - - 5 - | | | 0 | | | | | | | | | · · · · · | |
| | | | 0 | | | | | | | | | | |
| - 7 - | 105.40 | | $\hat{\mathbf{o}}$ | | | | | | | | | · · · · · | |
| - 8 - | 105.40 | Very poor to fair quality, slightly weathered to fresh, fine grained, massive texture, occasional sulphide inclusions, greywacke | | | | | | | | 15 | | | |
| _9 - | | laminations and quartz veins, dark grey, ARGILITE - at 7.6 m (0.9 m thick quartz vein noted). | | | 1 HQ | =BC= -BC- | 57 | 33 | 25 | 30 > | > | | |
| -10- | | - interpreted possible fault/shear zone from 9.0 m to 13.0 m. | | | | BC BC BC | | | | 30: > | > | | |
| 12 - | | | | | 2 | =BC= | | 19 | 11 | 20 | | | |
| -13- | | | | | HQ | BC | | | | | | | |
| -14- | | | | | | BC= | | | | 10 | | | |
| -15- | | | | | 3 HQ | DC | .90: | 58 | .43 | 10 | 0 | 1.40x10 ⁻⁷ | |
| | | | | | | -BC- BC | | | | 6 | | | |
| -17- | | | | | 4 | BC | | | | | | | |
| | | | | | 4 HQ | -BC- | | 37 | 33 | 10 | • • • • • • • • | | |
| -20- | | | | Y | | | | | | | | | |
| -21- | | | | | 5 HQ | =BC= | 77 | 64 | 57 | | 0 | | |
| -22 - | | | | | | | | | | 5 | | | |
| -23 - | | | | | | | | | | .7. | | | |
| | | | | | но НQ | | 83 | 63 | 57 | | • • • • • • • • • • • • • • • • • • • | 9.70x10 ⁻⁹ | |
| | | | | | | | | | | 5 | | | |
| | | | | | 7 HQ | | 85: | .76: | .73 | 3 | 0 | | |
| -28- | 87.22 | | | | | -BC- | | | | 5 | | | |
| -29- | | Very poor to fair quality, fresh, fine to medium grained, foliated texture, light grey to dark grey, interbedded GREYWACKE and | | | | BC BC | | | | 10: | | | |
| -30 - | 85.07 | ARGILITE | | | 8 HQ | | 63 | 29 | 20 | 10. | 0 | | |
| -31 - | 00.07 | Very poor to poor quality, slightly weathered, fine grained, massive texture, occasional sulphide inclusions, occasional | | | | =BC≡ -BC- | | | | 10 | | 4.40x10 ⁻⁸ | |
| | | greywacke lmaintations and quartz veins, dark grey, ARGILITE | | | 9 HO | -вс- | 73 | 34 | 26 | 15 | 0 | | |
| -34 - | | | | | | =BC= | | | | 10 | | | |
| -35 | | | <u></u>) | 1 | | <u> </u> | <u>·</u> 70··· | 39 | 22 | | | | · · · · · · · · · · · · · · · · · · · |
| | | | | | | | | | | | | | Logged By: Reviewed By: |
| | | | | | | | | | | | | | - |

| | Stantec DRILL NT Atlantic Mining NS Inc. | | | | | | RD | В | 8H21-(| 09 | . PROJE | PAGE <u>2</u> of <u>4</u> CT No. <u>121619250.5500</u> |
|---------------|---|---|-------------|---------------|-----------------------|----------------|----------------------|----------------------|--------------------------------|-----------------------------------|--|---|
| | ECT Geotechnical Investigation - Touque Middle Musquodobit, NS | uoy I | In-P | Pit | | | | 113 | 001 | | METH | OD Wash Bore |
| | | 1-20 | 5-21 | | | | ATION: _ R LEVEL | <u> </u> | <u>2.001 m</u> 57m 1_2 | 24-22 | DATU | Geodetic N. / AZ. -60 / 45 |
| AH | ES DRILLED (mm-dd-yy) 11-16-21 to | | | | | WATE | K LE VEL | NOTE: | | | . INCLIP | N. / AZ |
| (E | | | | | S | Fo MBOLS AN | or abbreviation | ns, symbols a | nd descriptions EHOLE AND T | refer to EST PIT RE | CORDS | WELL |
| ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | ġ | щ | RECO | OVERY | | щ | ≥ " | LI≺ | CONSTRUCTION DETAILS |
| LEVA | | RATA | TERL | RUN NO. | 1 COF | TOTAL | SOLID | R.Q.D. | DEX R 1 m | WITUN WITL | /DRAULIC JDUCTIVI <, m/sec. | 020,020 |
| ш | | STI | MA . | | LOST / BROKEN CORE | CORE % | CORE % | % | FRACT INDE | DISCONTUR DIP w.r.t CORE AX | HYDF CONDU k, n | |
| | | | | | | 8 8 9 9 8 | 80 60 20 20 | 80 60 40 20 | 5 12 20 20 21 | 15 30 60 75 75 | 10 ⁻⁸ 10 ⁻⁶ 10 ⁻⁶ C | |
| | Very poor to poor quality, slightly weathered, fine grained, massive texture, occasional sulphide inclusions, occasional | | | - | BC BC | | | | 10 | | | |
| | greywacke lmaintations and quartz veins, dark grey, ARGILITE | | 1 H | 10 IQ | | 70: | 39 | 22 | 7 | 0 | 4.40x10 ⁻⁸ | |
| | <i>(continued)</i> - at 35.7 m (0.25 m thick quartz vein noted). | (1, 1) | | | | | | | 10 | | | |
| | - broken core noted from 36.0 m to 37.4 m possibly a result of | $\langle \langle \langle \rangle \rangle$ | | ŀ | BC- | | | | 10: | | | |
| | nearby underground workings. | | 1 H | 11 IQ | | 70 | 41 | 27 | .9 | o | | |
| | - broken core noted from 39.6 m to 44.4 m possibly a result of | $\frac{1}{1}$ | | Ē | BC BC | | | | 10 | | | |
| 76.30 | nearby underground workings. | | | | BC BC | | | | | · · · · · · | | |
| | - at 41.2 m (0.2 m thick quartz vein noted). | | | 12 1Q | BC | | 27 | - 20 | | | 6.10x10 ⁻⁹ | |
| | Poor to fair quality, fresh, fine grained, massive texture, occasional sulphide inclusions, occasional greywacke laminations | | Н | ^{IQ} | BC BC | 00 | 57 | 29 | | | : : : : : | |
| | and quartz veins, dark grey, ARGILITE | 111 | | - | BC BC | | | | : 10: : | <u></u> | | |
| | at 41.9 m (0.4 m thick quartz vein noted). at 41.9 m (0.1 m thick quartz vein noted). | | | E | BC BC | | | | 10 | | | |
| | | | H H | 13 IQ | BC | 79: | 44 | 40 | 15 | • | | |
| | | | | | | | | | 6 | | | |
| | - at 47.0 m (0.3 m thick quartz vein noted). | | | | | | | | 4 | | | |
| | | | 1 | 14 IQ | | 98: | .76: | .69 | | 0 | | |
| | - at 48.2 m (0.6 m thick quartz vein noted). | | | IQ | | | | | 6 | | | NOTE: PERMEABILITY >10-4 |
| | | ()) | | _ | _ | | | | | <u> </u> | | FOR THIS INTERVAL. FLOW RATE HIGH (> 50 L/MIN) AND |
| | | ()); | | 15 | | | | | :5::: | | | THEREFORE COULD NOT |
| | - at 50.9 m (0.2 m thick quartz vein noted). | () (| Н | 15 IQ | | 87 | 61 | 44 | | 0 | | ACHEVIE PRESSURE FOR TESTING IN HOLE. |
| | - at 50.9 m (0.05 m thick quartz vein noted). | $\left(\left(\right) \right)$ | | | | | | | 10 | | | TEST INTERVAL IN AREA OF |
| | - at 52.4 m (0.4 m thick quartz vein noted). | | | | BC | | | | 8 | | | UNDERGROUND WORKINGS |
| | - broken core noted from 53.9 m to 54.6 m possibly a result of | | 1 H | 16 1Q | | 87 | 50 | 37 | 10 | o - | | |
| | nearby underground workings. | | | | BC BC | | | | 10: : | | | |
| | | $\left(\begin{array}{c} 1 \\ 1 \end{array} \right)$ | | T | .DC_ | | | | 10 | | | |
| 62.81 | Poor quality, fresh, fine grained, massive texture, occasional | | 1 | 17 IQ | BC | 77: | 51 | 44 | 6 | | | |
| | sulphide inclusions, occasional greywacke laminations, dark grey, | | H | łQ | | | | | | | | |
| | ARGILITE - at 56.8 m (3.2 m thick quartz vein noted). | | | - | BC | | | | 6 | · · · · · · | | |
| | | (()) | | | | | | | : :8 : : | | | |
| 59.52 | | | | 18 1Q | BC | 77: | 47: . | 40 | 10. | | 3.30x10 ⁻⁷ | |
| | Poor to good quality, fresh, fine grained, massive texture, QUARTZ VEIN | <u> </u>]_ | | | | | | | 5 | | | |
| | | ľ.' | | | | | | | 4 | | | |
| | | 5/- | | 19 1Q | | 95 | 86 | 81 | 4 | | | |
| | | | | | | | | | 3 | | | |
| | | ľ. | | | | | | | | | | |
| 55.31 | Poor to fair quality, fresh, fine grained, massive texture, | | , | 20 | | 78 | 50 | 25 | | | | |
| | occasional sulphide inclusions, occasional greywacke laminations, dark grey, ARGILITE | | Ĥ | 20 IQ | BC | | | 35 | | y | | |
| | | | | | | | | | 10: | · · · · · · | 2.30x10 ⁻⁹ | |
| | | | | | BC | | | | -8 | | | |
| | | $\left(\begin{array}{c} 1 \\ 1 \\ 1 \end{array} \right)$ | Ĥ | 21 IQ | | 89: | .76 | | 7 | 0 | | |
| | <u> </u> | | I I | | | | | | | | U : : : : | <u> </u> |
| | | | | | | | | | | | | Logged By: |
| | | | | | | | | | | | | Reviewed By: |

| | | ~ | | | | | | RD | В | H21-(| 09 | | PAGE <u>3</u> of <u>4</u> CT No. <u>121619250.5500</u> |
|---------------------------------|---------------|--|-------------|-------------|----------|-----------------------|----------------------------|--------------------|---------------------------------------|--------------------------------|---|--|---|
| | PROJE | | uoy | In- | PIt | | DOSAI ELEVA | TION: | | .001 m | | METH DATU | M _ Geodetic |
| | | S DRILLED (mm-dd-yy) 11-16-21 to | 11-20 | 6-2 | 1 | - | | R LEVEL | | 57m 1-2 | | INCLIN | N. / AZ. <u>-60 / 45</u> |
| (1 | (m) | | | | | s | F YMBOLS AN | or abbreviation | NOTE: ns, symbols ar ED ON BORE | nd descriptions EHOLE AND T | Frefer to EST PIT REC | CORDS | WELL |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | RECO TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| -70 | | Poor to fair quality, fresh, fine grained, massive texture, | | | 21 HQ | | 8 8 9 8 | 8 9 9 8 | 8 9 9 0 : 70 | ∞ <u>₽ ₽ 8</u> | 15 30 45 75 | | |
| -71 -72 -72 -73 | | accessional sulphide inclusions, occasional greywacke laminations, dark grey, ARGILITE (continued) at 70.0 m (0.6 m thick quartz vein noted). | | | | =BC= | | 65 | 58 | | 0 | 2.30x10 ⁻⁹ | |
| 74 75 | | | | | HQ | =BC= =BC= | 75 | 57: | .49 | | 0 | | |
| -77 -78 -78 -79 -79 | | | | - | | =BC= | 91. | 60: | .53 | 12: 7 6 | | 6.00x10 ⁻⁹ | |
| | | | | | 25 HQ | BC BC BC BC | 93 | 777 | 71 | | 0 | | |
| | | broken core noted from 82.9 m to 83.1 m possibly a result of nearby underground workings. | | | 26 HQ | =BC= | 76 | 62 | .54 | 10. 55 66 | 0 | | |
| | 35.76 | √- at 87.8 m (0.2 m thick quartz vein noted). Very poor to fair quality, slightly weathered to fresh, fine to | | | 27 HQ | =BC= =BC= | 80: | 68 | 56 | 10 | | 3.50x10 ⁻⁹ | |
| | | medium grained, foliated texture, light grey to dark grey, interbedded GREYWACKE and ARGILITE | | | нQ | =BC= _BC_ | 96: | :69: | .57 | 6 | 0 | | |
| -92 93 93 94 94 | | | | | 29 HQ | BC | 56: | 49: | -46 | 10 13 | 0 | | |
| -95 - 96 - 97 | | | | | 30 HQ | | 77 | 67 | 65 | .6 5 5 | Ō | 8.10x10 ⁻⁹ | |
| -98 -99 -99 - 100 | | | | | 31 HQ | | 95 | 66 | 31 | 10: 12: | Q | | |
| -101 - 102 - 103 - 103 | | | | | 32 HQ | BC | 93. | 53. | 35 | 5 10: 10: | p | 2.70x10 ⁻⁹ | |
| -104 | | EW.GLB (C) STANTEC BEDROCK LOG 7 3/9/22 6:33:59 PM | | | 33 HQ | BC | 78: | 15 | 5 | 15 | | | Logged By: Reviewed By: |

| | | T Atlantic Mining NS Inc. | | | | ECO | RD | B | BH21- | 09 | PROJE | PAGE <u>4</u> of <u>4</u> CT No. <u>121619250.5500</u> |
|--------------------------------|---------------|---|-------------|------------------------|-----------------------|----------------------------|-------------------------------|--------------------------------------|--------------------------------------|--|---|---|
| | PROJE | | uquoy | In-Pi | t Dis | | TION: | 112 | 2.001 m | | METHO DATUN | DD Wash Bore Geodetic |
| | | S DRILLED (mm-dd-yy) 11-16-21 to | 11-2 | 6-21 | _ | WATE | R LEVEL | | <u>57m 1-</u> | | INCLIN | N. / AZ. <u>-60 / 45</u> |
| 0 | (L) | | | | s | F YMBOLS AN | or abbreviation | NOTE: ns, symbols a ED ON BORI | : ind description: EHOLE AND 1 | s refer to TEST PIT RE | CORDS | WELL |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL RUN NO. | LOST / BROKEN CORE | RECO TOTAL CORE % | SOLID CORE % 8 8 9 8 | R.Q.D. % | 5 10 1NDEX 15 PER 1 m | 15 30 DISCONTUNITY 45 DIP w.r.t. 60 CORE AXIS 75 | 0 ^{0*} HYDRAULIC 0 ^{6*} CONDUCTIVITY 0 ⁵ k, m/sec. | CONSTRUCTION DETAILS |
| -105 | | Very poor to fair quality, slightly weathered to fresh, fine to medium grained, foliated texture, light grey to dark grey, | | 33 HQ | =BC= | 1 1 1 1 | 15 | 5 | 15 15 | 0 | | |
| -107- | | interbedded GREYWACKE and ARGILITE (continued) | | | | | | | 10: | | 2.70x10 ⁻⁹ | |
| | | | | 34 HQ | | 98: | :74: | :66 | 3 | 0 | 2.70410 | |
| - 110- - 1 - 111- - 1 | | | | 35 HQ | -=BC= | 83 | 65 | 54 | 10 | 0 | | |
| -112- -113- | | | | | | | | | 10 | | | |
| -114- -115- | | | | 36 HQ | | 83 | 63 | 53 | | 0 | 1.00x10 ⁻⁸ | |
| -116- -117- | | | 臣 | | | 95 | 45 | 30 | 15 10 | Q | | |
| -118- | | | | | | | | | 10: | | | |
| -120- | 7.39 | | | 38 HQ | | 99 | 77 | 67 | 3 | o. | | |
| -121- | | End of Borehole | | | | | | | | | | |
| -123 | | | | | | | | | | | | |
| -125- | | | | | | | | | | | | |
| -126 | | | | | | | | | | | | |
| 128 | | | | | | | | | | | | |
| -129- | | | | | | | | | | | | |
| -131- | | | | | | | | | | | | |
| -131 -132 -133 -133 | | | | | | | | | | | | |
| -134 -135- | | | | | | | | | | | | |
| - 136- | | | | | | | | | | | | |
| -137 | | | | | | | | | | | | |
| -140 | | | | | | | | | | | | Logged By: Reviewed By: |

| | | ~ | | | | | | RD | В | H21- | 10 | PROJE | PAGE <u>1</u> of <u>2</u> CT No. <u>121619250.5500</u> DD <u>Wash Bore</u> |
|--------------------------|----------------|---|-------------|-------------|----------------|-----------------------|----------|--------------------|----------------------------|--------------------------------|---|--|--|
|] | PROJE LOCAT | TION Middle Musquodobit, NS |)-28- | | <u> </u> | <u>DIS</u> | ELEVA | TION: _ | |).311 m 1-2 | 24-22 | DATUN | M <u>Geodetic</u> ./AZ. <u>-60 / 360</u> |
| | | S DRILLED (IIIII-ud-yy) | | | | - s | | | | nd descriptions EHOLE AND T | | | WELL |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| -0 | 110.31 | OVERBURDEN | | Ţ | | BF | 20 0 0 0 | | 80 60 60 70 80 | 20 20 20 20 | 15 15 15 15 15 15 | 10 ⁻⁸ | |
| -1 -2 -3 -4 | 107.78 | Very poor to excellent quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to | | | 1 HQ | BC -BC- | 100 | 66. | .56 | 15 | O, | | |
| - 5 - | | medium intermitent lenses of ARGILITE | | | 2 HQ | -BC- | 93 | 70 | 42 | 16 10: | ø | | |
| - 8 - 9 -10 | | | | | 3 HQ | BC BC | 90: | 53 | 40 | 17 17 20 | Q | 3.20x10 ⁻⁸ | |
| -11 -12 -13 | | | | | 4 HQ | BC | 98: | .79: | 62 | .6 .5 | , o | | |
| -14 -15 -16 | | | | | 5 HQ | be | 97 | | 77 | 25 20 15 | • | | |
| -17 -18 -19 -20 | | - interpreted possible fault/shear zone from 18.9 m to 19.2 m. | | 1 | 6 HQ | BC BC | 92 | 83 | 75 | 2 2 5 | 0 | 1.10x10 ⁸ | |
| -21 | | | | | 7 HQ | =BC= =BC= | 98 | . 88 | .83 | 5 | ¢. | | |
| -23 | | | | | 8 HQ | =BC= | 100 | 100 | 100 | 2 4 5 5 | .0. | | |
| -26 -27 -28 | | | | | 9 HQ | =BC= =BC= | 92. | | 85 | 2 :0 :5 :5 | .0 | 8.10x10 ^{.9} | |
| -29 - -30 - -31 - | | | | | 10 HQ | BC | 87 | 67 | 43 | 20 25 | • | | |
| -32 -33 -34 | | | | | 11 HQ 12 | =BC= | 98: | 90 | | | 0 | 1.80x10 ⁸ | |
| -35 = | | EW.GLB (C) STANTEC BEDROCK LOG 7 3/9/22 6:34:03 PM | | • 1 | | | u | | | | ;;;; | | E Logged By: Reviewed By: |

| | CLIEN | ~ | | | | | | DR | RD | В | 3H21- | 10 | PROJE | PAGE <u>2</u> of <u>2</u> CT No. <u>121619250.5500</u> DD <u>Wash Bore</u> |
|--------------------------|---------------|---|-------------|-------------|----------------|-----------------------|--------------------|---------------------------------------|--------------------|----------------------------|---|--|--|--|
| | LOCA | Middle Musquodobit, NS |)-28 | 21 | | _ | ELEV | | | |).311 m | 24.22 | DATUN | A Geodetic |
| | DATES | S DRILLED (mm-dd-yy) 9-27-21 to 9 | -28· | -21 | | - | | | LEVEL | | | 24-22 | | I. / AZ60 / 360 |
| (L | (m) N | | 1 | щ | | | | | | s, symbols a ED ON BORI | : nd description EHOLE AND | | | WELL CONSTRUCTION |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | TOTAL CORE % | | SOLID CORE % | R.Q.D. % | 5 10 15 15 20 20 20 20 20 20 20 20 20 20 20 20 20 | 15 30 DISCONTUNITY 45 DIP w.r.t. 60 CORE AXIS 75 | 0 ⁰ MYDRAULIC 0 ⁶ 0 ⁶ CONDUCTIVITY 0 ⁶ k, m/sec. | DETAILS |
| -35 -36 -37 | | Very poor to excellent quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent lenses of ARGILITE (continued) | | | HQ 12 HQ | -BC- | 93 | | | | · · · · · · · · · · · · · · · · · · · | 0 | | |
| -38 - -39 - -40 - | | | | | 13 HQ | =BC= | 92 | • | 77 | 73 | 0 7 10: | 0 | 1.80x10 ⁻⁸ | |
| -41 -42 -43 | | | | | 14 HQ | =BC= | 87. | · · · · · · · · · · · · · · · · · · · | .79 | 77 | .4 .3 .5 | 0 | | |
| -44 - -45 - -46 - | | | | | 15 HQ | -BC- -BC- | 75 | • | 36 | 22 | 25 20 15 | o | 1.70x10 ⁻⁸ | |
| -47 - -48 - -49 - | | | | | 16 HQ | -BC- | 97 | • | -94 | 93 | 2 4 :6 | Ó | | |
| -50 -51 -52 | | | | | 17 HQ | =BC= _BC | 97 | | 80 | 73 | .5 .8 .6 | 0 | | |
| -53 -54 -55 | | | | | | =BC= =BC= _BC | 90: | • | .77: | 63 | 9 3 6 | 0 | 4.00x10 ⁸ | |
| -56 -57 - | | | | | 19 HQ | _BC_ | 98 | · · · · · · · · · · · · · · · · · · · | 85 | 80 | .5 .8 .9 | 0 | 4.00x10 | |
| -59 - | 57.43 | | | | 20 HQ | | 100 | | 73 | 60 | .9 | Q | | |
| -61 -62 -63 -64 | | End of Borehole | | | | | | | | | | | | |
| -65 -66 -67 -68 | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | |
| -69 -70 | | | | | | | | • | | | | | | Logged By: |
| | | | | | | | | | | | | | | Reviewed By: |

| LIEN | | | | | | | RD | | 3H21- | -11 | PROJE | PAGE <u>1</u> of <u>2</u> CT No. <u>121619250.5500</u> Wash Bore |
|---------------|--|--|-------------|----------------|-------------|--------------------|--------------------|-------------|-------------------------------|---|--|--|
| ROJE OCA | TION Middle Musquodobit, NS | | | | | ELEVA | TION: | | 9.072 m | | DATUN | MGeodetic |
| ATE | S DRILLED (mm-dd-yy) 10-10-21 to 1 | 0-12 | 2-21 | | | WATE | R LEVEI | 0n | | 24-22 | INCLIN | N. / AZ60 / 45 |
| (LL) | | <u>+</u> | | | S | YMBOLS AN | or abbreviatio | ns, symbols | and descriptior REHOLE AND | ns refer to TEST PIT RE | CORDS | WELL |
| ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP w.r.t. CORE AXIS | HYDRAULIC CONDUCTIVITY k, m/sec. | CONSTRUCTION DETAILS |
| 19.07 | OVERBURDEN | | T | | 8 | 8 8 9 9 8 | | | 2015 0 | | | |
| | | o D | | | | | | | | | | |
| | | 0 | | | | | | | | | | |
| | | P | | | | | | | | | | |
| | | 0 | | | | | | | | | | |
| 14.32 | Very poor to poor quality, slightly weathered to fresh, fine to | | | - | вс= | | | | 25 | | | |
| | medium grained, massive to foliated texture, medium grey to dark grey, occasional quartz/pyrite veins, ARGILITE with very thin to | $\left(\begin{array}{c} 1 \\ 1 \\ 1 \end{array} \right)$ | E | | | 63 | 0 | 0 | 25 | 0. | | |
| | medium intermitent laminations of GREYWACKE | | | Г | BC | | | | 25 | | | |
| | - drilling sub-parallel to foliation/bedding. | $\left(\left(\right) \right) \right) \left(\left(\right) \right)$ | H | | BC= BC= | 70. | 10 | 6 | 25 | 0 | | |
| | | | | | BC- | | | | 25 | | | |
| | | | | | BC BC | | | | 20 | | | |
| | | (1,1,1) | H | $\frac{3}{10}$ | BC- BC- | 78 | 4 | <u>0</u> | 25 | 0 | 8.50x10 ⁻⁸ | |
| | - at 13.2 m clay seam noted (50 mm). | | | _ | BC | | | | 25 | | | |
| | - at 15.2 in easy scalin noted (50 min). | $\left(\right) \left(\left(\right) \left(\right) \left(\left(\right) \left(\right) \left(\right) \left(\left(\right) \left(\left(\right) \left(\right) \left(\left(\right) \left(\left(\right$ | | E | BC | | | | 25 | | | |
| | | | H | - OF | BC= BC- | 80 | | 33 | 5 | 0 | | |
| | | | | | BC= | | | | | | | |
| | | | | | вс- | 47 | 31 | 23 | 15 | | | |
| | | | | 4Q | | | | | 25 | | | |
| | | | | | | | | | 5 | | | |
| | | | H | 6 IQ | | 90: | 60. | .45 | 4 | .o. | 4.00x10 ⁻⁸ | |
| | | | | | | | | | 10 | | 4.00x10. | |
| | | | | | | | | | 17 | | | |
| | | ()) () | H | ío | BC= BC= | 100 | 61 | 45 | 20 | 0 | | |
| | | | | | BC- | | | | 15 | | | |
| | | | | , ⊨ | вс= | | | | 15 | | | |
| | | | F | 8 IQ | | 96 | 54 | 47 | 10 | 0 | | |
| | | | + | = | BC= | | | | | | | |
| | | | | 9 IQ | | 96 | 62 | 46 | 18 | 0 | | |
| | | | | | | | | | 6 | | 1.90x10 ⁻⁸ | |
| | | | | + | | | | | 9 | | | |
| | | | | 10 1Q | | 97 | 51 | 43 | 13 | o | | |
| | | (1,1,1) | | | BC- | | | | 7 | | | |
| | 1 | | | 11 | | 93 | 57 | -48 | | | | ¥ 1 |
| | | | | | | | | | | | | Logged By: Reviewed By: |

|] | Stantec DRILLHOLE RECORD BH21-11 CLIENT Atlantic Mining NS Inc. PROJECT Geotechnical Investigation - Touquoy In-Pit Disposal LOCATION Middle Musquodobit, NS | | | | | | | | | METHC DATUM | PAGE <u>2</u> of <u>2</u> CT No. <u>121619250.5500</u> D <u>Wash Bore</u> <u>1</u> Geodetic | | |
|--|--|--|-------------|-------------|----------|-----------------------|-----------------------------------|-------------------------------|--|-----------------------------------|--|---|----------------------------|
| DATES DRILLED (mm-dd-yy) 10-10-21 to 10-12-2 | | | | | | _ | WATEI | R LEVEL | | | | INCLIN | . / AZ60 / 45 |
| (m | (LL) N | | | | | s | Fo YMBOLS AN | or abbreviation D TERMS US | IS, symbols an ED ON BORE | nd descriptions I EHOLE AND TE | refer to ST PIT REC | CORDS | WELL |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | LOST / BROKEN CORE | TOTAL CORE % | SOLID CORE % | R.Q.D. % | FRACTURE INDEX PER 1 m | DISCONTUNITY DIP wr.t. CORE AXIS | 10 ⁶⁸ HYDRAULIC 10 ⁶⁶ CONDUCTIVITY 10 ⁵⁶ k, m/sec. | CONSTRUCTION DETAILS |
| -35 -36 -37 | | Very poor to poor quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, medium grey to dark grey, occasional quartz/pyrite veins, ARGILITE with very thin to medium intermitent laminations of GREYWACKE | | | | -BC- -BC= =BC= | 8 8 9 8 | <u>8 6 9 8 8</u> 57: | 280 240 240 240 240 240 240 240 240 240 24 | | 0.000 | | |
| -38 39 40 40 | | - drilling sub-parallel to foliation/bedding. (continued) | | | | =BC= [BC] | 95 | 59: | .50 | 6 .4 .6 | 0 | 4.40x10 ^{.9} | |
| -41 -42 -42 -43 | 81.46 | | | | 13 HQ | =BC= | 99: | 49: | .45 | 10. C | λ | | |
| -44 45 46 46 | | Poor to fair quality, slightly weathered to fresh, fine grained, massive texture, dark grey, occasional quartz/pyrite veins, ARGILITE | | | 14 HQ | | 97 | 57 | 50 | 11: | 0 | | |
| -47 -48 -49 -49 | | | | | 15 HQ | =BC= | 97 | .70: | 60 | 12 9 12 | 0 D | | |
| -50 -51 -52 | | | | | 16 HQ | =BC= | 98: | 50: | 36 | 13 14: 14: | 0 | 5.00x10 ⁻⁹ | |
| -53 -54 -55 | | | | | 17 HQ | -BC- | 98. | 61. | 50 | 9 13 8 | 0 | | |
| -56 57 58 | | | | | 18 HQ | =BC= | 88 | 74 | 70 | 6 3 3 | o | 3.00x10 ⁻⁹ | |
| -59 60 61 61 | 65.91 | | | | 19 HQ | =BC= | 92 | 59 | 47 | 12: | | | |
| -62 -63 -64 -64 -65 | | End of Borehole | | | | | | | | | | | |
| 66 67 67 68 68 69 69 70 | | | | | | | | | | | | | |
| -70 | | | | | | | | | | | | | Logged By: Reviewed By: |

| PROJECT | Y |
|--|---|
| Integration Integration Integration Integration Image: Construction Image: Construction Image: Construction Image: Constructio | × |
| LITHOLOGICAL DESCRIPTION LITHOLOGICAL DESCR | N |
| 0 110.13 0 110.13 | |
| 0 110.13 0 110.13 | |
| | E |
| | |
| 4 4 5 105.07 GREYWACKE with very thin to medium intermitent laminations of the lamination o | |
| | |
| Fair quality, fresh, fine grained, massive to foliated texture, occasionally laminated to medium bands of quartz and shale, dark $\begin{bmatrix} 2 \\ HQ \end{bmatrix}$ $\begin{bmatrix} BC \\ 100 \\ 80 \end{bmatrix}$ $\begin{bmatrix} 2 \\ HQ \end{bmatrix}$ $\begin{bmatrix} 100 \\ 80 \end{bmatrix}$ $\begin{bmatrix} 80 \\ 75 \end{bmatrix}$ $\begin{bmatrix} 2 \\ 8 \end{bmatrix}$ | |
| Poor to good quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, | |
| occasional quartz veins, GREYWACKE with very thin to medium intermitent laminations of ARGILITE/SHALE $\begin{array}{c}3\\HQ\\=BC=\end{array}$ | |
| | |
| | |
| $\overset{13}{=}$ | |
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| | |
| $ \begin{array}{c} \bullet \\ \bullet $ | |
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| $ \begin{array}{c} 1 \\ 19 \\ 19 \\ 19 \\ 19 \\ 19 \\ 19 \\ 19 \\$ | |
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| =BC= | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
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| | |
| $=BC=\begin{bmatrix} & & & & & & & & & & & & & & & & & & &$ | |
| | |
| | |
| 30- 10 HQ 93 77 67 77 67 77 67 77 67 77 67 77 67 77 10 10 10 10 10 10 10 10 10 10 | |
| | |
| $ \begin{array}{c} 33 \\ 33 \\ 34 \\ 34 \end{array} $ | |
| $ \begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1$ | |
| | |
| Logged By Reviewed By | |

| | S CLIEN PROJE | CT Geotechnical Investigation - Touq | | | | | | | | RD | | | 3H21- | | METHOI | PAGE <u>2</u> of <u>2</u> T No. <u>121619250.5500</u> Wash Bore |
|--|----------------------------|---|---|-------------|----------|-----------------------|---------------------------------------|--------------------------|---------------------------------------|--------------------|---|--------------|---|--|--|---|
| | OCA | | ELEVATION: 110.133 m 10-24-21 WATER LEVEL 1.86m 1-24-22 | | | | DATUM | Geodetic / AZ90 / N/A | | | | | | | | |
| | JAIL | TES DRILLED (mm-dd-yy) 10-22-21 to 10-24-21 WATER LEVEL 1.86m 1-24-22 INCLI NOTE: For abbreviations, symbols and descriptions refer to SYMBOLS AND TERMS USED ON BOREHOLE AND TEST PIT RECORDS | | | | | | | | / AL | | | | | | |
| DEPTH (m) | ELEVATION (m) | LITHOLOGICAL DESCRIPTION | STRATA PLOT | WATER LEVEL | RUN NO. | | | | | VERY | | R.Q.D. | | | | WELL CONSTRUCTION DETAILS |
| | ELE | | - | | RI | LOST / BROKEN CORE | 0 | OTA CORE % | = | SOLID CORE % | | 8 9 8 8 % | 5 10 15 15 16 10 10 10 10 20 20 20 | 15 30 DISCONTUNITY 45 DIP w.r.t. 60 CORE AXIS 75 | 0 ³ HYDRAULIC 0 ⁶ CONDUCTIVITY 10 ⁶ k, m/sec. | |
| -35 -36 -37 -37 | | Poor to good quality, slightly weathered to fresh, fine to medium grained, massive to foliated texture, light grey to dark grey, occasional quartz veins, GREYWACKE with very thin to medium intermitent laminations of ARGILITE/SHALE (continued) | | | 12 HQ | | | 100 | | | | 83 | .5. .4. .3. | | | |
| -38 -39 -40 -40 | 69.09 | | | | 13 HQ | | | 91 | • | :67 | | 52 | 6 7 4 | 0 | 5.50x10 | |
| -41 42 - 42 43 | | End of Borehole | | | | | | | | | | | | | | |
| -44 -44 -45 | | | | | | | | | | | | | | | | |
| -46 | | | | | | | | | | | | | | | | |
| -48 49 | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| -50 51 51 | | | | | | | | | | | | | | | | |
| -52 53 53 54 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| -57 - -58 | | | | | | | | | | | | | | | | |
| -59 | | | | | | | | | | | | | | | | |
| -61 62 63 | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| -64 | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| -66 | | | | | | | | | | | | | | | | |
| -54 appropriate the second | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| -70 = | | | | | | <u> </u> | L : | | :1 | _:::: | ; | | 1:::: | 1;;;;; | <u></u> | E Logged By: Reviewed By: |

FACTUAL DATA REPORT. HYDROGEOLOGICAL SITE INVESTIGATION, TOUQUOY IN-PIT TAILINGS DISPOSAL

C.3 BEDROCK CORE PHOTOGRAPHIC LOGS





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 1 | |
|--------------------------------------|--|
| Borehole ID: BH21-01 | |
| Depth from (m): 4.00 | |
| Depth to (m): 11.88 | |
| Core Runs: 1-3 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 3 | |
|--------------------------------------|----------|
| Borehole ID: BH21-01 | |
| Depth from (m): 11.88 | LSUX No. |
| Depth to (m): 19.98 | Riter Wa |
| Core Runs: 3-6 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |

| Photograph ID: 4 | |
|--------------------------------------|-------|
| Borehole ID: BH21-01 | |
| Depth from (m): 11.88 | BOXNE |
| Depth to (m): 19.98 | |
| Core Runs: 3-6 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 5 | |
|--------------------------------------|-------------|
| Borehole ID: BH21-01 | |
| Depth from (m): 19.98 | BOX Not the |
| Depth to (m): 28.37 | |
| Core Runs: 6-8 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 6 | |
|--------------------------------------|------|
| Borehole ID: BH21-01 | |
| Depth from (m): 19.98 | BOXN |
| Depth to (m): 28.37 | |
| Core Runs: 6-8 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| - |
|---------|
| |
| BOX N-2 |
| |
| |
| |
| |
| _ |

| Photograph ID: 8 | |
|--------------------------------------|-----------|
| Borehole ID: BH21-01 | |
| Depth from (m): 28.37 | BOX Noted |
| Depth to (m): 36.79 | |
| Core Runs: 8-11 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 9 | |
|--------------------------------------|--|
| Borehole ID: BH21-01 | |
| Depth from (m): 36.79 | |
| Depth to (m): 44.52 | |
| Core Runs: 11-13 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 11 | |
|--------------------------------------|-------|
| Borehole ID: BH21-01 | |
| Depth from (m): 44.52 | |
| Depth to (m): 48.57 | BOXNE |
| Core Runs: 13-15 | 46.8 |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 12 | |
|--------------------------------------|--------|
| Borehole ID: BH21-01 | |
| Depth from (m): 44.52 | BOX No |
| Depth to (m): 48.57 | Чбд |
| Core Runs: 13-15 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Borehole ID: | |
|--------------------------------------|--|
| BH21-01 | |
| Depth from (m): 48.57 | |
| Depth to (m): 56.65 | |
| Core Runs: 15-18 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 15 | |
|--------------------------------------|-----------|
| Borehole ID: BH21-01 | |
| Depth from (m): 56.65 | BOX N. PP |
| Depth to (m): 61.00 | |
| Core Runs: 18-20 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 16 | |
|--------------------------------------|------------|
| Borehole ID: BH21-01 | |
| Depth from (m): 56.65 | |
| Depth to (m): 61.00 | No Picture |
| Core Runs: 18-20 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 17 | |
|--------------------------------------|--|
| Borehole ID: BH21-02 | |
| Depth from (m): 5.65 | |
| Depth to (m): 13.63 | |
| Core Runs: 1-3 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| Comments: | |

| Photograph ID: 18 | |
|--------------------------------------|-----|
| Borehole ID: BH21-02 | |
| Depth from (m): 5.65 | |
| Depth to (m): 13.63 | 257 |
| Core Runs: 1-3 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |

| Photograph ID: 19 | |
|--------------------------------------|--------|
| Borehole ID: BH21-02 | |
| Depth from (m): 13.63 | BOX N. |
| Depth to (m): 25.54 | |
| Core Runs: 3-6 | |
| Core Photograph Condition: Dry | |
| Comments: | |

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|---|



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Borehole ID: BH21-02 Depth from (m): | |
|--|-----------------------------|
| Depth from (m): | |
| 25.59 | |
| Depth to (m): 33.65 | |
| Core Runs: 6-9 | |
| Core Photograph Condition: Dry | IN-P IT TALLING DISPOSAL |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 23 | |
|--------------------------------------|--|
| Borehole ID: BH21-02 | |
| Depth from (m): 33.65 | |
| Depth to (m): 41.68 | |
| Core Runs: 9-12 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 25 | |
|--------------------------------------|--|
| Borehole ID: BH21-02 | |
| Depth from (m): 41.68 | BOX Nictionity |
| Depth to (m): 52.95 | |
| Core Runs: 12-16 | |
| Core Photograph Condition: Dry | |
| Comments: | and the second state of th |

| Photograph ID: 26 | |
|--------------------------------------|--|
| Borehole ID: BH21-02 | |
| Depth from (m): 41.68 | |
| Depth to (m): 52.95 | |
| Core Runs: 12-16 | |
| Core Photograph Condition: Wet | |
| Comments: | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

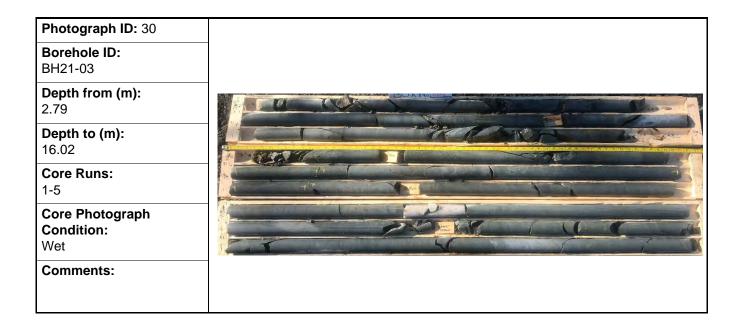
| Photograph ID: 27 | |
|--------------------------------------|------|
| Borehole ID: BH21-02 | |
| Depth from (m): 52.95 | BCKN |
| Depth to (m): 61.59 | |
| Core Runs: 16-18 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 29 | |
|--------------------------------------|--|
| Borehole ID: BH21-03 | |
| Depth from (m): 2.79 | |
| Depth to (m): 16.02 | |
| Core Runs: 1-5 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 31 | |
|--------------------------------------|------------|
| Borehole ID: BH21-03 | |
| Depth from (m): 16.02 | BOX Notice |
| Depth to (m): 28.81 | |
| Core Runs: 5-9 | |
| Core Photograph Condition: Dry | 1105m |
| Comments: | |
| | |





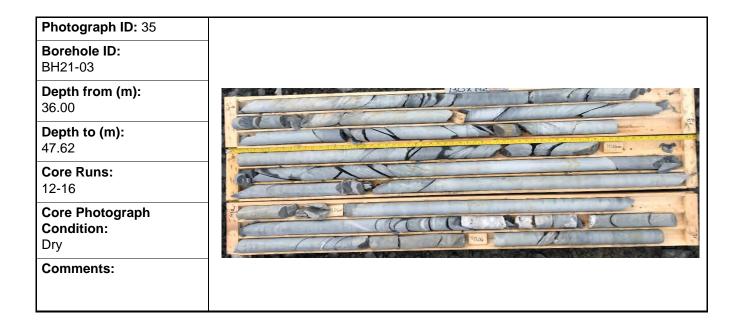
| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |

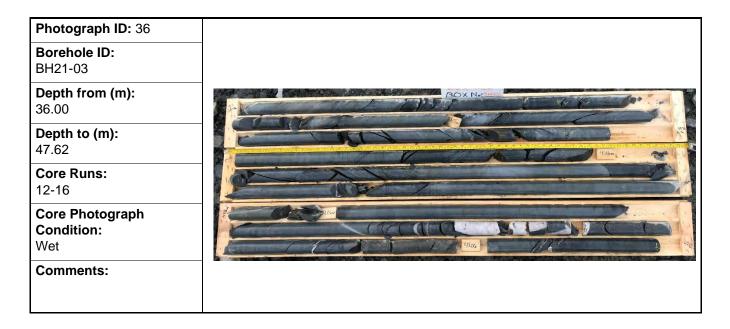
| Photograph ID: 33 | |
|--------------------------------------|--|
| Borehole ID: BH21-03 | |
| Depth from (m): 28.81 | |
| Depth to (m): 36.00 | |
| Core Runs: 9-12 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| Comments: | |

| Photograph ID: 34 | |
|--------------------------------------|--|
| Borehole ID: BH21-03 | |
| Depth from (m): 28.81 | |
| Depth to (m): 36.00 | |
| Core Runs: 9-12 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

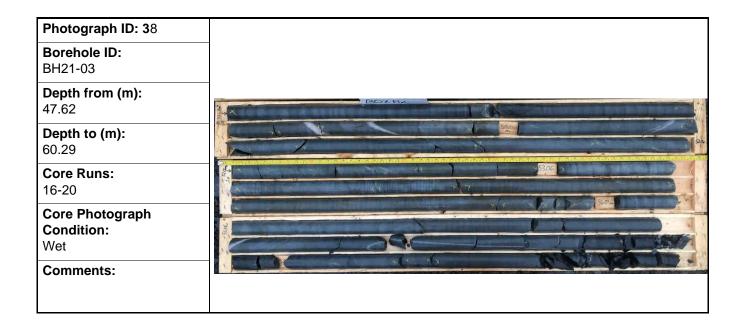






| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 37 | |
|--------------------------------------|-------------|
| Borehole ID: BH21-03 | |
| Depth from (m): 47.62 | BOX N. PILT |
| Depth to (m): 60.29 | |
| Core Runs: 16-20 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 39 | |
|--------------------------------------|-------------|
| Borehole ID: BH21-03 | |
| Depth from (m): 60.29 | BOX Noteman |
| Depth to (m): 72.38 | |
| Core Runs: 20-24 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 40 | |
|--------------------------------------|--|
| Borehole ID: BH21-03 | |
| Depth from (m): 60.29 | |
| Depth to (m): 72.38 | |
| Core Runs: 20-24 | |
| Core Photograph Condition: Wet | |
| Comments: | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |

| Photograph ID: 41 | |
|--------------------------------------|--------|
| Borehole ID: BH21-03 | |
| Depth from (m): 72.38 | |
| Depth to (m): 85.00 | |
| Core Runs: 24-28 | |
| Core Photograph Condition: Dry | 83.00m |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

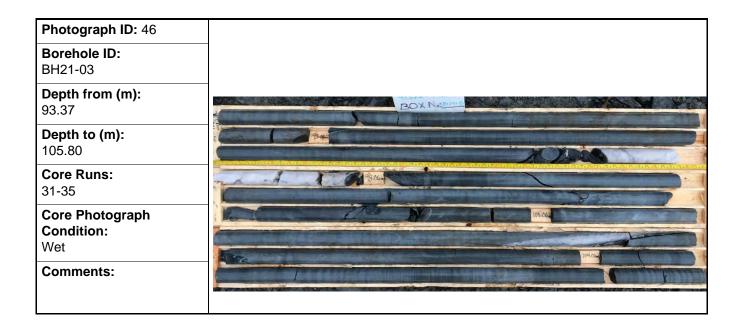
| Photograph ID: 43 | |
|--------------------------------------|---------|
| Borehole ID: BH21-03 | |
| Depth from (m): 85.00 | |
| Depth to (m): 93.37 | 97.64 B |
| Core Runs: 28-31 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: Atlantic Mining NS Inc. Project | In-Pit Tailings Disposal Invest. |
|---|----------------------------------|
| Site Name: Touquoy Gold Project Site Lo | cation: Middle Musquodobit, NS |

| Photograph ID: 45 | |
|--------------------------------------|--------|
| Borehole ID: BH21-03 | |
| Depth from (m): 93.37 | BOX N. |
| Depth to (m): 105.80 | |
| Core Runs: 31-35 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 47 | |
|--------------------------------------|--|
| Borehole ID: BH21-03 | |
| Depth from (m): 105.80 | BOX Notes |
| Depth to (m): 118.15 | |
| Core Runs: 35-39 | |
| Core Photograph Condition: Dry | Julice Control of the second sec |
| Comments: | |
| | |

| Photograph ID: 48 | |
|--------------------------------------|-------|
| Borehole ID: BH21-03 | |
| Depth from (m): 105.80 | BOX N |
| Depth to (m): 118.15 | |
| Core Runs: 35-39 | |
| Core Photograph Condition: Wet | |
| Comments: | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 49 | |
|--------------------------------------|---|
| Borehole ID: BH21-03 | |
| Depth from (m): 118.15 | Cold Diamana and Diaman |
| Depth to (m): 120.15 | |
| Core Runs: 39-40 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 50 | |
|--------------------------------------|--|
| Borehole ID: BH21-03 | |
| Depth from (m): 118.15 | |
| Depth to (m): 120.15 | |
| Core Runs: 39-40 | an a |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 51 | |
|--------------------------------------|----------------|
| Borehole ID: BH21-04 | |
| Depth from (m): 3.30 | SEPT 30 / 2021 |
| Depth to (m): 11.90 | |
| Core Runs: 1-4 | |
| Core Photograph Condition: Dry | 1/4 (9/5/7) |
| Comments: | |
| | |

| Photograph ID: 52 Borehole ID: BH21-04 | |
|--|------------|
| Depth from (m): 3.30 | |
| Depth to (m): 11.90 | No Disture |
| Core Runs: 1-4 | No Picture |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 53 | |
|--------------------------------------|----|
| Borehole ID: BH21-04 | |
| Depth from (m): 11.90 | |
| Depth to (m): 17.40 | НА |
| Core Runs: 4-5 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 54 | |
|--------------------------------------|--|
| Borehole ID: BH21-04 | |
| Depth from (m): 11.90 | |
| Depth to (m): 17.40 | |
| Core Runs: 4-5 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 55 | |
|--------------------------------------|--|
| Borehole ID: BH21-04 | |
| Depth from (m): 17.40 | |
| Depth to (m): 21.50 | |
| Core Runs: 6-7 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 56 | |
|--------------------------------------|--------|
| Borehole ID: BH21-04 | |
| Depth from (m): 17.40 | |
| Depth to (m): 21.50 | Taplar |
| Core Runs: 6-7 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Borehole ID: | |
|--------------------------------------|---------|
| BH21-04 | |
| Depth from (m): 21.50 | BOX No. |
| Depth to (m): 27.10 | |
| Core Runs: 7-9 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 58 | |
|--------------------------------------|------------|
| Borehole ID: BH21-04 | |
| Depth from (m): 21.50 | LSUX No.5_ |
| Depth to (m): 27.10 | |
| Core Runs: 7-9 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 59 | |
|--------------------------------------|--|
| Borehole ID: BH21-04 | |
| Depth from (m): 27.10 | |
| Depth to (m): 36.30 | |
| Core Runs: 9-12 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |

| Photograph ID: 60 | |
|--------------------------------------|----------|
| Borehole ID: BH21-04 | |
| Depth from (m): 27.10 | DOX Must |
| Depth to (m): 36.30 | |
| Core Runs: 9-12 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 61 | |
|--------------------------------------|--|
| Borehole ID: BH21-04 | |
| Depth from (m): 36.30 | BOX No course of the second seco |
| Depth to (m): 50.40 | |
| Core Runs: 12-17 | 4457 4457 |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |

| Photograph ID: 62 | |
|--------------------------------------|---------------|
| Borehole ID: BH21-04 | |
| Depth from (m): 36.30 | BOX No detail |
| Depth to (m): 50.40 | |
| Core Runs: 12-17 | 91.9 (1.5) |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 63 | |
|--------------------------------------|--|
| Borehole ID: BH21-04 | |
| Depth from (m): 50.40 | |
| Depth to (m): 58.20 | |
| Core Runs: 17-20 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Borehole ID: BH21-04 | |
|--------------------------------------|------|
| Depth from (m): 58.20 | |
| Depth to (m): 60.40 | |
| Core Runs: 20-21 | Con- |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 66 | |
|--------------------------------------|--|
| Borehole ID: BH21-04 | |
| Depth from (m): 58.20 | |
| Depth to (m): 60.40 | |
| Core Runs: 20-21 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Borehole ID: BH21-05 Depth from (m): 5.72 Depth to (m): 15.10 Core Runs: 10 | |
|---|---|
| 5.72 Depth to (m): 15.10 Core Runs: | |
| 15.10 Core Runs: | A Stall a |
| | |
| 1-3 | |
| Core Photograph Condition: Dry | And |
| Comments: | 1 med |

| Photograph ID: 68 | |
|--------------------------------------|--|
| Borehole ID: BH21-05 | |
| Depth from (m): 5.72 | |
| Depth to (m): 15.10 | |
| Core Runs: 1-3 | |
| Core Photograph Condition: Wet | |
| Comments: | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| BOX No. |
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| BOX Not |
| Las All |
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| |
| |

| Photograph ID: 70 | |
|--------------------------------------|--|
| Borehole ID: BH21-05 | |
| Depth from (m): 15.10 | |
| Depth to (m): 22.10 | |
| Core Runs: 3-6 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 71 | |
|--------------------------------------|----------------|
| Borehole ID: BH21-05 | |
| Depth from (m): 22.10 | |
| Depth to (m): 25.43 | |
| Core Runs: 6-7 | BH21-05 BHV 17 |
| Core Photograph Condition: Dry | |
| Comments: | |

| _ |
|---|



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 73 | |
|--------------------------------------|---------------|
| Borehole ID: BH21-05 | |
| Depth from (m): 25.43 | BOXING COXING |
| Depth to (m): 32.11 | |
| Core Runs: 8-10 | |
| Core Photograph Condition: Dry | |
| Comments: | |

| Photograph ID: 74 | |
|--------------------------------------|--|
| Borehole ID: BH21-05 | |
| Depth from (m): 25.43 | |
| Depth to (m): 32.11 | |
| Core Runs: 8-10 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |

| Photograph ID: 75 | |
|--------------------------------------|-----------|
| Borehole ID: BH21-05 | |
| Depth from (m): 32.11 | BOX Notes |
| Depth to (m): 42.32 | |
| Core Runs: 10-13 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

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| BOX Neture |
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| _ |

| Photograph ID: 78 | |
|--------------------------------------|------------|
| Borehole ID: BH21-05 | |
| Depth from (m): 42.32 | BOX NELLER |
| Depth to (m): 48.80 | |
| Core Runs: 13-15 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |

| Photograph ID: 79 | |
|--------------------------------------|----------|
| Borehole ID: BH21-05 | |
| Depth from (m): 48.80 | BOX NELL |
| Depth to (m): 59.73 | |
| Core Runs: 15-19 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 81 | |
|--------------------------------------|-------------|
| Borehole ID: BH21-06 | |
| Depth from (m): 5.05 | |
| Depth to (m): 14.05 | BUESN BUESN |
| Core Runs: 1-3 | |
| Core Photograph Condition: Dry | |
| Comments: | |
| Dry | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |

| Photograph ID: 83 | |
|--------------------------------------|-----------|
| Borehole ID: BH21-06 | |
| Depth from (m): 14.05 | 1.62m |
| Depth to (m): 25.66 | Box 3-4-5 |
| Core Runs: 4-7 | |
| Core Photograph Condition: Dry | |
| Comments: | 250 |

| Photograph ID: 84 | |
|--------------------------------------|-----------|
| Borehole ID: BH21-06 | |
| Depth from (m): 14.05 | 52m 3.4.5 |
| Depth to (m): 25.66 | |
| Core Runs: 4-7 | |
| Core Photograph Condition: Wet | 264 |
| Comments: | 25 |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Borehole ID: BH21-06 | |
|--------------------------------------|------------|
| Depth from (m): 25.66 | PLOS No. 1 |
| Depth to (m): 33.68 | |
| Core Runs: 7-10 | |
| Core Photograph Condition: Dry | |
| Comments: | |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 87 | |
|--------------------------------------|-----------|
| Borehole ID: BH21-06 | |
| Depth from (m): 33.68 | |
| Depth to (m): 41.45 | 30-4 |
| Core Runs: 10-13 | Alton Hus |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |

| Photograph ID: 88 | |
|--------------------------------------|---------------|
| Borehole ID: BH21-06 | |
| Depth from (m): 33.68 | BOX Notestand |
| Depth to (m): 41.45 | 3500 |
| Core Runs: 10-13 | 3804 |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |

| Photograph ID: 89 | |
|--------------------------------------|--|
| Borehole ID: BH21-06 | |
| Depth from (m): 41.45 | |
| Depth to (m): 49.10 | |
| Core Runs: 13-15 | Barris Borris Bo |
| Core Photograph Condition: Dry | |
| Comments: | |
| | |

| Photograph ID: 90 | |
|--------------------------------------|--|
| Borehole ID: BH21-06 | |
| Depth from (m): 41.45 | |
| Depth to (m): 49.10 | |
| Core Runs: 13-15 | |
| Core Photograph Condition: Wet | |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 91 | |
|--------------------------------------|--------------|
| Borehole ID: BH21-06 | |
| Depth from (m): 49.10 | POX N. |
| Depth to (m): 60.05 | |
| Core Runs: 15-17 | |
| Core Photograph Condition: Dry | |
| Comments: | CO.SA EOR |

| Photograph ID: 92 | |
|--------------------------------------|----------------------------|
| Borehole ID: BH21-06 | |
| Depth from (m): 49.10 | |
| Depth to (m): 60.05 | |
| Core Runs: 15-17 | |
| Core Photograph Condition: Wet | 57.05. (405%) (206%) |
| Comments: | IN-PIT (|
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 93 | |
|--------------------------------------|--------------|
| Borehole ID: BH21-07 | |
| Depth from (m): 7.80 | |
| Depth to (m): 19.00 | |
| Core Runs: 1-4 | |
| Core Photograph Condition: Dry | 19.0m E al 2 |
| Comments: | |
| | |

| Photograph ID: 94 | |
|--------------------------------------|--|
| Borehole ID: BH21-07 | |
| Depth from (m): 7.80 | |
| Depth to (m): 19.00 | 121619250 140M TO19 TOLQUOY MINE |
| Core Runs: 1-4 | 12/6/19250 14/04 TO 18 TOUGUOY MINE BH 21-07 IN-PIT THILING BOX 2 DISPOSAL |
| Core Photograph Condition: Wet | Dilas. |
| Comments: | |
| | |



| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Photograph ID: 95 | |
|--------------------------------------|-------------------------|
| Borehole ID: BH21-07 | |
| Depth from (m): 19.00 | |
| Depth to (m): 34.80 | 72.8. 22.8. 22.8. |
| Core Runs: 4-9 | 25.8 |
| Core Photograph Condition: Dry | 288- 288- 318- |
| Comments: | 371.8,4 |





| Client: | Atlantic Mining NS Inc. | Project: | In-Pit Tailings Disposal Invest. |
|------------|-------------------------|----------------|----------------------------------|
| Site Name: | Touquoy Gold Project | Site Location: | Middle Musquodobit, NS |
| | | | |

| Borehole ID: BH21-07 | |
|--------------------------------------|---|
| Douth from (m): | |
| Depth from (m): 34.80 | |
| Depth to (m): 40.80 | 372. 1216 19 252, 134: (-07-) (0x - |
| Core Runs: 9-11 | |
| Core Photograph Condition: Dry | on Let 9m Echt |
| Comments: | |

