



January 11, 2021

**Via Electronic Mail**

Stephanie Fancher-English  
Loveland Ready-Mix Concrete, Inc.  
644 N Namaqua Avenue  
Loveland, Colorado 80537

**Subject: Loveland Ready-Mix Concrete, Inc. (LRM)  
Knox Pit Permit No. M-2017-036 - Q4 2020 Water Quality Results**

Dear Stephanie:

Please find attached 4th Quarter 2020 groundwater quality data for LRM Knox Pit Permit No. M2017-036. Figure 1 displays sample locations (wells) MW-06, MW-10, MW-12, MW-13, and MW-19. Analytical Laboratory Services – Fort Collins (ALS), conducted the laboratory analysis. Attachment 1 summarizes the 4th Quarter 2020 laboratory results, and Attachment 2 provides the ALS lab report.

Attachment 1 compares recent sample water quality data to CDPHE WQCC Regulation 41: Basic Standards for Groundwater. All parameters are below standards except for uranium in wells MW-6 and MW-10, both of which have exhibited uranium slightly above standards, and remain consistent with past readings. All 4<sup>th</sup> Quarter 2020 samples are consistent with previous concentration levels from previous sampling events.

Please feel free to contact me at (970) 484 7704 or via email at [tgerken@telesto-inc.com](mailto:tgerken@telesto-inc.com) if you have any questions or comments concerning this submittal.

Sincerely,

A handwritten signature in dark ink that reads "Tim Gerken". The signature is written in a cursive, flowing style.

***Telesto Solutions, Inc.***

Tim Gerken  
Staff Geologist

TJG:wln  
Enclosure  
cc: wln

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**Colorado Office (Corporate)**

750 14<sup>th</sup> Street SW  
Loveland, Colorado 80537  
970-484-7704 / 970-484-7789 (FAX)

**Grand Junction**

751 Horizon Court, Suite 109  
Grand Junction, Colorado 81506  
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Silver City, New Mexico 88061  
575-538-5620 / 575-538-5625 (FAX)

To: S. Fancher-English

Date: 1/11/2020

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## REFERENCES

Telesto. 2019. *Knox Pit Baseline Water Quality Report Evaluation Permit No. M-2017-036*. Telesto Solutions, Inc., Loveland, Colorado. December 2019.

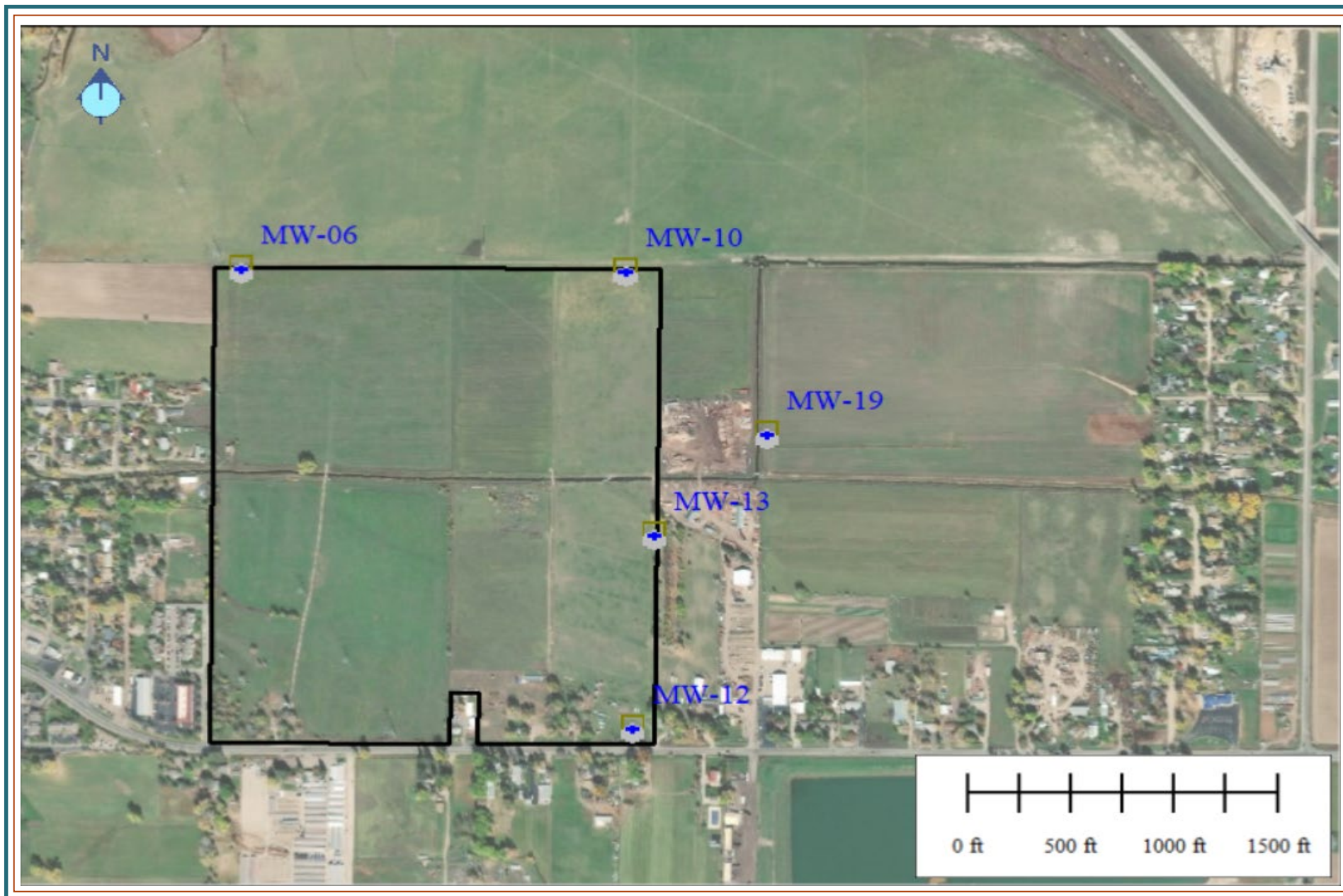


Figure 1  
LRM - Knox Pit (M2017-036) – Compliance Well Locations

**Attachment 1**  
4th Quarter 2020 –  
Knox Pit Groundwater Quality Summary  
Results Table

| Sampling Location: MW-06 | Sample Date    | 12/9/2020 |           | Knox Pit M2017-036 |                          |
|--------------------------|----------------|-----------|-----------|--------------------|--------------------------|
|                          | Sample Type    | Primary   |           |                    |                          |
|                          | Depth to Water | 5.6 feet  |           |                    |                          |
| Analyte List             | Value Units    | Total     | Dissolved | Detection Limit    | Water Quality Standard * |
| ALUMINUM                 | MG/L           | ND        | ND        | 0.1                | **5                      |
| ANTIMONY                 | MG/L           | ND        | ND        | 0.001              | 0.006                    |
| ARSENIC                  | MG/L           | ND        | ND        | 0.002              | 0.01                     |
| BARIUM                   | MG/L           | 0.036     | 0.037     | 0.005              | 2                        |
| BERYLLIUM                | MG/L           | ND        | ND        | 0.0005             | 0.004                    |
| BORON                    | MG/L           | ND        | ND        | 0.15               | **0.75                   |
| CADMIUM                  | MG/L           | ND        | ND        | 0.002              | 0.005                    |
| CHROMIUM                 | MG/L           | ND        | ND        | 0.01               | 0.1                      |
| COBALT                   | MG/L           | ND        | ND        | 0.005              | **0.05                   |
| COPPER                   | MG/L           | ND        | ND        | 0.02               | **0.2                    |
| CYANIDE, TOTAL           | MG/L           | ND        | --        | 0.005              | 0.2                      |
| FLUORIDE                 | MG/L           | 0.58      | --        | 0.1                | 4                        |
| IRON                     | MG/L           | ND        | ND        | 0.1                | **5                      |
| LEAD                     | MG/L           | ND        | ND        | 0.002              | 0.05                     |
| LITHIUM                  | MG/L           | 0.024     | 0.023     | 0.02               | **2.5                    |
| MANGANESE                | MG/L           | ND        | ND        | 0.005              | **0.2                    |
| MERCURY                  | MG/L           | ND        | ND        | 0.0002             | 0.002                    |
| MOLYBDENUM               | MG/L           | 0.0059    | 0.065     | 0.002              | 0.21                     |
| NICKEL                   | MG/L           | ND        | ND        | 0.02               | 0.1                      |
| NITRATE/NITRITE AS N     | MG/L           | 1.5       | --        | 0.02               | 10                       |
| PH                       | PH             | 7.48      | --        | 0.1                | **6.5-8.5                |
| SELENIUM                 | MG/L           | 0.018     | 0.018     | 0.01               | 0.05                     |
| SILVER                   | MG/L           | ND        | ND        | 0.0005             | 0.05                     |
| THALLIUM                 | MG/L           | ND        | ND        | 0.0001             | 0.002                    |
| TOTAL DISSOLVED SOLIDS   | MG/L           | 2000      | --        | 20                 | ***                      |
| URANIUM                  | MG/L           | 0.037     | 0.037     | 0.0001             | 0.03                     |
| VANADIUM                 | MG/L           | ND        | ND        | 0.005              | **0.1                    |
| ZINC                     | MG/L           | ND        | ND        | 0.1                | **2                      |

ND = Non-Detect

NM= Not Measured

\* Analytes tested are from Table 1, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

\*\* Table 3, WQCC Regulation 41

\*\*\* Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

| Sampling Location: MW-10 | Sample Date    | 12/9/2020 |           | 12/9/2020 |           | Knox Pit M2017-036 |                          |
|--------------------------|----------------|-----------|-----------|-----------|-----------|--------------------|--------------------------|
|                          | Sample Type    | Primary   |           | Duplicate |           |                    |                          |
|                          | Depth to Water | 3.37 feet |           | 3.35 feet |           |                    |                          |
| Analyte List             | Value Units    | Total     | Dissolved | Total     | Dissolved | Detection Limit    | Water Quality Standard * |
| ALUMINUM                 | MG/L           | ND        | ND        | ND        | ND        | 0.1                | **5                      |
| ANTIMONY                 | MG/L           | ND        | ND        | ND        | ND        | 0.001              | 0.006                    |
| ARSENIC                  | MG/L           | ND        | ND        | ND        | ND        | 0.002              | 0.01                     |
| BARIUM                   | MG/L           | 0.019     | 0.02      | 0.02      | 0.02      | 0.005              | 2                        |
| BERYLLIUM                | MG/L           | ND        | ND        | ND        | ND        | 0.0005             | 0.004                    |
| BORON                    | MG/L           | ND        | ND        | ND        | ND        | 0.15               | **0.75                   |
| CADMIUM                  | MG/L           | ND        | ND        | ND        | ND        | 0.002              | 0.005                    |
| CHROMIUM                 | MG/L           | ND        | ND        | ND        | ND        | 0.01               | 0.1                      |
| COBALT                   | MG/L           | ND        | ND        | ND        | ND        | 0.005              | **0.05                   |
| COPPER                   | MG/L           | ND        | ND        | ND        | ND        | 0.02               | **0.2                    |
| CYANIDE, TOTAL           | MG/L           | ND        | --        | ND        | --        | 0.015              | 0.2                      |
| FLUORIDE                 | MG/L           | 0.56      | --        | 0.057     | --        | 0.1                | 4                        |
| IRON                     | MG/L           | ND        | ND        | ND        | ND        | 0.1                | **5                      |
| LEAD                     | MG/L           | ND        | ND        | ND        | ND        | 0.002              | 0.05                     |
| LITHIUM                  | MG/L           | 0.028     | 0.027     | 0.028     | 0.027     | 0.02               | **2.5                    |
| MANGANESE                | MG/L           | ND        | ND        | ND        | ND        | 0.005              | **0.2                    |
| MERCURY                  | MG/L           | ND        | ND        | ND        | ND        | 0.0002             | 0.002                    |
| MOLYBDENUM               | MG/L           | 0.0028    | 0.0027    | 0.0029    | 0.0028    | 0.002              | 0.21                     |
| NICKEL                   | MG/L           | ND        | ND        | ND        | ND        | 0.02               | 0.1                      |
| NITRATE/NITRITE AS N     | MG/L           | 2         | --        | 1.3       | --        | 0.2                | 10                       |
| PH                       | PH             | 7.5       | --        | 7.49      | --        | 0.1                | **6.5-8.5                |
| SELENIUM                 | MG/L           | 0.011     | 0.011     | 0.011     | 0.011     | 0.01               | 0.05                     |
| SILVER                   | MG/L           | ND        | ND        | ND        | ND        | 0.0005             | 0.05                     |
| THALLIUM                 | MG/L           | ND        | ND        | ND        | ND        | 0.00015            | 0.002                    |
| TOTAL DISSOLVED SOLIDS   | MG/L           | 1100      | --        | 1300      | --        | 40                 | ***                      |
| URANIUM                  | MG/L           | 0.031     | 0.031     | 0.031     | 0.03      | 0.0001             | 0.03                     |
| VANADIUM                 | MG/L           | ND        | ND        | ND        | ND        | 0.005              | **0.1                    |
| ZINC                     | MG/L           | ND        | ND        | ND        | ND        | 0.1                | **2                      |

ND = Non-Detect      NM= Not Measured

\* Analytes tested are from Table 1, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

\*\* Table 3, WQCC Regulation 41

\*\*\* Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

| Sampling Location: MW-12 | Sample Date    | 12/9/2020 |           | Knox Pit M2017-036 |                          |
|--------------------------|----------------|-----------|-----------|--------------------|--------------------------|
|                          | Sample Type    | Primary   |           |                    |                          |
|                          | Depth to Water | 6.12 feet |           |                    |                          |
| Analyte List             | Value Units    | Total     | Dissolved | Detection Limit    | Water Quality Standard * |
| ALUMINUM                 | MG/L           | ND        | ND        | 0.1                | **5                      |
| ANTIMONY                 | MG/L           | ND        | ND        | 0.001              | 0.006                    |
| ARSENIC                  | MG/L           | ND        | ND        | 0.002              | 0.01                     |
| BARIUM                   | MG/L           | 0.034     | 0.034     | 0.005              | 2                        |
| BERYLLIUM                | MG/L           | ND        | ND        | 0.0005             | 0.004                    |
| BORON                    | MG/L           | ND        | ND        | 0.15               | **0.75                   |
| CADMIUM                  | MG/L           | ND        | ND        | 0.002              | 0.005                    |
| CHROMIUM                 | MG/L           | ND        | ND        | 0.01               | 0.1                      |
| COBALT                   | MG/L           | ND        | ND        | 0.005              | **0.05                   |
| COPPER                   | MG/L           | ND        | ND        | 0.02               | **0.2                    |
| CYANIDE, TOTAL           | MG/L           | ND        | --        | 0.005              | 0.2                      |
| FLUORIDE                 | MG/L           | 0.66      | --        | 0.1                | 4                        |
| IRON                     | MG/L           | ND        | ND        | 0.1                | **5                      |
| LEAD                     | MG/L           | ND        | ND        | 0.002              | 0.05                     |
| LITHIUM                  | MG/L           | ND        | ND        | 0.02               | **2.5                    |
| MANGANESE                | MG/L           | ND        | ND        | 0.005              | **0.2                    |
| MERCURY                  | MG/L           | ND        | ND        | 0.0002             | 0.002                    |
| MOLYBDENUM               | MG/L           | 0.0039    | 0.0041    | 0.002              | 0.21                     |
| NICKEL                   | MG/L           | ND        | ND        | 0.02               | 0.1                      |
| NITRATE/NITRITE AS N     | MG/L           | 0.17      | --        | 0.02               | 10                       |
| PH                       | PH             | 7.67      | --        | 0.1                | **6.5-8.5                |
| SELENIUM                 | MG/L           | ND        | ND        | 0.01               | 0.05                     |
| SILVER                   | MG/L           | ND        | ND        | 0.0005             | 0.05                     |
| THALLIUM                 | MG/L           | ND        | ND        | 0.0001             | 0.002                    |
| TOTAL DISSOLVED SOLIDS   | MG/L           | 470       | --        | 20                 | ***                      |
| URANIUM                  | MG/L           | 0.0035    | 0.0035    | 0.0001             | 0.03                     |
| VANADIUM                 | MG/L           | ND        | ND        | 0.005              | **0.1                    |
| ZINC                     | MG/L           | ND        | ND        | 0.1                | **2                      |

ND = Non-Detect

NM= Not Measured

\* Analytes tested are from Table 1, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

\*\* Table 3, WQCC Regulation 41

\*\*\* Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

| Sampling Location: MW-13 | Sample Date    | 12/9/2020 |           | Knox Pit M2017-036 |                          |
|--------------------------|----------------|-----------|-----------|--------------------|--------------------------|
|                          | Sample Type    | Primary   |           |                    |                          |
|                          | Depth to Water | 6.29 feet |           |                    |                          |
| Analyte List             | Value Units    | Total     | Dissolved | Detection Limit    | Water Quality Standard * |
| ALUMINUM                 | MG/L           | ND        | ND        | 0.1                | **5                      |
| ANTIMONY                 | MG/L           | ND        | ND        | 0.001              | 0.006                    |
| ARSENIC                  | MG/L           | ND        | ND        | 0.002              | 0.01                     |
| BARIUM                   | MG/L           | 0.033     | 0.031     | 0.005              | 2                        |
| BERYLLIUM                | MG/L           | ND        | ND        | 0.0005             | 0.004                    |
| BORON                    | MG/L           | ND        | ND        | 0.15               | **0.75                   |
| CADMIUM                  | MG/L           | ND        | ND        | 0.002              | 0.005                    |
| CHROMIUM                 | MG/L           | ND        | ND        | 0.01               | 0.1                      |
| COBALT                   | MG/L           | ND        | ND        | 0.005              | **0.05                   |
| COPPER                   | MG/L           | ND        | ND        | 0.02               | **0.2                    |
| CYANIDE, TOTAL           | MG/L           | ND        | --        | 0.005              | 0.2                      |
| FLUORIDE                 | MG/L           | 0.36      | --        | 0.1                | 4                        |
| IRON                     | MG/L           | ND        | ND        | 0.1                | **5                      |
| LEAD                     | MG/L           | ND        | ND        | 0.002              | 0.05                     |
| LITHIUM                  | MG/L           | ND        | ND        | 0.02               | **2.5                    |
| MANGANESE                | MG/L           | ND        | ND        | 0.005              | **0.2                    |
| MERCURY                  | MG/L           | ND        | ND        | 0.0002             | 0.002                    |
| MOLYBDENUM               | MG/L           | 0.0032    | 0.0032    | 0.002              | 0.21                     |
| NICKEL                   | MG/L           | ND        | ND        | 0.02               | 0.1                      |
| NITRATE/NITRITE AS N     | MG/L           | ND        | --        | 0.02               | 10                       |
| PH                       | PH             | 7.99      | --        | 0.1                | **6.5-8.5                |
| SELENIUM                 | MG/L           | ND        | ND        | 0.01               | 0.05                     |
| SILVER                   | MG/L           | ND        | ND        | 0.0005             | 0.05                     |
| THALLIUM                 | MG/L           | ND        | ND        | 0.0001             | 0.002                    |
| TOTAL DISSOLVED SOLIDS   | MG/L           | 140       | --        | 20                 | ***                      |
| URANIUM                  | MG/L           | 0.0011    | 0.0012    | 0.0001             | 0.03                     |
| VANADIUM                 | MG/L           | ND        | ND        | 0.005              | **0.1                    |
| ZINC                     | MG/L           | ND        | ND        | 0.1                | **2                      |

ND = Non-Detect

NM= Not Measured

\* Analytes tested are from Table 1, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

\*\* Table 3, WQCC Regulation 41

\*\*\* Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

| Sampling Location: MW-19 | Sample Date    | 12/9/2020 |           | Knox Pit M2017-036 |                          |
|--------------------------|----------------|-----------|-----------|--------------------|--------------------------|
|                          | Sample Type    | Primary   |           |                    |                          |
|                          | Depth to Water | 3.83 feet |           |                    |                          |
| Analyte List             | Value Units    | Total     | Dissolved | Detection Limit    | Water Quality Standard * |
| ALUMINUM                 | MG/L           | ND        | ND        | 0.1                | **5                      |
| ANTIMONY                 | MG/L           | ND        | ND        | 0.001              | 0.006                    |
| ARSENIC                  | MG/L           | ND        | ND        | 0.002              | 0.01                     |
| BARIUM                   | MG/L           | 0.039     | 0.038     | 0.005              | 2                        |
| BERYLLIUM                | MG/L           | ND        | ND        | 0.0005             | 0.004                    |
| BORON                    | MG/L           | ND        | ND        | 0.15               | **0.75                   |
| CADMIUM                  | MG/L           | ND        | ND        | 0.002              | 0.005                    |
| CHROMIUM                 | MG/L           | ND        | ND        | 0.01               | 0.1                      |
| COBALT                   | MG/L           | ND        | ND        | 0.005              | **0.05                   |
| COPPER                   | MG/L           | ND        | ND        | 0.02               | **0.2                    |
| CYANIDE, TOTAL           | MG/L           | ND        | --        | 0.005              | 0.2                      |
| FLUORIDE                 | MG/L           | 0.33      | --        | 0.1                | 4                        |
| IRON                     | MG/L           | 0.21      | ND        | 0.1                | **5                      |
| LEAD                     | MG/L           | ND        | ND        | 0.002              | 0.05                     |
| LITHIUM                  | MG/L           | ND        | ND        | 0.02               | **2.5                    |
| MANGANESE                | MG/L           | ND        | ND        | 0.005              | **0.2                    |
| MERCURY                  | MG/L           | ND        | ND        | 0.0002             | 0.002                    |
| MOLYBDENUM               | MG/L           | 0.0022    | 0.0023    | 0.002              | 0.21                     |
| NICKEL                   | MG/L           | ND        | ND        | 0.02               | 0.1                      |
| NITRATE/NITRITE AS N     | MG/L           | 0.053     | --        | 0.02               | 10                       |
| PH                       | PH             | 7.95      | --        | 0.1                | **6.5-8.5                |
| SELENIUM                 | MG/L           | ND        | ND        | 0.01               | 0.05                     |
| SILVER                   | MG/L           | ND        | ND        | 0.0005             | 0.05                     |
| THALLIUM                 | MG/L           | ND        | ND        | 0.0001             | 0.002                    |
| TOTAL DISSOLVED SOLIDS   | MG/L           | 88        | --        | 20                 | ***                      |
| URANIUM                  | MG/L           | 0.0014    | 0.0015    | 0.0001             | 0.03                     |
| VANADIUM                 | MG/L           | ND        | ND        | 0.005              | **0.1                    |
| ZINC                     | MG/L           | ND        | ND        | 0.1                | **2                      |

ND = Non-Detect

NM= Not Measured

\* Analytes tested are from Table 1, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

\*\* Table 3, WQCC Regulation 41

\*\*\* Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

**Attachment 2**  
4th Quarter 2020 –  
Knox Pit Groundwater Quality Lab  
Report



Monday, December 21, 2020

Tim Gerken  
Telesto Solutions Inc  
2950 E. Harmony Rd  
Fort Collins, CO 80525

Re: ALS Workorder: 2012205  
Project Name: LRM - Knox Pit - 12/2020  
Project Number: 360-100

Dear Mr. Gerken:

Twelve water samples were received from Telesto Solutions Inc, on 12/9/2020. The samples were scheduled for the following analyses:

Inorganics

Metals

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental  
Katie M. O'Brien  
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmental – Fort Collins |                                 |
|----------------------------------|---------------------------------|
| Accreditation Body               | License or Certification Number |
| Alaska (AK)                      | 17-003                          |
| Arizona (AZ)                     | AZ0742                          |
| California (CA)                  | 2926                            |
| Colorado (CO)                    | CO01099                         |
| Florida (FL)                     | E87914                          |
| Idaho (ID)                       | CO01099                         |
| Kansas (KS)                      | E-10381                         |
| Kentucky (KY)                    | 90137                           |
| PJ-LA (DoD ELAP/ISO 170250)      | 95377                           |
| Maryland (MD)                    | 285                             |
| Missouri (MO)                    | 175                             |
| Nebraska(NE)                     | NE-OS-24-13                     |
| Nevada (NV)                      | CO010992018-1                   |
| New York (NY)                    | 12036                           |
| North Dakota (ND)                | R-057                           |
| Oklahoma (OK)                    | 1301                            |
| Pennsylvania (PA)                | 68-03116                        |
| Tennessee (TN)                   | TN02976                         |
| Texas (TX)                       | T104704241                      |
| Utah (UT)                        | CO01099                         |
| Washington (WA)                  | C1280                           |



## 2012205

### **Metals:**

The samples were analyzed following SW-846, 3<sup>rd</sup> Edition procedures. Analysis by ICPMS followed method 6020B and the current revision of SOP 827. Mercury analysis by CVAA followed method 7470A and the current revision of SOP 812.

The samples for dissolved metals had been filtered prior to receipt.

All acceptance criteria were met.

### **Inorganics:**

The samples were analyzed following SW-846, EMSL and Standard Method procedures for the current revisions of the following SOPs and methods:

| <u>Analyte</u>       | <u>Method</u>           | <u>SOP #</u> |
|----------------------|-------------------------|--------------|
| Alkalinity           | SM2320B                 | 1106         |
| Bicarbonate          | SM2320B                 | 1106         |
| Carbonate            | SM2320B                 | 1106         |
| Total cyanide        | 9014                    | 1110         |
| Nitrate/nitrite as N | 353.2 Revision 2.0      | 1127         |
| pH                   | SM4500-H <sup>+</sup> B | 1126         |
| TDS                  | SM2540C                 | 1101         |
| Chloride             | 300.0 Revision 2.1      | 1113         |
| Fluoride             | 300.0 Revision 2.1      | 1113         |
| Nitrate as N         | 300.0 Revision 2.1      | 1113         |
| Nitrite as N         | 300.0 Revision 2.1      | 1113         |
| Sulfate              | 300.0 Revision 2.1      | 1113         |

All acceptance criteria were met.

# ALS -- Fort Collins

## Sample Number(s) Cross-Reference Table

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**OrderNum:** 2012205

**Client Name:** Telesto Solutions Inc

**Client Project Name:** LRM - Knox Pit - 12/2020

**Client Project Number:** 360-100

**Client PO Number:**

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| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|----------------------|-------------------|------------|--------|----------------|----------------|
| MW-06                | 2012205-1         |            | WATER  | 09-Dec-20      | 12:15          |
| MW-10                | 2012205-2         |            | WATER  | 09-Dec-20      | 13:25          |
| 02-MW-10             | 2012205-3         |            | WATER  | 09-Dec-20      | 13:30          |
| MW-13                | 2012205-4         |            | WATER  | 09-Dec-20      | 14:50          |
| MW-12                | 2012205-5         |            | WATER  | 09-Dec-20      | 15:20          |
| MW-19                | 2012205-6         |            | WATER  | 09-Dec-20      | 15:55          |
| MW-06                | 2012205-7         |            | WATER  | 09-Dec-20      | 12:15          |
| MW-10                | 2012205-8         |            | WATER  | 09-Dec-20      | 13:25          |
| 02-MW-10             | 2012205-9         |            | WATER  | 09-Dec-20      | 13:30          |
| MW-13                | 2012205-10        |            | WATER  | 09-Dec-20      | 14:50          |
| MW-12                | 2012205-11        |            | WATER  | 09-Dec-20      | 15:20          |
| MW-19                | 2012205-12        |            | WATER  | 09-Dec-20      | 15:55          |



# ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524  
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

## Chain-of-Custody

Turnaround time for samples received after 2 p.m. will be calculated beginning from the next business day.  
Turnaround time for samples received Saturday will be calculated beginning from the next business day.

|                    |                   |                                       |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
|--------------------|-------------------|---------------------------------------|-------------|-------------|--------------|--------------|----|---|---|------|---|---|---|---|---|---|---|-------------------|
| ALS WORKORDER #    |                   | 202205                                |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| PAGE               |                   | 1 of 3                                |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| DISPOSAL           |                   | BY LAB or RETURN                      |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| TURNAROUND TIME    |                   | SAMPLER                               |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| SITE ID            |                   | Tim Gesken                            |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| EDD FORMAT         |                   | PARAMETER/METHOD REQUEST FOR ANALYSIS |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| PURCHASE ORDER     |                   | A Wetchem                             |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| BILL TO COMPANY    |                   | B Metals                              |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| INVOICE ATTN TO    |                   | C Cyanide                             |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| ADDRESS            |                   | D No 2 + No 3                         |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| CITY / STATE / ZIP |                   | E                                     |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| PHONE              |                   | F                                     |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| FAX                |                   | G                                     |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| E-MAIL             |                   | H                                     |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
|                    |                   | I                                     |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
|                    |                   | J                                     |             |             |              |              |    |   |   |      |   |   |   |   |   |   |   |                   |
| LAB ID             | FIELD ID          | MATRIX                                | SAMPLE DATE | SAMPLE TIME | # OF BOTTLES | PRESERVATIVE | QC | A | B | C    | D | E | F | G | H | I | J | SEE NOTES SECTION |
| 1                  | MW-06-RAW         | W                                     | 12/9/20     | 12:15       | 2            | None         |    | X |   |      |   |   |   |   |   |   |   |                   |
|                    | MW-06-Filtered    |                                       |             | 12:15       | 1            | 2            |    |   | X | (CA) |   |   |   |   |   |   |   |                   |
|                    | MW-06-Unfiltered  |                                       |             | 12:15       | 1            | 2            |    |   | X |      |   |   |   |   |   |   |   |                   |
|                    | MW-06-Unfiltered  |                                       |             | 12:15       | 1            | NaOH         |    |   |   | X    |   |   |   |   |   |   |   |                   |
|                    | MW-06-Unfiltered  |                                       |             | 12:15       | 1            | H2SO4        |    |   |   | X    |   |   |   |   |   |   |   |                   |
| 2                  | MW-10-RAW         |                                       |             | 13:25       | 2            | None         |    | X |   |      |   |   |   |   |   |   |   |                   |
|                    | MW-10-Filtered    |                                       |             | 13:25       | 1            | 2            |    |   | X | (2)  |   |   |   |   |   |   |   |                   |
|                    | MW-10-Unfiltered  |                                       |             | 13:25       | 1            | 2            |    |   | X |      |   |   |   |   |   |   |   |                   |
|                    | MW-10-Unfiltered  |                                       |             | 13:25       | 1            | 4            |    |   |   | X    |   |   |   |   |   |   |   |                   |
|                    | MW-10-Unfiltered  |                                       |             | 13:25       | 1            | H2SO4        |    |   |   |      | X |   |   |   |   |   |   |                   |
| 3                  | 02-MW-10-RAW      |                                       |             | 13:30       | 2            | None         |    | X |   |      |   |   |   |   |   |   |   |                   |
|                    | 02-MW-10-Filtered |                                       |             | 13:30       | 1            | 2            |    |   | X | (2)  |   |   |   |   |   |   |   |                   |

Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

5 of 35

|                                                                     |                       |                        |                            |                                 |
|---------------------------------------------------------------------|-----------------------|------------------------|----------------------------|---------------------------------|
| REPORT LEVEL / QC REQUIRED                                          | Summary (Standard QC) | LEVEL II (Standard QC) | LEVEL III (Std QC + forms) | LEVEL IV (Std QC + forms + raw) |
| 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaOH/ZnAcetate 6-NaHSO4 7-4°C 8-Other |                       |                        |                            |                                 |

|                 |            |              |         |         |
|-----------------|------------|--------------|---------|---------|
| RELINQUISHED BY | SIGNATURE  | PRINTED NAME | DATE    | TIME    |
| Tim Gesken      | Tim Gesken | Tim Gesken   | 12/9/20 | 2:44 pm |
| RECEIVED BY     |            |              |         |         |
| RELINQUISHED BY |            |              |         |         |
| RECEIVED BY     |            |              |         |         |
| RELINQUISHED BY |            |              |         |         |
| RECEIVED BY     |            |              |         |         |







ALS Environmental - Fort Collins  
CONDITION OF SAMPLE UPON RECEIPT FORM

Client Name/ID:

Telesto

Workorder No:

2012205

Project Manager:

KMO

Initials:

TM

Date:

12/10/20

|                                                                                                                                        |                                                                                 |                                         |                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|
| 1. Are airbills / shipping documents present and/or removable?                                                                         | <input checked="" type="checkbox"/> Drop Off                                    | <input type="checkbox"/> YES            | <input type="checkbox"/> NO                                         |
| 2. Are custody seals on shipping containers intact?                                                                                    | <input checked="" type="checkbox"/> NONE                                        | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 3. Are custody seals on sample containers intact?                                                                                      | <input checked="" type="checkbox"/> NONE                                        | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 4. Is there a COC (chain-of-custody) present?                                                                                          | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.) | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 6. Are short-hold samples present?                                                                                                     | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO                                         |
| 7. Are all samples within holding times for the requested analyses?                                                                    | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 8. Were all sample containers received intact? (not broken or leaking)                                                                 | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 9. Is there sufficient sample for the requested analyses?                                                                              | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 10. Are samples in proper containers for requested analyses? (form 250, Sample Handling Guidelines)                                    | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO*                                        |
| 11. Are all aqueous samples preserved correctly, if required?                                                                          | <input type="checkbox"/> N/A                                                    | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO*                                        |
| 12. Were unpreserved samples pH checked, if required?                                                                                  | <input checked="" type="checkbox"/> N/A                                         | <input type="checkbox"/> YES            | <input type="checkbox"/> NO                                         |
| 13. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm in diameter?                              | <input checked="" type="checkbox"/> N/A                                         | <input type="checkbox"/> YES            | <input type="checkbox"/> NO                                         |
| 14. Were the samples shipped on ice?                                                                                                   | <input checked="" type="checkbox"/>                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> NO                                         |
| 15. Were cooler temperatures measured at 0.1 - 6.0°C?                                                                                  | IR gun used: <input type="checkbox"/> #3 <input checked="" type="checkbox"/> #5 | <input type="checkbox"/> Rad Only       | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

Cooler #: 1

Temperature (°C): 5.1

# of custody seals on cooler: 0

External mR/hr reading: -

Background mR/hr reading: 10

Were external mR/hr readings ≤ two times background and within DOT acceptance criteria? (If no, see Form 008)

☒ N/A ☐ YES ☐ NO

\* Please provide details below for 'NO' responses in gray boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.

All client bottle ID's vs ALS lab ID's double-checked by: TM

If applicable, was the client contacted? ☐ YES ☐ N/A Contact Name

Date:

Project Manager Signature / Date:

 12/10/20

## ALS -- Fort Collins

## SAMPLE SUMMARY REPORT

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-06  
**Legal Location:**  
**Collection Date:** 12/9/2020 12:15

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-1  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                               | Result        | Qual            | Report Limit | Units       | Dilution Factor              | Date Analyzed      |
|----------------------------------------|---------------|-----------------|--------------|-------------|------------------------------|--------------------|
| <b>Alkalinity as Calcium Carbonate</b> |               |                 |              |             |                              |                    |
|                                        |               | <b>SM2320B</b>  |              |             | Prep Date: <b>12/16/2020</b> | PrepBy: <b>LMC</b> |
| <b>BICARBONATE AS CaCO3</b>            | <b>250</b>    |                 | <b>20</b>    | <b>MG/L</b> | <b>1</b>                     | 12/16/2020         |
| CARBONATE AS CaCO3                     | ND            |                 | 20           | MG/L        | 1                            | 12/16/2020         |
| <b>TOTAL ALKALINITY AS CaCO3</b>       | <b>250</b>    |                 | <b>20</b>    | <b>MG/L</b> | <b>1</b>                     | 12/16/2020         |
| <b>Total Recoverable ICPMS Metals</b>  |               |                 |              |             |                              |                    |
|                                        |               | <b>SW6020</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                                 | ND            |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:44   |
| ALUMINUM                               | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:44   |
| ARSENIC                                | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:44   |
| BORON                                  | ND            |                 | 150          | UG/L        | 10                           | 12/16/2020 14:44   |
| <b>BARIUM</b>                          | <b>36</b>     |                 | <b>5</b>     | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| BERYLLIUM                              | ND            |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:44   |
| <b>CALCIUM</b>                         | <b>470000</b> |                 | <b>1000</b>  | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| CADMIUM                                | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:44   |
| COBALT                                 | ND            |                 | 5            | UG/L        | 10                           | 12/16/2020 14:44   |
| CHROMIUM                               | ND            |                 | 10           | UG/L        | 10                           | 12/16/2020 14:44   |
| COPPER                                 | ND            |                 | 20           | UG/L        | 10                           | 12/16/2020 14:44   |
| IRON                                   | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:44   |
| <b>POTASSIUM</b>                       | <b>5800</b>   |                 | <b>1000</b>  | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| <b>LITHIUM</b>                         | <b>24</b>     |                 | <b>20</b>    | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| <b>MAGNESIUM</b>                       | <b>26000</b>  |                 | <b>100</b>   | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| MANGANESE                              | ND            |                 | 10           | UG/L        | 10                           | 12/16/2020 14:44   |
| <b>MOLYBDENUM</b>                      | <b>5.9</b>    |                 | <b>2</b>     | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| <b>SODIUM</b>                          | <b>18000</b>  |                 | <b>1000</b>  | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| NICKEL                                 | ND            |                 | 20           | UG/L        | 10                           | 12/16/2020 14:44   |
| LEAD                                   | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:44   |
| ANTIMONY                               | ND            |                 | 1            | UG/L        | 10                           | 12/16/2020 14:44   |
| <b>SELENIUM</b>                        | <b>18</b>     |                 | <b>10</b>    | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| THALLIUM                               | ND            |                 | 0.15         | UG/L        | 10                           | 12/16/2020 14:44   |
| <b>URANIUM</b>                         | <b>37</b>     |                 | <b>0.1</b>   | <b>UG/L</b> | <b>10</b>                    | 12/16/2020 14:44   |
| VANADIUM                               | ND            |                 | 5            | UG/L        | 10                           | 12/16/2020 14:44   |
| ZINC                                   | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:44   |
| <b>Ion Chromatography</b>              |               |                 |              |             |                              |                    |
|                                        |               | <b>EPA300.0</b> |              |             | Prep Date: <b>12/10/2020</b> | PrepBy: <b>KJS</b> |
| <b>CHLORIDE</b>                        | <b>14</b>     |                 | <b>0.2</b>   | <b>MG/L</b> | <b>1</b>                     | 12/10/2020 12:35   |
| <b>FLUORIDE</b>                        | <b>0.58</b>   |                 | <b>0.1</b>   | <b>MG/L</b> | <b>1</b>                     | 12/10/2020 12:35   |
| <b>NITRATE AS N</b>                    | <b>1.4</b>    |                 | <b>0.2</b>   | <b>MG/L</b> | <b>1</b>                     | 12/10/2020 12:35   |
| NITRITE AS N                           | ND            |                 | 0.15         | MG/L        | 1                            | 12/10/2020 12:35   |
| <b>SULFATE</b>                         | <b>1100</b>   |                 | <b>12</b>    | <b>MG/L</b> | <b>12.5</b>                  | 12/11/2020 09:06   |
| <b>Mercury</b>                         |               |                 |              |             |                              |                    |
|                                        |               | <b>SW7470</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                                | ND            |                 | 0.0002       | MG/L        | 1                            | 12/16/2020 15:57   |
| <b>Nitrate/Nitrite as N</b>            |               |                 |              |             |                              |                    |
|                                        |               | <b>EPA353.2</b> |              |             | Prep Date: <b>12/17/2020</b> | PrepBy: <b>LMC</b> |
| <b>NITRATE/NITRITE AS N</b>            | <b>1.5</b>    |                 | <b>0.02</b>  | <b>MG/L</b> | <b>1</b>                     | 12/17/2020 13:51   |
| <b>pH</b>                              |               |                 |              |             |                              |                    |
|                                        |               | <b>SM4500-H</b> |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>KJS</b> |
| PH                                     | 7.48          |                 | 0.1          | pH          | 1                            | 12/14/2020         |
| <b>Total Cyanide</b>                   |               |                 |              |             |                              |                    |
|                                        |               | <b>SW9014</b>   |              |             | Prep Date: <b>12/11/2020</b> | PrepBy: <b>LMC</b> |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-06  
**Legal Location:**  
**Collection Date:** 12/9/2020 12:15

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-1  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result      | Qual           | Report<br>Limit | Units       | Dilution<br>Factor           | Date Analyzed      |
|-------------------------------|-------------|----------------|-----------------|-------------|------------------------------|--------------------|
| CYANIDE, TOTAL                | ND          |                | 0.015           | MG/L        | 1                            | 12/14/2020         |
| <b>Total Dissolved Solids</b> |             | <b>SM2540C</b> |                 |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>LMC</b> |
| <b>TOTAL DISSOLVED SOLIDS</b> | <b>2000</b> |                | <b>40</b>       | <b>MG/L</b> | <b>1</b>                     | <b>12/16/2020</b>  |

## ALS -- Fort Collins

## SAMPLE SUMMARY REPORT

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-10  
**Legal Location:**  
**Collection Date:** 12/9/2020 13:25

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-2  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                               | Result        | Qual            | Report Limit | Units       | Dilution Factor              | Date Analyzed      |
|----------------------------------------|---------------|-----------------|--------------|-------------|------------------------------|--------------------|
| <b>Alkalinity as Calcium Carbonate</b> |               |                 |              |             |                              |                    |
|                                        |               | <b>SM2320B</b>  |              |             | Prep Date: <b>12/16/2020</b> | PrepBy: <b>LMC</b> |
| <b>BICARBONATE AS CaCO3</b>            | <b>280</b>    |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| CARBONATE AS CaCO3                     | ND            |                 | 20           | MG/L        | 1                            | 12/16/2020         |
| <b>TOTAL ALKALINITY AS CaCO3</b>       | <b>280</b>    |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| <b>Total Recoverable ICPMS Metals</b>  |               |                 |              |             |                              |                    |
|                                        |               | <b>SW6020</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                                 | ND            |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:47   |
| ALUMINUM                               | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:47   |
| ARSENIC                                | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:47   |
| BORON                                  | ND            |                 | 150          | UG/L        | 10                           | 12/16/2020 14:47   |
| <b>BARIUM</b>                          | <b>19</b>     |                 | <b>5</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| BERYLLIUM                              | ND            |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:47   |
| <b>CALCIUM</b>                         | <b>340000</b> |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| CADMIUM                                | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:47   |
| COBALT                                 | ND            |                 | 5            | UG/L        | 10                           | 12/16/2020 14:47   |
| CHROMIUM                               | ND            |                 | 10           | UG/L        | 10                           | 12/16/2020 14:47   |
| COPPER                                 | ND            |                 | 20           | UG/L        | 10                           | 12/16/2020 14:47   |
| IRON                                   | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:47   |
| <b>POTASSIUM</b>                       | <b>3200</b>   |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| <b>LITHIUM</b>                         | <b>28</b>     |                 | <b>20</b>    | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| <b>MAGNESIUM</b>                       | <b>20000</b>  |                 | <b>100</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| MANGANESE                              | ND            |                 | 10           | UG/L        | 10                           | 12/16/2020 14:47   |
| <b>MOLYBDENUM</b>                      | <b>2.8</b>    |                 | <b>2</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| <b>SODIUM</b>                          | <b>21000</b>  |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| NICKEL                                 | ND            |                 | 20           | UG/L        | 10                           | 12/16/2020 14:47   |
| LEAD                                   | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:47   |
| ANTIMONY                               | ND            |                 | 1            | UG/L        | 10                           | 12/16/2020 14:47   |
| <b>SELENIUM</b>                        | <b>11</b>     |                 | <b>10</b>    | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| THALLIUM                               | ND            |                 | 0.15         | UG/L        | 10                           | 12/16/2020 14:47   |
| <b>URANIUM</b>                         | <b>31</b>     |                 | <b>0.1</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:47   |
| VANADIUM                               | ND            |                 | 5            | UG/L        | 10                           | 12/16/2020 14:47   |
| ZINC                                   | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:47   |
| <b>Ion Chromatography</b>              |               |                 |              |             |                              |                    |
|                                        |               | <b>EPA300.0</b> |              |             | Prep Date: <b>12/10/2020</b> | PrepBy: <b>KJS</b> |
| <b>CHLORIDE</b>                        | <b>17</b>     |                 | <b>0.2</b>   | <b>MG/L</b> | 1                            | 12/10/2020 12:48   |
| <b>FLUORIDE</b>                        | <b>0.56</b>   |                 | <b>0.1</b>   | <b>MG/L</b> | 1                            | 12/10/2020 12:48   |
| <b>NITRATE AS N</b>                    | <b>1.2</b>    |                 | <b>0.2</b>   | <b>MG/L</b> | 1                            | 12/10/2020 12:48   |
| NITRITE AS N                           | ND            |                 | 0.15         | MG/L        | 1                            | 12/10/2020 12:48   |
| <b>SULFATE</b>                         | <b>670</b>    |                 | <b>10</b>    | <b>MG/L</b> | 10                           | 12/10/2020 20:50   |
| <b>Mercury</b>                         |               |                 |              |             |                              |                    |
|                                        |               | <b>SW7470</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                                | ND            |                 | 0.0002       | MG/L        | 1                            | 12/16/2020 16:03   |
| <b>Nitrate/Nitrite as N</b>            |               |                 |              |             |                              |                    |
|                                        |               | <b>EPA353.2</b> |              |             | Prep Date: <b>12/17/2020</b> | PrepBy: <b>LMC</b> |
| <b>NITRATE/NITRITE AS N</b>            | <b>1.3</b>    |                 | <b>0.02</b>  | <b>MG/L</b> | 1                            | 12/17/2020 14:12   |
| <b>pH</b>                              |               |                 |              |             |                              |                    |
|                                        |               | <b>SM4500-H</b> |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>KJS</b> |
| PH                                     | 7.5           |                 | 0.1          | pH          | 1                            | 12/14/2020         |
| <b>Total Cyanide</b>                   |               |                 |              |             |                              |                    |
|                                        |               | <b>SW9014</b>   |              |             | Prep Date: <b>12/11/2020</b> | PrepBy: <b>LMC</b> |

**Client:** Telesto Solutions Inc **Date:** 21-Dec-20  
**Project:** 360-100 LRM - Knox Pit - 12/2020 **Work Order:** 2012205  
**Sample ID:** MW-10 **Lab ID:** 2012205-2  
**Legal Location:** **Matrix:** WATER  
**Collection Date:** 12/9/2020 13:25 **Percent Moisture:**

| Analyses                      | Result      | Qual           | Report<br>Limit | Units       | Dilution<br>Factor           | Date Analyzed      |
|-------------------------------|-------------|----------------|-----------------|-------------|------------------------------|--------------------|
| CYANIDE, TOTAL                | ND          |                | 0.015           | MG/L        | 1                            | 12/14/2020         |
| <b>Total Dissolved Solids</b> |             | <b>SM2540C</b> |                 |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>LMC</b> |
| <b>TOTAL DISSOLVED SOLIDS</b> | <b>1100</b> |                | <b>40</b>       | <b>MG/L</b> | <b>1</b>                     | <b>12/16/2020</b>  |

## ALS -- Fort Collins

## SAMPLE SUMMARY REPORT

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** 02-MW-10  
**Legal Location:**  
**Collection Date:** 12/9/2020 13:30

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-3  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                               | Result | Qual | Report Limit    | Units | Dilution Factor              | Date Analyzed      |
|----------------------------------------|--------|------|-----------------|-------|------------------------------|--------------------|
| <b>Alkalinity as Calcium Carbonate</b> |        |      |                 |       |                              |                    |
|                                        |        |      | <b>SM2320B</b>  |       | Prep Date: <b>12/16/2020</b> | PrepBy: <b>LMC</b> |
| <b>BICARBONATE AS CaCO3</b>            | 270    |      | 20              | MG/L  | 1                            | 12/16/2020         |
| CARBONATE AS CaCO3                     | ND     |      | 20              | MG/L  | 1                            | 12/16/2020         |
| <b>TOTAL ALKALINITY AS CaCO3</b>       | 270    |      | 20              | MG/L  | 1                            | 12/16/2020         |
| <b>Total Recoverable ICPMS Metals</b>  |        |      |                 |       |                              |                    |
|                                        |        |      | <b>SW6020</b>   |       | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                                 | ND     |      | 0.5             | UG/L  | 10                           | 12/16/2020 14:50   |
| ALUMINUM                               | ND     |      | 100             | UG/L  | 10                           | 12/16/2020 14:50   |
| ARSENIC                                | ND     |      | 2               | UG/L  | 10                           | 12/16/2020 14:50   |
| BORON                                  | ND     |      | 150             | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>BARIUM</b>                          | 20     |      | 5               | UG/L  | 10                           | 12/16/2020 14:50   |
| BERYLLIUM                              | ND     |      | 0.5             | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>CALCIUM</b>                         | 330000 |      | 1000            | UG/L  | 10                           | 12/16/2020 14:50   |
| CADMIUM                                | ND     |      | 2               | UG/L  | 10                           | 12/16/2020 14:50   |
| COBALT                                 | ND     |      | 5               | UG/L  | 10                           | 12/16/2020 14:50   |
| CHROMIUM                               | ND     |      | 10              | UG/L  | 10                           | 12/16/2020 14:50   |
| COPPER                                 | ND     |      | 20              | UG/L  | 10                           | 12/16/2020 14:50   |
| IRON                                   | ND     |      | 100             | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>POTASSIUM</b>                       | 3100   |      | 1000            | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>LITHIUM</b>                         | 28     |      | 20              | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>MAGNESIUM</b>                       | 20000  |      | 100             | UG/L  | 10                           | 12/16/2020 14:50   |
| MANGANESE                              | ND     |      | 10              | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>MOLYBDENUM</b>                      | 2.9    |      | 2               | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>SODIUM</b>                          | 21000  |      | 1000            | UG/L  | 10                           | 12/16/2020 14:50   |
| NICKEL                                 | ND     |      | 20              | UG/L  | 10                           | 12/16/2020 14:50   |
| LEAD                                   | ND     |      | 2               | UG/L  | 10                           | 12/16/2020 14:50   |
| ANTIMONY                               | ND     |      | 1               | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>SELENIUM</b>                        | 11     |      | 10              | UG/L  | 10                           | 12/16/2020 14:50   |
| THALLIUM                               | ND     |      | 0.15            | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>URANIUM</b>                         | 31     |      | 0.1             | UG/L  | 10                           | 12/16/2020 14:50   |
| VANADIUM                               | ND     |      | 5               | UG/L  | 10                           | 12/16/2020 14:50   |
| ZINC                                   | ND     |      | 100             | UG/L  | 10                           | 12/16/2020 14:50   |
| <b>Ion Chromatography</b>              |        |      |                 |       |                              |                    |
|                                        |        |      | <b>EPA300.0</b> |       | Prep Date: <b>12/10/2020</b> | PrepBy: <b>KJS</b> |
| <b>CHLORIDE</b>                        | 17     |      | 0.2             | MG/L  | 1                            | 12/10/2020 13:30   |
| <b>FLUORIDE</b>                        | 0.57   |      | 0.1             | MG/L  | 1                            | 12/10/2020 13:30   |
| <b>NITRATE AS N</b>                    | 1.2    |      | 0.2             | MG/L  | 1                            | 12/10/2020 13:30   |
| NITRITE AS N                           | ND     |      | 0.15            | MG/L  | 1                            | 12/10/2020 13:30   |
| <b>SULFATE</b>                         | 660    |      | 10              | MG/L  | 10                           | 12/10/2020 21:33   |
| <b>Mercury</b>                         |        |      |                 |       |                              |                    |
|                                        |        |      | <b>SW7470</b>   |       | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                                | ND     |      | 0.0002          | MG/L  | 1                            | 12/16/2020 16:06   |
| <b>Nitrate/Nitrite as N</b>            |        |      |                 |       |                              |                    |
|                                        |        |      | <b>EPA353.2</b> |       | Prep Date: <b>12/17/2020</b> | PrepBy: <b>LMC</b> |
| <b>NITRATE/NITRITE AS N</b>            | 1.3    |      | 0.02            | MG/L  | 1                            | 12/17/2020 13:55   |
| <b>pH</b>                              |        |      |                 |       |                              |                    |
|                                        |        |      | <b>SM4500-H</b> |       | Prep Date: <b>12/14/2020</b> | PrepBy: <b>KJS</b> |
| PH                                     | 7.49   |      | 0.1             | pH    | 1                            | 12/14/2020         |
| <b>Total Cyanide</b>                   |        |      |                 |       |                              |                    |
|                                        |        |      | <b>SW9014</b>   |       | Prep Date: <b>12/11/2020</b> | PrepBy: <b>LMC</b> |

**Client:** Telesto Solutions Inc **Date:** 21-Dec-20  
**Project:** 360-100 LRM - Knox Pit - 12/2020 **Work Order:** 2012205  
**Sample ID:** 02-MW-10 **Lab ID:** 2012205-3  
**Legal Location:** **Matrix:** WATER  
**Collection Date:** 12/9/2020 13:30 **Percent Moisture:**

| Analyses                      | Result      | Qual           | Report<br>Limit | Units       | Dilution<br>Factor           | Date Analyzed      |
|-------------------------------|-------------|----------------|-----------------|-------------|------------------------------|--------------------|
| CYANIDE, TOTAL                | ND          |                | 0.015           | MG/L        | 1                            | 12/14/2020         |
| <b>Total Dissolved Solids</b> |             | <b>SM2540C</b> |                 |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>LMC</b> |
| <b>TOTAL DISSOLVED SOLIDS</b> | <b>1300</b> |                | <b>40</b>       | <b>MG/L</b> | <b>1</b>                     | <b>12/16/2020</b>  |

## ALS -- Fort Collins

## SAMPLE SUMMARY REPORT

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-13  
**Legal Location:**  
**Collection Date:** 12/9/2020 14:50

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-4  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                               | Result       | Qual            | Report Limit | Units       | Dilution Factor              | Date Analyzed      |
|----------------------------------------|--------------|-----------------|--------------|-------------|------------------------------|--------------------|
| <b>Alkalinity as Calcium Carbonate</b> |              |                 |              |             |                              |                    |
|                                        |              | <b>SM2320B</b>  |              |             | Prep Date: <b>12/16/2020</b> | PrepBy: <b>LMC</b> |
| <b>BICARBONATE AS CaCO3</b>            | <b>110</b>   |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| CARBONATE AS CaCO3                     | ND           |                 | 20           | MG/L        | 1                            | 12/16/2020         |
| <b>TOTAL ALKALINITY AS CaCO3</b>       | <b>110</b>   |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| <b>Total Recoverable ICPMS Metals</b>  |              |                 |              |             |                              |                    |
|                                        |              | <b>SW6020</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                                 | ND           |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:53   |
| ALUMINUM                               | ND           |                 | 100          | UG/L        | 10                           | 12/16/2020 14:53   |
| ARSENIC                                | ND           |                 | 2            | UG/L        | 10                           | 12/16/2020 14:53   |
| BORON                                  | ND           |                 | 150          | UG/L        | 10                           | 12/16/2020 14:53   |
| <b>BARIUM</b>                          | <b>33</b>    |                 | <b>5</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:53   |
| BERYLLIUM                              | ND           |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:53   |
| <b>CALCIUM</b>                         | <b>42000</b> |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:53   |
| CADMIUM                                | ND           |                 | 2            | UG/L        | 10                           | 12/16/2020 14:53   |
| COBALT                                 | ND           |                 | 5            | UG/L        | 10                           | 12/16/2020 14:53   |
| CHROMIUM                               | ND           |                 | 10           | UG/L        | 10                           | 12/16/2020 14:53   |
| COPPER                                 | ND           |                 | 20           | UG/L        | 10                           | 12/16/2020 14:53   |
| IRON                                   | ND           |                 | 100          | UG/L        | 10                           | 12/16/2020 14:53   |
| POTASSIUM                              | ND           |                 | 1000         | UG/L        | 10                           | 12/16/2020 14:53   |
| LITHIUM                                | ND           |                 | 20           | UG/L        | 10                           | 12/16/2020 14:53   |
| <b>MAGNESIUM</b>                       | <b>4700</b>  |                 | <b>100</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:53   |
| MANGANESE                              | ND           |                 | 10           | UG/L        | 10                           | 12/16/2020 14:53   |
| <b>MOLYBDENUM</b>                      | <b>3.2</b>   |                 | <b>2</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:53   |
| <b>SODIUM</b>                          | <b>5000</b>  |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:53   |
| NICKEL                                 | ND           |                 | 20           | UG/L        | 10                           | 12/16/2020 14:53   |
| LEAD                                   | ND           |                 | 2            | UG/L        | 10                           | 12/16/2020 14:53   |
| ANTIMONY                               | ND           |                 | 1            | UG/L        | 10                           | 12/16/2020 14:53   |
| SELENIUM                               | ND           |                 | 10           | UG/L        | 10                           | 12/16/2020 14:53   |
| THALLIUM                               | ND           |                 | 0.15         | UG/L        | 10                           | 12/16/2020 14:53   |
| <b>URANIUM</b>                         | <b>1.1</b>   |                 | <b>0.1</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:53   |
| VANADIUM                               | ND           |                 | 5            | UG/L        | 10                           | 12/16/2020 14:53   |
| ZINC                                   | ND           |                 | 100          | UG/L        | 10                           | 12/16/2020 14:53   |
| <b>Ion Chromatography</b>              |              |                 |              |             |                              |                    |
|                                        |              | <b>EPA300.0</b> |              |             | Prep Date: <b>12/10/2020</b> | PrepBy: <b>KJS</b> |
| <b>CHLORIDE</b>                        | <b>2.7</b>   |                 | <b>0.2</b>   | <b>MG/L</b> | 1                            | 12/10/2020 13:44   |
| <b>FLUORIDE</b>                        | <b>0.36</b>  |                 | <b>0.1</b>   | <b>MG/L</b> | 1                            | 12/10/2020 13:44   |
| NITRATE AS N                           | ND           |                 | 0.2          | MG/L        | 1                            | 12/10/2020 13:44   |
| NITRITE AS N                           | ND           |                 | 0.15         | MG/L        | 1                            | 12/10/2020 13:44   |
| <b>SULFATE</b>                         | <b>19</b>    |                 | <b>1</b>     | <b>MG/L</b> | 1                            | 12/10/2020 13:44   |
| <b>Mercury</b>                         |              |                 |              |             |                              |                    |
|                                        |              | <b>SW7470</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                                | ND           |                 | 0.0002       | MG/L        | 1                            | 12/16/2020 16:12   |
| <b>Nitrate/Nitrite as N</b>            |              |                 |              |             |                              |                    |
|                                        |              | <b>EPA353.2</b> |              |             | Prep Date: <b>12/17/2020</b> | PrepBy: <b>LMC</b> |
| NITRATE/NITRITE AS N                   | ND           |                 | 0.02         | MG/L        | 1                            | 12/17/2020 13:55   |
| <b>pH</b>                              |              |                 |              |             |                              |                    |
|                                        |              | <b>SM4500-H</b> |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>KJS</b> |
| PH                                     | 7.99         |                 | 0.1          | pH          | 1                            | 12/14/2020         |
| <b>Total Cyanide</b>                   |              |                 |              |             |                              |                    |
|                                        |              | <b>SW9014</b>   |              |             | Prep Date: <b>12/11/2020</b> | PrepBy: <b>LMC</b> |

**Client:** Telesto Solutions Inc **Date:** 21-Dec-20  
**Project:** 360-100 LRM - Knox Pit - 12/2020 **Work Order:** 2012205  
**Sample ID:** MW-13 **Lab ID:** 2012205-4  
**Legal Location:** **Matrix:** WATER  
**Collection Date:** 12/9/2020 14:50 **Percent Moisture:**

| Analyses                      | Result     | Qual           | Report<br>Limit | Units       | Dilution<br>Factor           | Date Analyzed      |
|-------------------------------|------------|----------------|-----------------|-------------|------------------------------|--------------------|
| CYANIDE, TOTAL                | ND         |                | 0.015           | MG/L        | 1                            | 12/14/2020         |
| <b>Total Dissolved Solids</b> |            | <b>SM2540C</b> |                 |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>LMC</b> |
| <b>TOTAL DISSOLVED SOLIDS</b> | <b>140</b> |                | <b>20</b>       | <b>MG/L</b> | <b>1</b>                     | <b>12/16/2020</b>  |

## ALS -- Fort Collins

## SAMPLE SUMMARY REPORT

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-12  
**Legal Location:**  
**Collection Date:** 12/9/2020 15:20

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-5  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                               | Result        | Qual            | Report Limit | Units       | Dilution Factor              | Date Analyzed      |
|----------------------------------------|---------------|-----------------|--------------|-------------|------------------------------|--------------------|
| <b>Alkalinity as Calcium Carbonate</b> |               |                 |              |             |                              |                    |
|                                        |               | <b>SM2320B</b>  |              |             | Prep Date: <b>12/16/2020</b> | PrepBy: <b>LMC</b> |
| <b>BICARBONATE AS CaCO3</b>            | <b>130</b>    |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| CARBONATE AS CaCO3                     | ND            |                 | 20           | MG/L        | 1                            | 12/16/2020         |
| <b>TOTAL ALKALINITY AS CaCO3</b>       | <b>130</b>    |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| <b>Total Recoverable ICPMS Metals</b>  |               |                 |              |             |                              |                    |
|                                        |               | <b>SW6020</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                                 | ND            |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:56   |
| ALUMINUM                               | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:56   |
| ARSENIC                                | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:56   |
| BORON                                  | ND            |                 | 150          | UG/L        | 10                           | 12/16/2020 14:56   |
| <b>BARIUM</b>                          | <b>34</b>     |                 | <b>5</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:56   |
| BERYLLIUM                              | ND            |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:56   |
| <b>CALCIUM</b>                         | <b>140000</b> |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:56   |
| CADMIUM                                | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:56   |
| COBALT                                 | ND            |                 | 5            | UG/L        | 10                           | 12/16/2020 14:56   |
| CHROMIUM                               | ND            |                 | 10           | UG/L        | 10                           | 12/16/2020 14:56   |
| COPPER                                 | ND            |                 | 20           | UG/L        | 10                           | 12/16/2020 14:56   |
| IRON                                   | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:56   |
| <b>POTASSIUM</b>                       | <b>1400</b>   |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:56   |
| LITHIUM                                | ND            |                 | 20           | UG/L        | 10                           | 12/16/2020 14:56   |
| <b>MAGNESIUM</b>                       | <b>11000</b>  |                 | <b>100</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:56   |
| MANGANESE                              | ND            |                 | 10           | UG/L        | 10                           | 12/16/2020 14:56   |
| <b>MOLYBDENUM</b>                      | <b>3.9</b>    |                 | <b>2</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:56   |
| <b>SODIUM</b>                          | <b>15000</b>  |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:56   |
| NICKEL                                 | ND            |                 | 20           | UG/L        | 10                           | 12/16/2020 14:56   |
| LEAD                                   | ND            |                 | 2            | UG/L        | 10                           | 12/16/2020 14:56   |
| ANTIMONY                               | ND            |                 | 1            | UG/L        | 10                           | 12/16/2020 14:56   |
| SELENIUM                               | ND            |                 | 10           | UG/L        | 10                           | 12/16/2020 14:56   |
| THALLIUM                               | ND            |                 | 0.15         | UG/L        | 10                           | 12/16/2020 14:56   |
| <b>URANIUM</b>                         | <b>3.5</b>    |                 | <b>0.1</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:56   |
| VANADIUM                               | ND            |                 | 5            | UG/L        | 10                           | 12/16/2020 14:56   |
| ZINC                                   | ND            |                 | 100          | UG/L        | 10                           | 12/16/2020 14:56   |
| <b>Ion Chromatography</b>              |               |                 |              |             |                              |                    |
|                                        |               | <b>EPA300.0</b> |              |             | Prep Date: <b>12/10/2020</b> | PrepBy: <b>KJS</b> |
| <b>CHLORIDE</b>                        | <b>7.7</b>    |                 | <b>0.2</b>   | <b>MG/L</b> | 1                            | 12/10/2020 14:10   |
| <b>FLUORIDE</b>                        | <b>0.66</b>   |                 | <b>0.1</b>   | <b>MG/L</b> | 1                            | 12/10/2020 14:10   |
| NITRATE AS N                           | ND            |                 | 0.2          | MG/L        | 1                            | 12/10/2020 14:10   |
| NITRITE AS N                           | ND            |                 | 0.15         | MG/L        | 1                            | 12/10/2020 14:10   |
| <b>SULFATE</b>                         | <b>270</b>    |                 | <b>4</b>     | <b>MG/L</b> | 4                            | 12/10/2020 21:47   |
| <b>Mercury</b>                         |               |                 |              |             |                              |                    |
|                                        |               | <b>SW7470</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                                | ND            |                 | 0.0002       | MG/L        | 1                            | 12/16/2020 16:14   |
| <b>Nitrate/Nitrite as N</b>            |               |                 |              |             |                              |                    |
|                                        |               | <b>EPA353.2</b> |              |             | Prep Date: <b>12/17/2020</b> | PrepBy: <b>LMC</b> |
| NITRATE/NITRITE AS N                   | 0.17          |                 | 0.02         | MG/L        | 1                            | 12/17/2020 13:56   |
| <b>pH</b>                              |               |                 |              |             |                              |                    |
|                                        |               | <b>SM4500-H</b> |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>KJS</b> |
| PH                                     | 7.67          |                 | 0.1          | pH          | 1                            | 12/14/2020         |
| <b>Total Cyanide</b>                   |               |                 |              |             |                              |                    |
|                                        |               | <b>SW9014</b>   |              |             | Prep Date: <b>12/11/2020</b> | PrepBy: <b>LMC</b> |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-12  
**Legal Location:**  
**Collection Date:** 12/9/2020 15:20

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-5  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result     | Qual           | Report<br>Limit | Units       | Dilution<br>Factor           | Date Analyzed      |
|-------------------------------|------------|----------------|-----------------|-------------|------------------------------|--------------------|
| CYANIDE, TOTAL                | ND         |                | 0.015           | MG/L        | 1                            | 12/14/2020         |
| <b>Total Dissolved Solids</b> |            | <b>SM2540C</b> |                 |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>LMC</b> |
| <b>TOTAL DISSOLVED SOLIDS</b> | <b>470</b> |                | <b>20</b>       | <b>MG/L</b> | <b>1</b>                     | <b>12/16/2020</b>  |

## ALS -- Fort Collins

## SAMPLE SUMMARY REPORT

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-19  
**Legal Location:**  
**Collection Date:** 12/9/2020 15:55

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-6  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                               | Result       | Qual            | Report Limit | Units       | Dilution Factor              | Date Analyzed      |
|----------------------------------------|--------------|-----------------|--------------|-------------|------------------------------|--------------------|
| <b>Alkalinity as Calcium Carbonate</b> |              |                 |              |             |                              |                    |
|                                        |              | <b>SM2320B</b>  |              |             | Prep Date: <b>12/16/2020</b> | PrepBy: <b>LMC</b> |
| <b>BICARBONATE AS CaCO3</b>            | <b>130</b>   |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| CARBONATE AS CaCO3                     | ND           |                 | 20           | MG/L        | 1                            | 12/16/2020         |
| <b>TOTAL ALKALINITY AS CaCO3</b>       | <b>130</b>   |                 | <b>20</b>    | <b>MG/L</b> | 1                            | 12/16/2020         |
| <b>Total Recoverable ICPMS Metals</b>  |              |                 |              |             |                              |                    |
|                                        |              | <b>SW6020</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                                 | ND           |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:59   |
| ALUMINUM                               | ND           |                 | 100          | UG/L        | 10                           | 12/16/2020 14:59   |
| ARSENIC                                | ND           |                 | 2            | UG/L        | 10                           | 12/16/2020 14:59   |
| BORON                                  | ND           |                 | 150          | UG/L        | 10                           | 12/16/2020 14:59   |
| <b>BARIUM</b>                          | <b>39</b>    |                 | <b>5</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| BERYLLIUM                              | ND           |                 | 0.5          | UG/L        | 10                           | 12/16/2020 14:59   |
| <b>CALCIUM</b>                         | <b>53000</b> |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| CADMIUM                                | ND           |                 | 2            | UG/L        | 10                           | 12/16/2020 14:59   |
| COBALT                                 | ND           |                 | 5            | UG/L        | 10                           | 12/16/2020 14:59   |
| CHROMIUM                               | ND           |                 | 10           | UG/L        | 10                           | 12/16/2020 14:59   |
| COPPER                                 | ND           |                 | 20           | UG/L        | 10                           | 12/16/2020 14:59   |
| <b>IRON</b>                            | <b>210</b>   |                 | <b>100</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| <b>POTASSIUM</b>                       | <b>1000</b>  |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| LITHIUM                                | ND           |                 | 20           | UG/L        | 10                           | 12/16/2020 14:59   |
| <b>MAGNESIUM</b>                       | <b>6200</b>  |                 | <b>100</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| MANGANESE                              | ND           |                 | 10           | UG/L        | 10                           | 12/16/2020 14:59   |
| <b>MOLYBDENUM</b>                      | <b>2.2</b>   |                 | <b>2</b>     | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| <b>SODIUM</b>                          | <b>5800</b>  |                 | <b>1000</b>  | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| NICKEL                                 | ND           |                 | 20           | UG/L        | 10                           | 12/16/2020 14:59   |
| LEAD                                   | ND           |                 | 2            | UG/L        | 10                           | 12/16/2020 14:59   |
| ANTIMONY                               | ND           |                 | 1            | UG/L        | 10                           | 12/16/2020 14:59   |
| SELENIUM                               | ND           |                 | 10           | UG/L        | 10                           | 12/16/2020 14:59   |
| THALLIUM                               | ND           |                 | 0.15         | UG/L        | 10                           | 12/16/2020 14:59   |
| <b>URANIUM</b>                         | <b>1.4</b>   |                 | <b>0.1</b>   | <b>UG/L</b> | 10                           | 12/16/2020 14:59   |
| VANADIUM                               | ND           |                 | 5            | UG/L        | 10                           | 12/16/2020 14:59   |
| ZINC                                   | ND           |                 | 100          | UG/L        | 10                           | 12/16/2020 14:59   |
| <b>Ion Chromatography</b>              |              |                 |              |             |                              |                    |
|                                        |              | <b>EPA300.0</b> |              |             | Prep Date: <b>12/10/2020</b> | PrepBy: <b>KJS</b> |
| <b>CHLORIDE</b>                        | <b>3.5</b>   |                 | <b>0.2</b>   | <b>MG/L</b> | 1                            | 12/10/2020 14:23   |
| <b>FLUORIDE</b>                        | <b>0.33</b>  |                 | <b>0.1</b>   | <b>MG/L</b> | 1                            | 12/10/2020 14:23   |
| NITRATE AS N                           | ND           |                 | 0.2          | MG/L        | 1                            | 12/10/2020 14:23   |
| NITRITE AS N                           | ND           |                 | 0.15         | MG/L        | 1                            | 12/10/2020 14:23   |
| <b>SULFATE</b>                         | <b>37</b>    |                 | <b>1</b>     | <b>MG/L</b> | 1                            | 12/10/2020 14:23   |
| <b>Mercury</b>                         |              |                 |              |             |                              |                    |
|                                        |              | <b>SW7470</b>   |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                                | ND           |                 | 0.0002       | MG/L        | 1                            | 12/16/2020 16:16   |
| <b>Nitrate/Nitrite as N</b>            |              |                 |              |             |                              |                    |
|                                        |              | <b>EPA353.2</b> |              |             | Prep Date: <b>12/17/2020</b> | PrepBy: <b>LMC</b> |
| NITRATE/NITRITE AS N                   | 0.053        |                 | 0.02         | MG/L        | 1                            | 12/17/2020 13:57   |
| <b>pH</b>                              |              |                 |              |             |                              |                    |
|                                        |              | <b>SM4500-H</b> |              |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>KJS</b> |
| PH                                     | 7.95         |                 | 0.1          | pH          | 1                            | 12/14/2020         |
| <b>Total Cyanide</b>                   |              |                 |              |             |                              |                    |
|                                        |              | <b>SW9014</b>   |              |             | Prep Date: <b>12/11/2020</b> | PrepBy: <b>LMC</b> |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-19  
**Legal Location:**  
**Collection Date:** 12/9/2020 15:55

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-6  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result    | Qual           | Report<br>Limit | Units       | Dilution<br>Factor           | Date Analyzed      |
|-------------------------------|-----------|----------------|-----------------|-------------|------------------------------|--------------------|
| CYANIDE, TOTAL                | ND        |                | 0.015           | MG/L        | 1                            | 12/14/2020         |
| <b>Total Dissolved Solids</b> |           | <b>SM2540C</b> |                 |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>LMC</b> |
| <b>TOTAL DISSOLVED SOLIDS</b> | <b>88</b> |                | <b>20</b>       | <b>MG/L</b> | <b>1</b>                     | <b>12/16/2020</b>  |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-06  
**Legal Location:**  
**Collection Date:** 12/9/2020 12:15

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-7  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result        | Qual | Report Limit  | Units       | Dilution Factor              | Date Analyzed      |
|-------------------------------|---------------|------|---------------|-------------|------------------------------|--------------------|
| <b>Dissolved ICPMS Metals</b> |               |      |               |             |                              |                    |
|                               |               |      | <b>SW6020</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                        | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:02   |
| ALUMINUM                      | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:02   |
| ARSENIC                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:02   |
| BORON                         | ND            |      | 150           | UG/L        | 10                           | 12/16/2020 15:02   |
| <b>BARIUM</b>                 | <b>37</b>     |      | <b>5</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| BERYLLIUM                     | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:02   |
| <b>CALCIUM</b>                | <b>490000</b> |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| CADMIUM                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:02   |
| COBALT                        | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:02   |
| CHROMIUM                      | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:02   |
| COPPER                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:02   |
| IRON                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:02   |
| <b>POTASSIUM</b>              | <b>5600</b>   |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| <b>LITHIUM</b>                | <b>23</b>     |      | <b>20</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| <b>MAGNESIUM</b>              | <b>26000</b>  |      | <b>100</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| MANGANESE                     | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:02   |
| <b>MOLYBDENUM</b>             | <b>6.5</b>    |      | <b>2</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| <b>SODIUM</b>                 | <b>18000</b>  |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| NICKEL                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:02   |
| LEAD                          | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:02   |
| ANTIMONY                      | ND            |      | 1             | UG/L        | 10                           | 12/16/2020 15:02   |
| <b>SELENIUM</b>               | <b>18</b>     |      | <b>10</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| THALLIUM                      | ND            |      | 0.15          | UG/L        | 10                           | 12/16/2020 15:02   |
| <b>URANIUM</b>                | <b>37</b>     |      | <b>0.1</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:02   |
| VANADIUM                      | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:02   |
| ZINC                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:02   |
| <b>Dissolved Mercury</b>      |               |      |               |             |                              |                    |
|                               |               |      | <b>SW7470</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                       | ND            |      | 0.0002        | MG/L        | 1                            | 12/16/2020 16:19   |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-10  
**Legal Location:**  
**Collection Date:** 12/9/2020 13:25

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-8  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result        | Qual | Report Limit  | Units       | Dilution Factor              | Date Analyzed      |
|-------------------------------|---------------|------|---------------|-------------|------------------------------|--------------------|
| <b>Dissolved ICPMS Metals</b> |               |      |               |             |                              |                    |
|                               |               |      | <b>SW6020</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                        | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:05   |
| ALUMINUM                      | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:05   |
| ARSENIC                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:05   |
| BORON                         | ND            |      | 150           | UG/L        | 10                           | 12/16/2020 15:05   |
| <b>BARIUM</b>                 | <b>20</b>     |      | <b>5</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| BERYLLIUM                     | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:05   |
| <b>CALCIUM</b>                | <b>330000</b> |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| CADMIUM                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:05   |
| COBALT                        | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:05   |
| CHROMIUM                      | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:05   |
| COPPER                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:05   |
| IRON                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:05   |
| <b>POTASSIUM</b>              | <b>3100</b>   |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| <b>LITHIUM</b>                | <b>27</b>     |      | <b>20</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| <b>MAGNESIUM</b>              | <b>20000</b>  |      | <b>100</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| MANGANESE                     | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:05   |
| <b>MOLYBDENUM</b>             | <b>2.7</b>    |      | <b>2</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| <b>SODIUM</b>                 | <b>21000</b>  |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| NICKEL                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:05   |
| LEAD                          | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:05   |
| ANTIMONY                      | ND            |      | 1             | UG/L        | 10                           | 12/16/2020 15:05   |
| <b>SELENIUM</b>               | <b>11</b>     |      | <b>10</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| THALLIUM                      | ND            |      | 0.15          | UG/L        | 10                           | 12/16/2020 15:05   |
| <b>URANIUM</b>                | <b>31</b>     |      | <b>0.1</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:05   |
| VANADIUM                      | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:05   |
| ZINC                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:05   |
| <b>Dissolved Mercury</b>      |               |      |               |             |                              |                    |
|                               |               |      | <b>SW7470</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                       | ND            |      | 0.0002        | MG/L        | 1                            | 12/16/2020 16:21   |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** 02-MW-10  
**Legal Location:**  
**Collection Date:** 12/9/2020 13:30

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-9  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result        | Qual | Report Limit  | Units       | Dilution Factor              | Date Analyzed      |
|-------------------------------|---------------|------|---------------|-------------|------------------------------|--------------------|
| <b>Dissolved ICPMS Metals</b> |               |      |               |             |                              |                    |
|                               |               |      | <b>SW6020</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                        | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:08   |
| ALUMINUM                      | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:08   |
| ARSENIC                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:08   |
| BORON                         | ND            |      | 150           | UG/L        | 10                           | 12/16/2020 15:08   |
| <b>BARIUM</b>                 | <b>20</b>     |      | <b>5</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| BERYLLIUM                     | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:08   |
| <b>CALCIUM</b>                | <b>330000</b> |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| CADMIUM                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:08   |
| COBALT                        | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:08   |
| CHROMIUM                      | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:08   |
| COPPER                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:08   |
| IRON                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:08   |
| <b>POTASSIUM</b>              | <b>3200</b>   |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| <b>LITHIUM</b>                | <b>27</b>     |      | <b>20</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| <b>MAGNESIUM</b>              | <b>20000</b>  |      | <b>100</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| MANGANESE                     | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:08   |
| <b>MOLYBDENUM</b>             | <b>2.8</b>    |      | <b>2</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| <b>SODIUM</b>                 | <b>22000</b>  |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| NICKEL                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:08   |
| LEAD                          | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:08   |
| ANTIMONY                      | ND            |      | 1             | UG/L        | 10                           | 12/16/2020 15:08   |
| <b>SELENIUM</b>               | <b>11</b>     |      | <b>10</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| THALLIUM                      | ND            |      | 0.15          | UG/L        | 10                           | 12/16/2020 15:08   |
| <b>URANIUM</b>                | <b>30</b>     |      | <b>0.1</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:08   |
| VANADIUM                      | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:08   |
| ZINC                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:08   |
| <b>Dissolved Mercury</b>      |               |      |               |             |                              |                    |
|                               |               |      | <b>SW7470</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                       | ND            |      | 0.0002        | MG/L        | 1                            | 12/16/2020 16:23   |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-13  
**Legal Location:**  
**Collection Date:** 12/9/2020 14:50

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-10  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result       | Qual | Report<br>Limit | Units       | Dilution<br>Factor           | Date Analyzed      |
|-------------------------------|--------------|------|-----------------|-------------|------------------------------|--------------------|
| <b>Dissolved ICPMS Metals</b> |              |      |                 |             |                              |                    |
|                               |              |      | <b>SW6020</b>   |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                        | ND           |      | 0.5             | UG/L        | 10                           | 12/16/2020 15:11   |
| ALUMINUM                      | ND           |      | 100             | UG/L        | 10                           | 12/16/2020 15:11   |
| ARSENIC                       | ND           |      | 2               | UG/L        | 10                           | 12/16/2020 15:11   |
| BORON                         | ND           |      | 150             | UG/L        | 10                           | 12/16/2020 15:11   |
| <b>BARIUM</b>                 | <b>31</b>    |      | <b>5</b>        | <b>UG/L</b> | 10                           | 12/16/2020 15:11   |
| BERYLLIUM                     | ND           |      | 0.5             | UG/L        | 10                           | 12/16/2020 15:11   |
| <b>CALCIUM</b>                | <b>41000</b> |      | <b>1000</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:11   |
| CADMIUM                       | ND           |      | 2               | UG/L        | 10                           | 12/16/2020 15:11   |
| COBALT                        | ND           |      | 5               | UG/L        | 10                           | 12/16/2020 15:11   |
| CHROMIUM                      | ND           |      | 10              | UG/L        | 10                           | 12/16/2020 15:11   |
| COPPER                        | ND           |      | 20              | UG/L        | 10                           | 12/16/2020 15:11   |
| IRON                          | ND           |      | 100             | UG/L        | 10                           | 12/16/2020 15:11   |
| POTASSIUM                     | ND           |      | 1000            | UG/L        | 10                           | 12/16/2020 15:11   |
| LITHIUM                       | ND           |      | 20              | UG/L        | 10                           | 12/16/2020 15:11   |
| <b>MAGNESIUM</b>              | <b>4900</b>  |      | <b>100</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:11   |
| MANGANESE                     | ND           |      | 10              | UG/L        | 10                           | 12/16/2020 15:11   |
| <b>MOLYBDENUM</b>             | <b>3.2</b>   |      | <b>2</b>        | <b>UG/L</b> | 10                           | 12/16/2020 15:11   |
| <b>SODIUM</b>                 | <b>5000</b>  |      | <b>1000</b>     | <b>UG/L</b> | 10                           | 12/16/2020 15:11   |
| NICKEL                        | ND           |      | 20              | UG/L        | 10                           | 12/16/2020 15:11   |
| LEAD                          | ND           |      | 2               | UG/L        | 10                           | 12/16/2020 15:11   |
| ANTIMONY                      | ND           |      | 1               | UG/L        | 10                           | 12/16/2020 15:11   |
| SELENIUM                      | ND           |      | 10              | UG/L        | 10                           | 12/16/2020 15:11   |
| THALLIUM                      | ND           |      | 0.15            | UG/L        | 10                           | 12/16/2020 15:11   |
| <b>URANIUM</b>                | <b>1.2</b>   |      | <b>0.1</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:11   |
| VANADIUM                      | ND           |      | 5               | UG/L        | 10                           | 12/16/2020 15:11   |
| ZINC                          | ND           |      | 100             | UG/L        | 10                           | 12/16/2020 15:11   |
| <b>Dissolved Mercury</b>      |              |      |                 |             |                              |                    |
|                               |              |      | <b>SW7470</b>   |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                       | ND           |      | 0.0002          | MG/L        | 1                            | 12/16/2020 16:25   |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-12  
**Legal Location:**  
**Collection Date:** 12/9/2020 15:20

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-11  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result        | Qual | Report Limit  | Units       | Dilution Factor              | Date Analyzed      |
|-------------------------------|---------------|------|---------------|-------------|------------------------------|--------------------|
| <b>Dissolved ICPMS Metals</b> |               |      |               |             |                              |                    |
|                               |               |      | <b>SW6020</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                        | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:26   |
| ALUMINUM                      | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:26   |
| ARSENIC                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:26   |
| BORON                         | ND            |      | 150           | UG/L        | 10                           | 12/16/2020 15:26   |
| <b>BARIUM</b>                 | <b>34</b>     |      | <b>5</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:26   |
| BERYLLIUM                     | ND            |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:26   |
| <b>CALCIUM</b>                | <b>140000</b> |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:26   |
| CADMIUM                       | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:26   |
| COBALT                        | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:26   |
| CHROMIUM                      | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:26   |
| COPPER                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:26   |
| IRON                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:26   |
| <b>POTASSIUM</b>              | <b>1500</b>   |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:26   |
| LITHIUM                       | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:26   |
| <b>MAGNESIUM</b>              | <b>11000</b>  |      | <b>100</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:26   |
| MANGANESE                     | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:26   |
| <b>MOLYBDENUM</b>             | <b>4.1</b>    |      | <b>2</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:26   |
| <b>SODIUM</b>                 | <b>15000</b>  |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:26   |
| NICKEL                        | ND            |      | 20            | UG/L        | 10                           | 12/16/2020 15:26   |
| LEAD                          | ND            |      | 2             | UG/L        | 10                           | 12/16/2020 15:26   |
| ANTIMONY                      | ND            |      | 1             | UG/L        | 10                           | 12/16/2020 15:26   |
| SELENIUM                      | ND            |      | 10            | UG/L        | 10                           | 12/16/2020 15:26   |
| THALLIUM                      | ND            |      | 0.15          | UG/L        | 10                           | 12/16/2020 15:26   |
| <b>URANIUM</b>                | <b>3.5</b>    |      | <b>0.1</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:26   |
| VANADIUM                      | ND            |      | 5             | UG/L        | 10                           | 12/16/2020 15:26   |
| ZINC                          | ND            |      | 100           | UG/L        | 10                           | 12/16/2020 15:26   |
| <b>Dissolved Mercury</b>      |               |      |               |             |                              |                    |
|                               |               |      | <b>SW7470</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                       | ND            |      | 0.0002        | MG/L        | 1                            | 12/16/2020 16:27   |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-19  
**Legal Location:**  
**Collection Date:** 12/9/2020 15:55

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-12  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses                      | Result       | Qual | Report Limit  | Units       | Dilution Factor              | Date Analyzed      |
|-------------------------------|--------------|------|---------------|-------------|------------------------------|--------------------|
| <b>Dissolved ICPMS Metals</b> |              |      |               |             |                              |                    |
|                               |              |      | <b>SW6020</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>TSS</b> |
| SILVER                        | ND           |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:29   |
| ALUMINUM                      | ND           |      | 100           | UG/L        | 10                           | 12/16/2020 15:29   |
| ARSENIC                       | ND           |      | 2             | UG/L        | 10                           | 12/16/2020 15:29   |
| BORON                         | ND           |      | 150           | UG/L        | 10                           | 12/16/2020 15:29   |
| <b>BARIUM</b>                 | <b>38</b>    |      | <b>5</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:29   |
| BERYLLIUM                     | ND           |      | 0.5           | UG/L        | 10                           | 12/16/2020 15:29   |
| <b>CALCIUM</b>                | <b>54000</b> |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:29   |
| CADMIUM                       | ND           |      | 2             | UG/L        | 10                           | 12/16/2020 15:29   |
| COBALT                        | ND           |      | 5             | UG/L        | 10                           | 12/16/2020 15:29   |
| CHROMIUM                      | ND           |      | 10            | UG/L        | 10                           | 12/16/2020 15:29   |
| COPPER                        | ND           |      | 20            | UG/L        | 10                           | 12/16/2020 15:29   |
| IRON                          | ND           |      | 100           | UG/L        | 10                           | 12/16/2020 15:29   |
| <b>POTASSIUM</b>              | <b>1000</b>  |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:29   |
| LITHIUM                       | ND           |      | 20            | UG/L        | 10                           | 12/16/2020 15:29   |
| <b>MAGNESIUM</b>              | <b>6400</b>  |      | <b>100</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:29   |
| MANGANESE                     | ND           |      | 10            | UG/L        | 10                           | 12/16/2020 15:29   |
| <b>MOLYBDENUM</b>             | <b>2.3</b>   |      | <b>2</b>      | <b>UG/L</b> | 10                           | 12/16/2020 15:29   |
| <b>SODIUM</b>                 | <b>5900</b>  |      | <b>1000</b>   | <b>UG/L</b> | 10                           | 12/16/2020 15:29   |
| NICKEL                        | ND           |      | 20            | UG/L        | 10                           | 12/16/2020 15:29   |
| LEAD                          | ND           |      | 2             | UG/L        | 10                           | 12/16/2020 15:29   |
| ANTIMONY                      | ND           |      | 1             | UG/L        | 10                           | 12/16/2020 15:29   |
| SELENIUM                      | ND           |      | 10            | UG/L        | 10                           | 12/16/2020 15:29   |
| THALLIUM                      | ND           |      | 0.15          | UG/L        | 10                           | 12/16/2020 15:29   |
| <b>URANIUM</b>                | <b>1.5</b>   |      | <b>0.1</b>    | <b>UG/L</b> | 10                           | 12/16/2020 15:29   |
| VANADIUM                      | ND           |      | 5             | UG/L        | 10                           | 12/16/2020 15:29   |
| ZINC                          | ND           |      | 100           | UG/L        | 10                           | 12/16/2020 15:29   |
| <b>Dissolved Mercury</b>      |              |      |               |             |                              |                    |
|                               |              |      | <b>SW7470</b> |             | Prep Date: <b>12/14/2020</b> | PrepBy: <b>JRS</b> |
| MERCURY                       | ND           |      | 0.0002        | MG/L        | 1                            | 12/16/2020 16:29   |

**Client:** Telesto Solutions Inc  
**Project:** 360-100 LRM - Knox Pit - 12/2020  
**Sample ID:** MW-19  
**Legal Location:**  
**Collection Date:** 12/9/2020 15:55

**Date:** 21-Dec-20  
**Work Order:** 2012205  
**Lab ID:** 2012205-12  
**Matrix:** WATER  
**Percent Moisture:**

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------|--------|------|--------------|-------|-----------------|---------------|
|----------|--------|------|--------------|-------|-----------------|---------------|

### Explanation of Qualifiers

#### Radiochemistry:

|                                                                               |                                                                                                 |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| - "Report Limit" is the MDC                                                   | M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC. |
| U or ND - Result is less than the sample specific MDC.                        | L - LCS Recovery below lower control limit.                                                     |
| Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed. | H - LCS Recovery above upper control limit.                                                     |
| Y2 - Chemical Yield outside default limits.                                   | P - LCS, Matrix Spike Recovery within control limits.                                           |
| W - DER is greater than Warning Limit of 1.42                                 | N - Matrix Spike Recovery outside control limits                                                |
| * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.    | NC - Not Calculated for duplicate results less than 5 times MDC                                 |
| # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.    | B - Analyte concentration greater than MDC.                                                     |
| G - Sample density differs by more than 15% of LCS density.                   | B3 - Analyte concentration greater than MDC but less than Requested MDC.                        |
| D - DER is greater than Control Limit                                         |                                                                                                 |
| M - Requested MDC not met.                                                    |                                                                                                 |

#### Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).  
 U or ND - Indicates that the compound was analyzed for but not detected.  
 E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.  
 M - Duplicate injection precision was not met.  
 N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.  
 Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.  
 \* - Duplicate analysis (relative percent difference) not within control limits.  
 S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

#### Organics:

U or ND - Indicates that the compound was analyzed for but not detected.  
 B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.  
 E - Analyte concentration exceeds the upper level of the calibration range.  
 J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).  
 A - A tentatively identified compound is a suspected aldol-condensation product.  
 X - The analyte was diluted below an accurate quantitation level.  
 \* - The spike recovery is equal to or outside the control criteria used.  
 + - The relative percent difference (RPD) equals or exceeds the control criteria.  
 G - A pattern resembling gasoline was detected in this sample.  
 D - A pattern resembling diesel was detected in this sample.  
 M - A pattern resembling motor oil was detected in this sample.  
 C - A pattern resembling crude oil was detected in this sample.  
 4 - A pattern resembling JP-4 was detected in this sample.  
 5 - A pattern resembling JP-5 was detected in this sample.  
 H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.  
 L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.  
 Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:  
 - gasoline  
 - JP-8  
 - diesel  
 - mineral spirits  
 - motor oil  
 - Stoddard solvent  
 - bunker C

## ALS -- Fort Collins

Date: 12/21/2020 3:08

Client: Telesto Solutions Inc

## QC BATCH REPORT

Work Order: 2012205

Project: 360-100 LRM - Knox Pit - 12/2020

Batch ID: HG201214-2-1

Instrument ID: CETAC7500

Method: SW7470

|            |                              |                    |         |               |                              |                                        |                |              |     |           |      |  |
|------------|------------------------------|--------------------|---------|---------------|------------------------------|----------------------------------------|----------------|--------------|-----|-----------|------|--|
| <b>LCS</b> | Sample ID: <b>HG201214-2</b> | Units: <b>MG/L</b> |         |               |                              | Analysis Date: <b>12/16/2020 15:32</b> |                |              |     |           |      |  |
| Client ID: | Run ID: <b>HG201216-1A1</b>  |                    |         |               | Prep Date: <b>12/14/2020</b> |                                        |                | DF: <b>1</b> |     |           |      |  |
| Analyte    | Result                       | ReportLimit        | SPK Val | SPK Ref Value | %REC                         | Control Limit                          | Decision Level | RPD Ref      | RPD | RPD Limit | Qual |  |
| MERCURY    | 0.001                        | 0.0002             | 0.001   |               | 100                          | 80-120                                 |                |              |     | 20        |      |  |

|            |                              |                    |  |  |                              |                                        |  |              |  |  |      |  |
|------------|------------------------------|--------------------|--|--|------------------------------|----------------------------------------|--|--------------|--|--|------|--|
| <b>MB</b>  | Sample ID: <b>HG201214-2</b> | Units: <b>MG/L</b> |  |  |                              | Analysis Date: <b>12/16/2020 15:30</b> |  |              |  |  |      |  |
| Client ID: | Run ID: <b>HG201216-1A1</b>  |                    |  |  | Prep Date: <b>12/14/2020</b> |                                        |  | DF: <b>1</b> |  |  |      |  |
| Analyte    | Result                       | ReportLimit        |  |  |                              |                                        |  |              |  |  | Qual |  |
| MERCURY    | ND                           | 0.0002             |  |  |                              |                                        |  |              |  |  |      |  |

|                         |                             |                    |         |               |                              |                                        |                |              |     |           |      |  |
|-------------------------|-----------------------------|--------------------|---------|---------------|------------------------------|----------------------------------------|----------------|--------------|-----|-----------|------|--|
| <b>MS</b>               | Sample ID: <b>2012205-1</b> | Units: <b>MG/L</b> |         |               |                              | Analysis Date: <b>12/16/2020 15:59</b> |                |              |     |           |      |  |
| Client ID: <b>MW-06</b> | Run ID: <b>HG201216-1A1</b> |                    |         |               | Prep Date: <b>12/14/2020</b> |                                        |                | DF: <b>1</b> |     |           |      |  |
| Analyte                 | Result                      | ReportLimit        | SPK Val | SPK Ref Value | %REC                         | Control Limit                          | Decision Level | RPD Ref      | RPD | RPD Limit | Qual |  |
| MERCURY                 | 0.00211                     | 0.0002             | 0.002   | 0.0002        | 105                          | 80-120                                 |                |              |     | 20        |      |  |

|                         |                             |                    |         |               |                              |                                        |                |              |     |           |      |  |
|-------------------------|-----------------------------|--------------------|---------|---------------|------------------------------|----------------------------------------|----------------|--------------|-----|-----------|------|--|
| <b>MSD</b>              | Sample ID: <b>2012205-1</b> | Units: <b>MG/L</b> |         |               |                              | Analysis Date: <b>12/16/2020 16:01</b> |                |              |     |           |      |  |
| Client ID: <b>MW-06</b> | Run ID: <b>HG201216-1A1</b> |                    |         |               | Prep Date: <b>12/14/2020</b> |                                        |                | DF: <b>1</b> |     |           |      |  |
| Analyte                 | Result                      | ReportLimit        | SPK Val | SPK Ref Value | %REC                         | Control Limit                          | Decision Level | RPD Ref      | RPD | RPD Limit | Qual |  |
| MERCURY                 | 0.00215                     | 0.0002             | 0.002   | 0.0002        | 108                          | 80-120                                 |                | 0.00211      | 2   | 20        |      |  |

The following samples were analyzed in this batch:

|            |            |            |
|------------|------------|------------|
| 2012205-1  | 2012205-2  | 2012205-3  |
| 2012205-4  | 2012205-5  | 2012205-6  |
| 2012205-7  | 2012205-8  | 2012205-9  |
| 2012205-10 | 2012205-11 | 2012205-12 |

**Client:** Telesto Solutions Inc  
**Work Order:** 2012205  
**Project:** 360-100 LRM - Knox Pit - 12/2020

## QC BATCH REPORT

Batch ID: **IP201214-4-1**      Instrument ID: **ICPMS2**      Method: **SW6020**

| LCS        |        | Sample ID: IM201214-4  |         |               | Units: UG/L |                       | Analysis Date: 12/16/2020 14:00 |         |        |           |      |
|------------|--------|------------------------|---------|---------------|-------------|-----------------------|---------------------------------|---------|--------|-----------|------|
| Client ID: |        | Run ID: IM201216-10A12 |         |               |             | Prep Date: 12/14/2020 |                                 |         | DF: 10 |           |      |
| Analyte    | Result | ReportLimit            | SPK Val | SPK Ref Value | %REC        | Control Limit         | Decision Level                  | RPD Ref | RPD    | RPD Limit | Qual |
| ALUMINUM   | 5250   | 100                    | 5000    |               | 105         | 80-120                |                                 |         |        | 20        |      |
| ANTIMONY   | 27.6   | 1                      | 30      |               | 92          | 80-120                |                                 |         |        | 20        |      |
| ARSENIC    | 104    | 2                      | 100     |               | 104         | 80-120                |                                 |         |        | 20        |      |
| BARIUM     | 103    | 5                      | 100     |               | 103         | 80-120                |                                 |         |        | 20        |      |
| BERYLLIUM  | 54     | 0.5                    | 50      |               | 108         | 80-120                |                                 |         |        | 20        |      |
| BORON      | 1090   | 150                    | 1000    |               | 109         | 80-120                |                                 |         |        | 20        |      |
| CADMIUM    | 31.2   | 2                      | 30      |               | 104         | 80-120                |                                 |         |        | 20        |      |
| CALCIUM    | 10900  | 1000                   | 10000   |               | 109         | 80-120                |                                 |         |        | 20        |      |
| CHROMIUM   | 494    | 10                     | 500     |               | 99          | 80-120                |                                 |         |        | 20        |      |
| COBALT     | 105    | 5                      | 100     |               | 105         | 80-120                |                                 |         |        | 20        |      |
| COPPER     | 994    | 20                     | 1000    |               | 99          | 80-120                |                                 |         |        | 20        |      |
| IRON       | 4980   | 100                    | 5000    |               | 100         | 80-120                |                                 |         |        | 20        |      |
| LEAD       | 55.2   | 2                      | 50      |               | 110         | 80-120                |                                 |         |        | 20        |      |
| LITHIUM    | 1030   | 20                     | 1000    |               | 103         | 80-120                |                                 |         |        | 20        |      |
| MAGNESIUM  | 10200  | 100                    | 10000   |               | 102         | 80-120                |                                 |         |        | 20        |      |
| MANGANESE  | 99.7   | 10                     | 100     |               | 100         | 80-120                |                                 |         |        | 20        |      |
| MOLYBDENUM | 99.8   | 2                      | 100     |               | 100         | 80-120                |                                 |         |        | 20        |      |
| NICKEL     | 519    | 20                     | 500     |               | 104         | 80-120                |                                 |         |        | 20        |      |
| POTASSIUM  | 5360   | 1000                   | 5000    |               | 107         | 80-120                |                                 |         |        | 20        |      |
| SELENIUM   | 98.3   | 10                     | 100     |               | 98          | 80-120                |                                 |         |        | 20        |      |
| SILVER     | 10.3   | 0.5                    | 10      |               | 103         | 80-120                |                                 |         |        | 20        |      |
| SODIUM     | 11000  | 1000                   | 10000   |               | 110         | 80-120                |                                 |         |        | 20        |      |
| THALLIUM   | 2.14   | 0.15                   | 2       |               | 107         | 80-120                |                                 |         |        | 20        |      |
| URANIUM    | 10.3   | 0.1                    | 10      |               | 103         | 80-120                |                                 |         |        | 20        |      |
| VANADIUM   | 97.6   | 5                      | 100     |               | 98          | 80-120                |                                 |         |        | 20        |      |
| ZINC       | 2100   | 100                    | 2000    |               | 105         | 80-120                |                                 |         |        | 20        |      |

**Client:** Telesto Solutions Inc  
**Work Order:** 2012205  
**Project:** 360-100 LRM - Knox Pit - 12/2020

## QC BATCH REPORT

Batch ID: **IP201214-4-1** Instrument ID **ICPMS2** Method: **SW6020**

**MB** Sample ID: **IP201214-4** Units: **UG/L** Analysis Date: **12/16/2020 13:57**  
Client ID: Run ID: **IM201216-10A12** Prep Date: **12/14/2020** DF: **10**

| Analyte    | Result | ReportLimit | Qual |
|------------|--------|-------------|------|
| ALUMINUM   | ND     | 100         |      |
| ANTIMONY   | ND     | 1           |      |
| ARSENIC    | ND     | 2           |      |
| BARIUM     | ND     | 5           |      |
| BERYLLIUM  | ND     | 0.5         |      |
| BORON      | ND     | 150         |      |
| CADMIUM    | ND     | 2           |      |
| CALCIUM    | ND     | 1000        |      |
| CHROMIUM   | ND     | 10          |      |
| COBALT     | ND     | 5           |      |
| COPPER     | ND     | 20          |      |
| IRON       | ND     | 100         |      |
| LEAD       | ND     | 2           |      |
| LITHIUM    | ND     | 20          |      |
| MAGNESIUM  | ND     | 100         |      |
| MANGANESE  | ND     | 10          |      |
| MOLYBDENUM | ND     | 2           |      |
| NICKEL     | ND     | 20          |      |
| POTASSIUM  | ND     | 1000        |      |
| SELENIUM   | ND     | 10          |      |
| SILVER     | ND     | 0.5         |      |
| SODIUM     | ND     | 1000        |      |
| THALLIUM   | ND     | 0.15        |      |
| URANIUM    | ND     | 0.1         |      |
| VANADIUM   | ND     | 5           |      |
| ZINC       | ND     | 100         |      |

The following samples were analyzed in this batch:

|            |            |            |
|------------|------------|------------|
| 2012205-1  | 2012205-2  | 2012205-3  |
| 2012205-4  | 2012205-5  | 2012205-6  |
| 2012205-7  | 2012205-8  | 2012205-9  |
| 2012205-10 | 2012205-11 | 2012205-12 |

**Client:** Telesto Solutions Inc  
**Work Order:** 2012205  
**Project:** 360-100 LRM - Knox Pit - 12/2020

## QC BATCH REPORT

Batch ID: **AK201216-2-1**      Instrument ID: **NONE**      Method: **SM2320B**

| <b>LCS</b>                | Sample ID: <b>AK201216-2</b> |             |         | Units: <b>MG/L</b>           |      |               | Analysis Date: <b>12/16/2020</b> |         |     |           |      |
|---------------------------|------------------------------|-------------|---------|------------------------------|------|---------------|----------------------------------|---------|-----|-----------|------|
| Client ID:                | Run ID: <b>AK201216-1A1</b>  |             |         | Prep Date: <b>12/16/2020</b> |      |               | DF: <b>1</b>                     |         |     |           |      |
| Analyte                   | Result                       | ReportLimit | SPK Val | SPK Ref Value                | %REC | Control Limit | Decision Level                   | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL ALKALINITY AS CaCO3 | 95.4                         | 5           | 100     |                              | 95   | 85-115        |                                  |         |     | 15        |      |

| <b>LCSD</b>               | Sample ID: <b>AK201216-2</b> |             |         | Units: <b>MG/L</b>           |      |               | Analysis Date: <b>12/16/2020</b> |         |     |           |      |
|---------------------------|------------------------------|-------------|---------|------------------------------|------|---------------|----------------------------------|---------|-----|-----------|------|
| Client ID:                | Run ID: <b>AK201216-1A1</b>  |             |         | Prep Date: <b>12/16/2020</b> |      |               | DF: <b>1</b>                     |         |     |           |      |
| Analyte                   | Result                       | ReportLimit | SPK Val | SPK Ref Value                | %REC | Control Limit | Decision Level                   | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL ALKALINITY AS CaCO3 | 96.7                         | 5           | 100     |                              | 97   | 85-115        |                                  | 95.4    | 1   | 15        |      |

|                           |                       |                      |      |             |                           |  |       |
|---------------------------|-----------------------|----------------------|------|-------------|---------------------------|--|-------|
| MB                        | Sample ID: AK201216-2 |                      |      | Units: MG/L | Analysis Date: 12/16/2020 |  |       |
| Client ID:                |                       | Run ID: AK201216-1A1 |      |             | Prep Date: 12/16/2020     |  | DF: 1 |
|                           |                       |                      |      |             |                           |  |       |
| Analyte                   | Result                | ReportLimit          | Qual |             |                           |  |       |
| BICARBONATE AS CaCO3      | ND                    | 5                    |      |             |                           |  |       |
| CARBONATE AS CaCO3        | ND                    | 5                    |      |             |                           |  |       |
| TOTAL ALKALINITY AS CaCO3 | ND                    | 5                    |      |             |                           |  |       |

The following samples were analyzed in this batch:

|           |           |           |
|-----------|-----------|-----------|
| 2012205-1 | 2012205-2 | 2012205-3 |
| 2012205-4 | 2012205-5 | 2012205-6 |

**Client:** Telesto Solutions Inc  
**Work Order:** 2012205  
**Project:** 360-100 LRM - Knox Pit - 12/2020

## QC BATCH REPORT

Batch ID: **CN201211-1-1**      Instrument ID **Spec**      Method: **SW9014**

|                |                              |             |         |               |                              |               |                                  |              |     |           |      |
|----------------|------------------------------|-------------|---------|---------------|------------------------------|---------------|----------------------------------|--------------|-----|-----------|------|
| LCS            | Sample ID: <b>CN201211-1</b> |             |         |               | Units: <b>MG/L</b>           |               | Analysis Date: <b>12/14/2020</b> |              |     |           |      |
| Client ID:     | Run ID: <b>CN201214-1A2</b>  |             |         |               | Prep Date: <b>12/11/2020</b> |               |                                  | DF: <b>1</b> |     |           |      |
| Analyte        | Result                       | ReportLimit | SPK Val | SPK Ref Value | %REC                         | Control Limit | Decision Level                   | RPD Ref      | RPD | RPD Limit | Qual |
| CYANIDE, TOTAL | 0.203                        | 0.015       | 0.2     |               | 101                          | 85-115        |                                  |              |     | 30        |      |

|                |                              |             |         |               |                              |               |                                  |              |     |           |      |
|----------------|------------------------------|-------------|---------|---------------|------------------------------|---------------|----------------------------------|--------------|-----|-----------|------|
| LCSD           | Sample ID: <b>CN201211-1</b> |             |         |               | Units: <b>MG/L</b>           |               | Analysis Date: <b>12/14/2020</b> |              |     |           |      |
| Client ID:     | Run ID: <b>CN201214-1A2</b>  |             |         |               | Prep Date: <b>12/11/2020</b> |               |                                  | DF: <b>1</b> |     |           |      |
| Analyte        | Result                       | ReportLimit | SPK Val | SPK Ref Value | %REC                         | Control Limit | Decision Level                   | RPD Ref      | RPD | RPD Limit | Qual |
| CYANIDE, TOTAL | 0.204                        | 0.015       | 0.2     |               | 102                          | 85-115        |                                  | 0.203        | 1   | 30        |      |

|                |                       |             |      |                       |                           |  |
|----------------|-----------------------|-------------|------|-----------------------|---------------------------|--|
| MB             | Sample ID: CN201211-1 |             |      | Units: MG/L           | Analysis Date: 12/14/2020 |  |
| Client ID:     | Run ID: CN201214-1A2  |             |      | Prep Date: 12/11/2020 | DF: 1                     |  |
| Analyte        | Result                | ReportLimit | Qual |                       |                           |  |
| CYANIDE, TOTAL | ND                    | 0.015       |      |                       |                           |  |

The following samples were analyzed in this batch:

|           |           |           |
|-----------|-----------|-----------|
| 2012205-1 | 2012205-2 | 2012205-3 |
| 2012205-4 | 2012205-5 | 2012205-6 |

**Client:** Telesto Solutions Inc  
**Work Order:** 2012205  
**Project:** 360-100 LRM - Knox Pit - 12/2020

## QC BATCH REPORT

Batch ID: **IC201210-1-1**      Instrument ID: **IC3**      Method: **EPA300.0**

|              |                       |             |         |               |                       |               |                                 |         |     |           |      |
|--------------|-----------------------|-------------|---------|---------------|-----------------------|---------------|---------------------------------|---------|-----|-----------|------|
| LCS          | Sample ID: IC201210-1 |             |         |               | Units: MG/L           |               | Analysis Date: 12/10/2020 07:43 |         |     |           |      |
| Client ID:   | Run ID: IC201210-1a1  |             |         |               | Prep Date: 12/10/2020 |               |                                 | DF: 1   |     |           |      |
| Analyte      | Result                | ReportLimit | SPK Val | SPK Ref Value | %REC                  | Control Limit | Decision Level                  | RPD Ref | RPD | RPD Limit | Qual |
| FLUORIDE     | 5.14                  | 0.1         | 5       |               | 103                   | 90-110        |                                 |         |     | 15        |      |
| CHLORIDE     | 10.2                  | 0.2         | 10      |               | 102                   | 90-110        |                                 |         |     | 15        |      |
| NITRITE AS N | 5.16                  | 0.15        | 5.02    |               | 103                   | 90-110        |                                 |         |     | 15        |      |
| NITRATE AS N | 10.2                  | 0.2         | 10      |               | 102                   | 90-110        |                                 |         |     | 15        |      |
| SULFATE      | 51.3                  | 1           | 50      |               | 103                   | 90-110        |                                 |         |     | 15        |      |

|              |                       |             |         |                       |      |               |                                 |         |     |           |      |
|--------------|-----------------------|-------------|---------|-----------------------|------|---------------|---------------------------------|---------|-----|-----------|------|
| LCSD         | Sample ID: IC201210-1 |             |         | Units: MG/L           |      |               | Analysis Date: 12/10/2020 10:21 |         |     |           |      |
| Client ID:   | Run ID: IC201210-1a1  |             |         | Prep Date: 12/10/2020 |      |               | DF: 1                           |         |     |           |      |
| Analyte      | Result                | ReportLimit | SPK Val | SPK Ref Value         | %REC | Control Limit | Decision Level                  | RPD Ref | RPD | RPD Limit | Qual |
| FLUORIDE     | 5.26                  | 0.1         | 5       |                       | 105  | 90-110        |                                 | 5.14    | 2   | 15        |      |
| CHLORIDE     | 10.6                  | 0.2         | 10      |                       | 106  | 90-110        |                                 | 10.2    | 4   | 15        |      |
| NITRITE AS N | 5.21                  | 0.15        | 5.02    |                       | 104  | 90-110        |                                 | 5.16    | 1   | 15        |      |
| NITRATE AS N | 10.5                  | 0.2         | 10      |                       | 105  | 90-110        |                                 | 10.2    | 3   | 15        |      |
| SULFATE      | 51.9                  | 1           | 50      |                       | 104  | 90-110        |                                 | 51.3    | 1   | 15        |      |

|              |                       |             |      |                       |  |                                 |  |
|--------------|-----------------------|-------------|------|-----------------------|--|---------------------------------|--|
| MB           | Sample ID: IC201210-1 |             |      | Units: MG/L           |  | Analysis Date: 12/10/2020 07:56 |  |
| Client ID:   | Run ID: IC201210-1a1  |             |      | Prep Date: 12/10/2020 |  | DF: 1                           |  |
| Analyte      | Result                | ReportLimit | Qual |                       |  |                                 |  |
| FLUORIDE     | ND                    | 0.1         |      |                       |  |                                 |  |
| CHLORIDE     | ND                    | 0.2         |      |                       |  |                                 |  |
| NITRITE AS N | ND                    | 0.15        |      |                       |  |                                 |  |
| NITRATE AS N | ND                    | 0.2         |      |                       |  |                                 |  |
| SULFATE      | ND                    | 1           |      |                       |  |                                 |  |

|                  |                      |                      |         |               |                       |               |                                 |         |     |           |      |
|------------------|----------------------|----------------------|---------|---------------|-----------------------|---------------|---------------------------------|---------|-----|-----------|------|
| MS               | Sample ID: 2012205-4 |                      |         | Units: MG/L   |                       |               | Analysis Date: 12/10/2020 13:57 |         |     |           |      |
| Client ID: MW-13 |                      | Run ID: IC201210-1a1 |         |               | Prep Date: 12/10/2020 |               |                                 | DF: 1   |     |           |      |
| Analyte          | Result               | ReportLimit          | SPK Val | SPK Ref Value | %REC                  | Control Limit | Decision Level                  | RPD Ref | RPD | RPD Limit | Qual |
| FLUORIDE         | 2.48                 | 0.1                  | 2       | 0.36          | 106                   | 85-115        |                                 |         |     | 15        |      |
| CHLORIDE         | 7.79                 | 0.2                  | 5       | 2.7           | 102                   | 85-115        |                                 |         |     | 15        |      |
| NITRITE AS N     | 1.74                 | 0.15                 | 2.01    | 0.15          | 87                    | 85-115        |                                 |         |     | 15        |      |
| NITRATE AS N     | 5.2                  | 0.2                  | 5       | 0.2           | 104                   | 85-115        |                                 |         |     | 15        |      |
| SULFATE          | 39.3                 | 1                    | 20      | 19            | 102                   | 85-115        |                                 |         |     | 15        |      |

The following samples were analyzed in this batch:

|           |           |           |
|-----------|-----------|-----------|
| 2012205-1 | 2012205-2 | 2012205-3 |
| 2012205-4 | 2012205-5 | 2012205-6 |

**Client:** Telesto Solutions Inc  
**Work Order:** 2012205  
**Project:** 360-100 LRM - Knox Pit - 12/2020

## QC BATCH REPORT

Batch ID: **NN201217-2-1**      Instrument ID: **Lachat**      Method: **EPA353.2**

|                      |                       |             |         |               |      |               |                                 |         |       |           |      |
|----------------------|-----------------------|-------------|---------|---------------|------|---------------|---------------------------------|---------|-------|-----------|------|
| LCS                  | Sample ID: NN201217-2 |             |         | Units: MG/L   |      |               | Analysis Date: 12/17/2020 13:29 |         |       |           |      |
| Client ID:           | Run ID: NN201217-1A1  |             |         |               |      |               | Prep Date: 12/17/2020           |         | DF: 1 |           |      |
| Analyte              | Result                | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level                  | RPD Ref | RPD   | RPD Limit | Qual |
| NITRATE/NITRITE AS N | 0.472                 | 0.02        | 0.5     |               | 94   | 90-110        |                                 |         |       | 20        |      |

|                      |                       |             |         |                       |      |               |                                 |         |     |           |      |
|----------------------|-----------------------|-------------|---------|-----------------------|------|---------------|---------------------------------|---------|-----|-----------|------|
| LCSD                 | Sample ID: NN201217-2 |             |         | Units: MG/L           |      |               | Analysis Date: 12/17/2020 13:31 |         |     |           |      |
| Client ID:           | Run ID: NN201217-1A1  |             |         | Prep Date: 12/17/2020 |      |               | DF: 1                           |         |     |           |      |
| Analyte              | Result                | ReportLimit | SPK Val | SPK Ref Value         | %REC | Control Limit | Decision Level                  | RPD Ref | RPD | RPD Limit | Qual |
| NITRATE/NITRITE AS N | 0.467                 | 0.02        | 0.5     |                       | 93   | 90-110        |                                 | 0.472   | 1   | 20        |      |

|                      |                       |             |      |                       |                                 |  |
|----------------------|-----------------------|-------------|------|-----------------------|---------------------------------|--|
| MB                   | Sample ID: NN201217-2 |             |      | Units: MG/L           | Analysis Date: 12/17/2020 13:28 |  |
| Client ID:           | Run ID: NN201217-1A1  |             |      | Prep Date: 12/17/2020 | DF: 1                           |  |
| Analyte              | Result                | ReportLimit | Qual |                       |                                 |  |
| NITRATE/NITRITE AS N | ND                    | 0.02        |      |                       |                                 |  |

|                      |                      |                      |         |               |             |                       |                                 |         |       |           |      |
|----------------------|----------------------|----------------------|---------|---------------|-------------|-----------------------|---------------------------------|---------|-------|-----------|------|
| MS                   | Sample ID: 2012205-2 |                      |         |               | Units: MG/L |                       | Analysis Date: 12/17/2020 14:12 |         |       |           |      |
| Client ID: MW-10     |                      | Run ID: NN201217-1A1 |         |               |             | Prep Date: 12/17/2020 |                                 |         | DF: 1 |           |      |
| Analyte              | Result               | ReportLimit          | SPK Val | SPK Ref Value | %REC        | Control Limit         | Decision Level                  | RPD Ref | RPD   | RPD Limit | Qual |
| NITRATE/NITRITE AS N | 1.82                 | 0.02                 | 0.5     | 1.3           | 98          | 90-110                |                                 |         |       | 20        |      |

The following samples were analyzed in this batch:

|           |           |           |
|-----------|-----------|-----------|
| 2012205-1 | 2012205-2 | 2012205-3 |
| 2012205-4 | 2012205-5 | 2012205-6 |

**Client:** Telesto Solutions Inc  
**Work Order:** 2012205  
**Project:** 360-100 LRM - Knox Pit - 12/2020

## QC BATCH REPORT

Batch ID: **TD201214-1-1**      Instrument ID **Balance**      Method: **SM2540C**

|                        |                              |             |         |                              |      |               |                                  |         |     |           |      |
|------------------------|------------------------------|-------------|---------|------------------------------|------|---------------|----------------------------------|---------|-----|-----------|------|
| <b>LCS</b>             | Sample ID: <b>TD201214-1</b> |             |         | Units: <b>MG/L</b>           |      |               | Analysis Date: <b>12/16/2020</b> |         |     |           |      |
| Client ID:             | Run ID: <b>TD201216-1A1</b>  |             |         | Prep Date: <b>12/14/2020</b> |      |               | DF: <b>1</b>                     |         |     |           |      |
| Analyte                | Result                       | ReportLimit | SPK Val | SPK Ref Value                | %REC | Control Limit | Decision Level                   | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL DISSOLVED SOLIDS | 365                          | 20          | 400     |                              | 91   | 85-115        |                                  |         |     | 14        |      |

|                        |                              |             |         |                              |      |               |                                  |         |     |           |      |
|------------------------|------------------------------|-------------|---------|------------------------------|------|---------------|----------------------------------|---------|-----|-----------|------|
| <b>LCSD</b>            | Sample ID: <b>TD201214-1</b> |             |         | Units: <b>MG/L</b>           |      |               | Analysis Date: <b>12/16/2020</b> |         |     |           |      |
| Client ID:             | Run ID: <b>TD201216-1A1</b>  |             |         | Prep Date: <b>12/14/2020</b> |      |               | DF: <b>1</b>                     |         |     |           |      |
| Analyte                | Result                       | ReportLimit | SPK Val | SPK Ref Value                | %REC | Control Limit | Decision Level                   | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL DISSOLVED SOLIDS | 392                          | 20          | 400     |                              | 98   | 85-115        |                                  | 365     | 7   | 14        |      |

|                        |                              |             |  |                              |  |  |                                  |  |  |  |      |
|------------------------|------------------------------|-------------|--|------------------------------|--|--|----------------------------------|--|--|--|------|
| <b>MB</b>              | Sample ID: <b>TD201214-1</b> |             |  | Units: <b>MG/L</b>           |  |  | Analysis Date: <b>12/16/2020</b> |  |  |  |      |
| Client ID:             | Run ID: <b>TD201216-1A1</b>  |             |  | Prep Date: <b>12/14/2020</b> |  |  | DF: <b>1</b>                     |  |  |  |      |
| Analyte                | Result                       | ReportLimit |  |                              |  |  |                                  |  |  |  | Qual |
| TOTAL DISSOLVED SOLIDS | ND                           | 20          |  |                              |  |  |                                  |  |  |  |      |

The following samples were analyzed in this batch:

|           |           |           |
|-----------|-----------|-----------|
| 2012205-1 | 2012205-2 | 2012205-3 |
| 2012205-4 | 2012205-5 | 2012205-6 |