ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **XSTRATA ZINC CANADA**
**8801 TRANS CANADA HWY**
**SUITE 400**
**SAINT-LAURENT QC H4S 1Z6**


**Finalized Date: 14-NOV-2010**
**Account: XSZNEX**

# CERTIFICATE TB10155380

Project: STURGEON LK DRILLING

P.O. No.:

This report is for 60 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 22-OCT-2010.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| LUCY POTTER | | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-32 | Pulverize 1000g to 85% < 75 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-ICP06 | Whole Rock Package - ICP-AES | ICP-AES |
| OA-GRA05 | Loss on Ignition at 1000C | WST-SEQ |
| ME-MS81 | 38 element fusion ICP-MS | ICP-MS |
| TOT-ICP06 | Total Calculation for ICP06 | ICP-AES |

To: **XSTRATA ZINC CANADA**
**ATTN: LUCY POTTER**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

**Signature:**
Colin Ramshaw, Vancouver Laboratory Manager

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# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method | WEI-21 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Ba | Ce | Co | Cr | Cs | Cu | Dy | Er | Eu | Ga | Gd | Hf | Ho |
| | Units | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.02 | 1 | 0.5 | 0.5 | 0.5 | 10 | 0.01 | 5 | 0.05 | 0.03 | 0.03 | 0.1 | 0.05 | 0.2 | 0.01 |
| I106001 | | 0.89 | <1 | 210 | 12.5 | 43.7 | 30 | 0.40 | 47 | 2.43 | 1.58 | 0.62 | 15.7 | 2.02 | 1.6 | 0.52 |
| I106002 | | 0.96 | <1 | 116.0 | 14.9 | 32.9 | 30 | 0.57 | 54 | 3.09 | 2.07 | 0.69 | 16.3 | 2.52 | 1.8 | 0.67 |
| I106003 | | 0.96 | <1 | 185.0 | 12.4 | 49.6 | 30 | 1.38 | 73 | 2.70 | 1.75 | 0.64 | 14.6 | 2.18 | 1.6 | 0.57 |
| I106004 | | 0.81 | <1 | 221 | 35.3 | 23.9 | 20 | 1.08 | 43 | 2.42 | 1.37 | 0.96 | 18.6 | 2.77 | 4.2 | 0.47 |
| I106005 | | 0.96 | <1 | 133.0 | 20.4 | 3.1 | 20 | 0.70 | <5 | 1.35 | 0.70 | 0.65 | 16.9 | 1.68 | 3.2 | 0.24 |
| I106006 | | 0.89 | <1 | 383 | 32.8 | 11.0 | 30 | 1.08 | <5 | 1.75 | 1.06 | 0.68 | 17.2 | 2.32 | 4.7 | 0.35 |
| I106007 | | 0.96 | <1 | 429 | 26.0 | 2.3 | 20 | 1.43 | <5 | 1.42 | 0.74 | 0.61 | 17.9 | 1.86 | 3.6 | 0.25 |
| I106008 | | 0.90 | <1 | 396 | 21.9 | 3.2 | 10 | 1.42 | <5 | 1.32 | 0.73 | 0.51 | 15.3 | 1.74 | 3.2 | 0.25 |
| I106009 | | 1.01 | <1 | 667 | 42.0 | 24.5 | 10 | 1.26 | 80 | 4.19 | 2.55 | 1.19 | 18.8 | 4.35 | 4.3 | 0.87 |
| I106010 | | 1.03 | <1 | 279 | 36.3 | 33.5 | 230 | 1.14 | 6 | 3.05 | 1.92 | 1.05 | 15.1 | 3.53 | 2.7 | 0.65 |
| I106011 | | 0.89 | <1 | 88.7 | 24.9 | 20.9 | 10 | 0.41 | 57 | 2.82 | 1.79 | 0.73 | 12.4 | 2.81 | 3.0 | 0.58 |
| I106012 | | 0.93 | <1 | 148.0 | 25.9 | 45.0 | 440 | 0.75 | 39 | 2.51 | 1.53 | 0.86 | 14.1 | 2.73 | 1.9 | 0.50 |
| I106013 | | 0.90 | <1 | 234 | 30.9 | 22.4 | 10 | 1.11 | 50 | 3.40 | 2.04 | 0.96 | 13.0 | 3.63 | 3.1 | 0.69 |
| I106014 | | 0.90 | <1 | 208 | 51.0 | 31.8 | 10 | 1.62 | 69 | 5.62 | 3.46 | 1.55 | 19.2 | 5.62 | 4.5 | 1.16 |
| I106015 | | 0.88 | <1 | 261 | 52.1 | 26.4 | 10 | 1.65 | 66 | 5.89 | 3.56 | 1.65 | 21.2 | 5.82 | 4.6 | 1.21 |
| I106016 | | 0.93 | <1 | 237 | 53.0 | 21.9 | 10 | 1.12 | 39 | 5.60 | 3.36 | 1.67 | 21.2 | 5.79 | 4.6 | 1.12 |
| I106017 | | 0.91 | <1 | 237 | 53.2 | 23.5 | 20 | 1.30 | 48 | 5.36 | 3.35 | 1.64 | 21.5 | 5.70 | 5.0 | 1.10 |
| I106018 | | 0.93 | <1 | 200 | 54.1 | 26.4 | 10 | 1.18 | 72 | 5.72 | 3.42 | 1.70 | 19.7 | 5.93 | 4.5 | 1.14 |
| I106019 | | 0.92 | <1 | 493 | 45.7 | 60.9 | 10 | 1.51 | 72 | 4.28 | 2.62 | 1.06 | 19.9 | 4.43 | 4.8 | 0.89 |
| I106020 | | 0.95 | <1 | 314 | 42.3 | 19.5 | 190 | 3.49 | 123 | 3.54 | 2.12 | 1.16 | 20.1 | 3.72 | 3.8 | 0.72 |
| I106021 | | 0.83 | <1 | 338 | 37.9 | 9.3 | 200 | 1.92 | 13 | 2.21 | 1.21 | 1.05 | 22.0 | 2.70 | 3.8 | 0.42 |
| I106022 | | 0.83 | <1 | 127.0 | 34.4 | 17.8 | 180 | 0.88 | 9 | 3.23 | 2.09 | 0.95 | 18.3 | 3.20 | 3.8 | 0.65 |
| I106023 | | 0.88 | <1 | 162.5 | 95.8 | 2.1 | 10 | 0.82 | <5 | 9.08 | 5.59 | 1.94 | 19.9 | 9.48 | 9.9 | 1.85 |
| I106024 | | 0.82 | <1 | 239 | 111.5 | 0.9 | 10 | 0.90 | <5 | 6.64 | 3.69 | 1.70 | 18.6 | 8.66 | 9.5 | 1.24 |
| I106025 | | 0.85 | <1 | 645 | 84.3 | 3.9 | <10 | 0.55 | 22 | 9.02 | 5.86 | 1.61 | 18.8 | 8.63 | 10.6 | 1.88 |
| I106026 | | 0.81 | <1 | 71.1 | 57.8 | 33.7 | 30 | 0.08 | 63 | 5.18 | 2.65 | 1.57 | 18.5 | 6.17 | 4.5 | 0.96 |
| I106027 | | 0.86 | <1 | 427 | 123.0 | 2.9 | 10 | 0.35 | 12 | 11.80 | 7.38 | 2.67 | 21.1 | 13.40 | 12.0 | 2.45 |
| I106028 | | 1.03 | <1 | 76.0 | 47.7 | 12.3 | 30 | 0.16 | 29 | 4.39 | 2.48 | 1.39 | 20.3 | 4.76 | 4.2 | 0.85 |
| I106029 | | 0.85 | <1 | 259 | 52.6 | 23.7 | <10 | 0.47 | 58 | 5.85 | 3.62 | 1.49 | 19.9 | 5.65 | 5.5 | 1.21 |
| I106030 | | 0.89 | <1 | 411 | 91.2 | 2.3 | <10 | 0.67 | 12 | 10.65 | 6.42 | 1.53 | 19.1 | 9.81 | 10.6 | 2.16 |
| I106101 | | 0.88 | <1 | 305 | 33.3 | 33.1 | 220 | 0.73 | 41 | 3.19 | 2.00 | 1.03 | 16.0 | 3.40 | 2.5 | 0.66 |
| I106102 | | 0.85 | <1 | 208 | 30.0 | 11.2 | 20 | 0.62 | 66 | 2.24 | 1.32 | 0.72 | 17.8 | 2.53 | 4.5 | 0.45 |
| I106103 | | 0.83 | 1 | 633 | 37.0 | 359 | 10 | 1.16 | 963 | 1.82 | 0.88 | 0.79 | 15.4 | 2.58 | 3.8 | 0.32 |
| I106104 | | 0.84 | <1 | 253 | 33.5 | 3.0 | 10 | 1.82 | <5 | 1.72 | 0.90 | 0.67 | 19.4 | 2.23 | 3.9 | 0.33 |
| I106105 | | 0.93 | <1 | 285 | 20.8 | 28.8 | 10 | 1.78 | 101 | 3.69 | 2.33 | 1.02 | 19.8 | 3.05 | 2.6 | 0.78 |
| I106106 | | 0.89 | <1 | 224 | 17.4 | 51.0 | 10 | 1.14 | 81 | 3.59 | 2.40 | 0.93 | 18.3 | 2.80 | 2.2 | 0.78 |
| I106107 | | 0.93 | <1 | 211 | 16.9 | 35.7 | 10 | 1.26 | 72 | 3.49 | 2.26 | 0.93 | 17.8 | 2.70 | 2.2 | 0.76 |
| I106108 | | 0.95 | <1 | 182.5 | 17.3 | 45.3 | 10 | 1.38 | 73 | 3.32 | 2.13 | 0.84 | 18.4 | 2.58 | 2.2 | 0.73 |
| I106109 | | 0.93 | <1 | 205 | 15.2 | 46.9 | 10 | 2.16 | 66 | 3.23 | 2.04 | 0.82 | 16.5 | 2.41 | 1.9 | 0.68 |
| I106110 | | 0.91 | <1 | 114.5 | 16.0 | 40.4 | <10 | 0.61 | 80 | 3.30 | 2.22 | 0.81 | 17.1 | 2.58 | 1.9 | 0.74 |

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**Finalized Date: 14-NOV-2010**
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Project: STURGEON LK DRILLING

# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method / Analyte / Units / LOR | ME-MS81 La ppm 0.5 | ME-MS81 Lu ppm 0.01 | ME-MS81 Mo ppm 2 | ME-MS81 Nb ppm 0.2 | ME-MS81 Nd ppm 0.1 | ME-MS81 Ni ppm 5 | ME-MS81 Pb ppm 5 | ME-MS81 Pr ppm 0.03 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I106001 | | 6.1 | 0.22 | <2 | 2.3 | 7.0 | 45 | <5 | 1.57 | 8.1 | 1.79 | 1 | 176.0 | 0.2 | 0.36 | 1.25 |
| I106002 | | 7.1 | 0.32 | <2 | 2.5 | 8.7 | 46 | <5 | 1.92 | 11.1 | 2.23 | 1 | 162.0 | 0.3 | 0.46 | 1.38 |
| I106003 | | 5.9 | 0.26 | <2 | 2.4 | 7.3 | 82 | <5 | 1.61 | 23.9 | 1.88 | 1 | 170.5 | 0.3 | 0.38 | 1.30 |
| I106004 | | 18.1 | 0.20 | 2 | 6.4 | 15.3 | 38 | 8 | 3.97 | 43.3 | 2.80 | 1 | 248 | 0.6 | 0.41 | 3.97 |
| I106005 | | 10.8 | 0.09 | 2 | 5.2 | 8.8 | 10 | <5 | 2.24 | 37.4 | 1.63 | 1 | 134.0 | 0.5 | 0.24 | 2.57 |
| I106006 | | 16.4 | 0.17 | 2 | 7.7 | 14.4 | 16 | 5 | 3.67 | 60.8 | 2.53 | 1 | 156.0 | 0.7 | 0.32 | 3.27 |
| I106007 | | 13.6 | 0.10 | <2 | 5.0 | 11.3 | 6 | <5 | 2.91 | 68.2 | 2.03 | 1 | 148.0 | 0.6 | 0.27 | 2.62 |
| I106008 | | 11.4 | 0.11 | <2 | 4.4 | 9.8 | 7 | <5 | 2.48 | 68.2 | 1.80 | 1 | 124.0 | 0.5 | 0.23 | 2.39 |
| I106009 | | 19.8 | 0.39 | <2 | 8.2 | 21.6 | 35 | 5 | 5.15 | 60.8 | 4.41 | 1 | 222 | 0.7 | 0.69 | 3.29 |
| I106010 | | 15.6 | 0.29 | <2 | 4.6 | 20.7 | 94 | <5 | 4.72 | 34.9 | 3.91 | 1 | 270 | 0.4 | 0.53 | 2.31 |
| I106011 | | 11.3 | 0.28 | <2 | 5.6 | 13.3 | 38 | <5 | 3.12 | 11.6 | 2.80 | <1 | 90.1 | 0.5 | 0.45 | 2.22 |
| I106012 | | 11.2 | 0.23 | <2 | 3.2 | 14.7 | 202 | <5 | 3.36 | 13.7 | 2.86 | 1 | 249 | 0.3 | 0.41 | 1.09 |
| I106013 | | 14.3 | 0.30 | <2 | 5.7 | 16.6 | 33 | <5 | 3.85 | 33.2 | 3.48 | 1 | 154.5 | 0.5 | 0.57 | 2.27 |
| I106014 | | 23.0 | 0.52 | <2 | 9.0 | 27.4 | 32 | 5 | 6.39 | 27.3 | 5.44 | 1 | 206 | 0.7 | 0.89 | 2.44 |
| I106015 | | 23.1 | 0.52 | <2 | 9.5 | 28.7 | 27 | 6 | 6.63 | 36.0 | 5.75 | 2 | 226 | 0.7 | 0.93 | 2.63 |
| I106016 | | 23.5 | 0.50 | <2 | 9.4 | 28.9 | 23 | <5 | 6.67 | 34.8 | 5.71 | 2 | 168.0 | 0.7 | 0.91 | 2.68 |
| I106017 | | 23.7 | 0.48 | <2 | 9.9 | 29.0 | 26 | 5 | 6.74 | 42.8 | 5.68 | 2 | 145.5 | 0.7 | 0.88 | 2.69 |
| I106018 | | 23.9 | 0.49 | <2 | 8.7 | 29.3 | 26 | 9 | 6.77 | 31.7 | 5.85 | 1 | 146.0 | 0.7 | 0.91 | 2.53 |
| I106019 | | 21.7 | 0.40 | <2 | 8.5 | 23.2 | 89 | 6 | 5.57 | 59.4 | 4.46 | 2 | 130.5 | 0.7 | 0.70 | 3.51 |
| I106020 | | 20.0 | 0.33 | <2 | 6.6 | 19.9 | 54 | 12 | 4.97 | 76.7 | 3.70 | 1 | 95.3 | 0.6 | 0.58 | 2.77 |
| I106021 | | 18.8 | 0.14 | <2 | 6.9 | 16.1 | 29 | 7 | 4.25 | 65.7 | 2.77 | 1 | 252 | 0.6 | 0.39 | 2.65 |
| I106022 | | 16.1 | 0.33 | <2 | 6.3 | 16.6 | 61 | <5 | 4.06 | 45.7 | 3.26 | 1 | 122.5 | 0.5 | 0.53 | 2.40 |
| I106023 | | 44.8 | 0.82 | <2 | 19.9 | 47.9 | 10 | 5 | 11.65 | 45.1 | 9.58 | 3 | 126.0 | 1.5 | 1.48 | 7.64 |
| I106024 | | 52.9 | 0.56 | 2 | 20.0 | 53.8 | 6 | 8 | 13.30 | 38.7 | 9.78 | 4 | 229 | 1.6 | 1.21 | 8.99 |
| I106025 | | 37.1 | 0.88 | <2 | 21.5 | 41.5 | 8 | <5 | 10.30 | 34.3 | 8.26 | 3 | 140.5 | 1.6 | 1.45 | 8.78 |
| I106026 | | 26.7 | 0.40 | <2 | 9.6 | 29.9 | 29 | <5 | 7.03 | 2.5 | 6.05 | 1 | 120.5 | 0.7 | 0.92 | 3.05 |
| I106027 | | 52.6 | 1.09 | 2 | 25.2 | 69.4 | 15 | <5 | 16.00 | 25.7 | 14.30 | 3 | 195.0 | 1.8 | 2.00 | 8.26 |
| I106028 | | 22.9 | 0.35 | <2 | 7.3 | 23.9 | 37 | 9 | 5.67 | 3.9 | 4.70 | 1 | 167.0 | 0.6 | 0.74 | 3.67 |
| I106029 | | 24.0 | 0.53 | <2 | 11.0 | 28.0 | 15 | 12 | 6.58 | 56.5 | 5.72 | 2 | 62.6 | 0.9 | 0.93 | 3.80 |
| I106030 | | 41.5 | 0.95 | 3 | 21.3 | 46.7 | 7 | 13 | 11.30 | 59.3 | 9.58 | 3 | 117.5 | 1.6 | 1.67 | 7.12 |
| I106101 | | 14.5 | 0.30 | <2 | 4.3 | 18.7 | 77 | <5 | 4.34 | 25.3 | 3.50 | 1 | 221 | 0.4 | 0.53 | 1.52 |
| I106102 | | 14.7 | 0.22 | 5 | 6.7 | 13.8 | 19 | 6 | 3.48 | 36.8 | 2.62 | 2 | 107.5 | 0.7 | 0.36 | 3.08 |
| I106103 | | 18.5 | 0.11 | 35 | 6.9 | 15.3 | 1385 | 11 | 4.28 | 74.6 | 2.84 | 1 | 61.0 | 0.5 | 0.35 | 2.40 |
| I106104 | | 16.9 | 0.12 | 2 | 7.1 | 13.9 | 6 | <5 | 3.79 | 81.7 | 2.59 | <1 | 50.8 | 0.6 | 0.32 | 2.48 |
| I106105 | | 9.5 | 0.35 | <2 | 3.6 | 11.2 | 25 | 6 | 2.70 | 37.3 | 2.83 | 1 | 165.0 | 0.3 | 0.56 | 1.99 |
| I106106 | | 8.1 | 0.36 | <2 | 3.1 | 9.7 | 25 | <5 | 2.29 | 31.7 | 2.55 | 1 | 149.0 | 0.2 | 0.55 | 1.63 |
| I106107 | | 7.9 | 0.35 | <2 | 3.0 | 9.4 | 24 | <5 | 2.25 | 28.6 | 2.44 | 1 | 145.0 | 0.2 | 0.52 | 1.55 |
| I106108 | | 8.1 | 0.33 | <2 | 3.1 | 9.4 | 34 | <5 | 2.23 | 24.6 | 2.36 | 1 | 201 | 0.2 | 0.50 | 1.59 |
| I106109 | | 7.1 | 0.31 | <2 | 2.6 | 8.4 | 30 | <5 | 1.98 | 37.5 | 2.26 | 1 | 129.0 | 0.2 | 0.45 | 1.38 |
| I106110 | | 7.4 | 0.34 | <2 | 2.9 | 8.8 | 21 | <5 | 2.09 | 13.8 | 2.29 | 1 | 142.5 | 0.2 | 0.49 | 1.51 |

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# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method / Analyte / Units / LOR | ME-MS81 Tl ppm 0.5 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.5 | ME-MS81 Yb ppm 0.03 | ME-MS81 Zn ppm 5 | ME-MS81 Zr ppm 2 | ME-ICP06 SiO2 % 0.01 | ME-ICP06 Al2O3 % 0.01 | ME-ICP06 Fe2O3 % 0.01 | ME-ICP06 CaO % 0.01 | ME-ICP06 MgO % 0.01 | ME-ICP06 Na2O % 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I106001 | | <0.5 | 0.24 | 1.41 | 235 | 1 | 13.5 | 1.46 | 70 | 58 | 49.6 | 14.10 | 9.19 | 10.60 | 4.25 | 2.32 |
| I106002 | | <0.5 | 0.31 | 0.64 | 251 | 1 | 18.1 | 2.07 | 81 | 64 | 47.3 | 13.20 | 11.40 | 9.39 | 3.97 | 2.54 |
| I106003 | | <0.5 | 0.27 | 0.42 | 209 | 1 | 15.1 | 1.69 | 91 | 60 | 47.3 | 13.00 | 8.62 | 10.25 | 5.21 | 1.66 |
| I106004 | | <0.5 | 0.20 | 1.05 | 50 | 2 | 12.9 | 1.27 | 489 | 162 | 69.4 | 14.20 | 3.03 | 2.55 | 0.83 | 2.61 |
| I106005 | | <0.5 | 0.10 | 0.51 | 25 | 2 | 7.0 | 0.61 | 25 | 133 | 67.7 | 13.60 | 2.82 | 4.27 | 0.54 | 4.72 |
| I106006 | | <0.5 | 0.17 | 0.87 | 47 | 2 | 9.2 | 1.01 | 56 | 191 | 70.8 | 12.95 | 3.60 | 2.14 | 0.87 | 1.53 |
| I106007 | | <0.5 | 0.11 | 0.48 | 32 | 1 | 6.4 | 0.65 | 13 | 131 | 66.6 | 14.45 | 1.58 | 4.81 | 0.39 | 0.72 |
| I106008 | | <0.5 | 0.11 | 0.81 | 17 | 1 | 6.4 | 0.72 | 18 | 119 | 71.0 | 13.55 | 2.07 | 1.91 | 0.65 | 0.87 |
| I106009 | | <0.5 | 0.39 | 0.75 | 152 | 1 | 23.2 | 2.45 | 249 | 174 | 53.0 | 13.80 | 13.35 | 4.26 | 3.19 | 0.92 |
| I106010 | | <0.5 | 0.29 | 0.45 | 158 | 2 | 16.8 | 1.80 | 97 | 107 | 43.5 | 12.90 | 9.77 | 10.30 | 4.54 | 2.01 |
| I106011 | | <0.5 | 0.27 | 0.63 | 112 | 2 | 15.7 | 1.82 | 107 | 127 | 57.2 | 9.65 | 13.90 | 5.83 | 2.77 | 0.63 |
| I106012 | | <0.5 | 0.22 | 0.24 | 141 | 1 | 13.3 | 1.45 | 86 | 72 | 44.3 | 13.90 | 10.20 | 10.35 | 5.47 | 2.00 |
| I106013 | | <0.5 | 0.30 | 0.49 | 116 | 2 | 17.0 | 1.90 | 132 | 123 | 62.0 | 9.95 | 10.90 | 4.70 | 3.41 | 0.78 |
| I106014 | | <0.5 | 0.52 | 0.60 | 199 | 1 | 31.4 | 3.30 | 155 | 187 | 50.4 | 14.20 | 13.30 | 6.00 | 2.68 | 3.16 |
| I106015 | | <0.5 | 0.53 | 0.30 | 228 | 1 | 32.5 | 3.40 | 156 | 181 | 49.5 | 15.10 | 13.10 | 7.08 | 2.59 | 2.49 |
| I106016 | | <0.5 | 0.51 | 0.46 | 225 | 1 | 30.0 | 3.22 | 96 | 190 | 55.2 | 15.00 | 12.00 | 5.62 | 1.67 | 3.16 |
| I106017 | | <0.5 | 0.49 | 0.46 | 216 | 1 | 29.5 | 3.08 | 92 | 205 | 57.1 | 15.45 | 12.05 | 4.48 | 1.50 | 3.13 |
| I106018 | | <0.5 | 0.51 | 0.40 | 202 | 6 | 29.7 | 3.18 | 125 | 180 | 55.0 | 14.20 | 13.00 | 6.02 | 1.84 | 2.31 |
| I106019 | | 0.9 | 0.40 | 0.79 | 155 | 1 | 22.6 | 2.54 | 157 | 183 | 57.9 | 14.95 | 11.85 | 2.73 | 2.38 | 1.14 |
| I106020 | | 1.2 | 0.33 | 0.51 | 151 | 1 | 18.6 | 2.05 | 116 | 154 | 61.4 | 17.55 | 7.87 | 3.50 | 1.42 | 0.71 |
| I106021 | | <0.5 | 0.18 | 0.56 | 139 | 1 | 11.3 | 0.99 | 24 | 159 | 65.8 | 18.45 | 2.06 | 4.08 | 0.77 | 2.21 |
| I106022 | | <0.5 | 0.32 | 0.64 | 177 | 1 | 15.5 | 2.07 | 128 | 162 | 64.5 | 15.60 | 8.85 | 2.11 | 1.51 | 0.70 |
| I106023 | | <0.5 | 0.83 | 1.50 | 7 | 2 | 46.4 | 5.32 | 72 | 374 | 77.0 | 11.65 | 3.48 | 0.80 | 1.04 | 0.89 |
| I106024 | | <0.5 | 0.55 | 1.04 | <5 | 2 | 30.6 | 3.63 | 45 | 282 | 80.7 | 11.20 | 1.53 | 0.64 | 0.29 | 1.13 |
| I106025 | | <0.5 | 0.90 | 1.69 | 5 | 3 | 51.0 | 5.70 | 71 | 390 | 77.0 | 10.90 | 4.20 | 0.77 | 1.42 | 0.21 |
| I106026 | | <0.5 | 0.38 | 0.68 | 139 | 3 | 23.9 | 2.55 | 118 | 158 | 66.2 | 12.05 | 8.87 | 1.85 | 3.28 | 0.18 |
| I106027 | | <0.5 | 1.07 | 1.82 | 7 | 4 | 64.7 | 7.05 | 70 | 460 | 74.2 | 11.75 | 4.78 | 0.86 | 1.94 | 0.21 |
| I106028 | | <0.5 | 0.37 | 0.82 | 151 | 1 | 21.6 | 2.29 | 207 | 159 | 58.2 | 17.45 | 9.25 | 5.49 | 4.23 | 0.19 |
| I106029 | | <0.5 | 0.56 | 0.93 | 197 | 2 | 31.3 | 3.49 | 357 | 215 | 57.2 | 13.05 | 9.64 | 2.69 | 4.66 | 0.14 |
| I106030 | | <0.5 | 0.98 | 1.69 | <5 | 2 | 57.8 | 6.12 | 186 | 410 | 75.2 | 10.30 | 5.47 | 0.05 | 1.90 | 0.13 |
| I106101 | | <0.5 | 0.29 | 0.35 | 171 | 2 | 17.5 | 1.88 | 89 | 99 | 48.4 | 13.90 | 12.15 | 8.20 | 2.76 | 2.01 |
| I106102 | | <0.5 | 0.21 | 0.73 | 45 | 1 | 11.7 | 1.35 | 318 | 167 | 65.4 | 12.50 | 7.53 | 2.58 | 1.03 | 3.19 |
| I106103 | | <0.5 | 0.12 | 0.66 | 38 | <1 | 9.0 | 0.74 | 54 | 154 | 63.6 | 13.95 | 3.11 | 3.98 | 0.88 | 0.11 |
| I106104 | | <0.5 | 0.12 | 0.63 | 48 | 1 | 9.3 | 0.79 | 16 | 162 | 64.5 | 14.45 | 1.92 | 2.59 | 1.45 | 0.21 |
| I106105 | | <0.5 | 0.34 | 0.51 | 330 | 1 | 20.1 | 2.33 | 74 | 93 | 54.9 | 15.45 | 8.73 | 5.88 | 1.58 | 2.49 |
| I106106 | | <0.5 | 0.35 | 0.40 | 293 | <1 | 21.6 | 2.40 | 106 | 79 | 48.4 | 14.75 | 11.80 | 7.80 | 2.71 | 2.28 |
| I106107 | | <0.5 | 0.34 | 0.40 | 281 | <1 | 20.8 | 2.31 | 104 | 80 | 51.8 | 14.10 | 11.65 | 5.93 | 2.20 | 2.17 |
| I106108 | | <0.5 | 0.32 | 0.39 | 293 | <1 | 19.8 | 2.21 | 76 | 77 | 51.1 | 15.70 | 11.00 | 6.86 | 1.95 | 2.80 |
| I106109 | | <0.5 | 0.28 | 0.35 | 256 | <1 | 19.0 | 2.04 | 93 | 68 | 47.3 | 14.45 | 9.97 | 10.55 | 2.60 | 2.05 |
| I106110 | | <0.5 | 0.34 | 0.38 | 268 | <1 | 20.0 | 2.17 | 99 | 72 | 46.8 | 14.15 | 11.70 | 8.75 | 3.29 | 1.90 |

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To: **XSTRATA ZINC CANADA**
**8801 TRANS CANADA HWY**
**SUITE 400**
**SAINT-LAURENT QC H4S 1Z6**


**Finalized Date: 14-NOV-2010**
**Account: XSZNEX**

Project: STURGEON LK DRILLING

# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | OA-GRA05 | TOT-ICP06 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | K2O | Cr2O3 | TiO2 | MnO | P2O5 | SrO | BaO | LOI | Total |
| | Units | % | % | % | % | % | % | % | % | % |
| | LOR | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| I106001 | | 0.27 | <0.01 | 0.75 | 0.28 | 0.07 | 0.02 | 0.03 | 8.72 | 100.0 |
| I106002 | | 0.41 | <0.01 | 0.77 | 0.25 | 0.08 | 0.02 | 0.01 | 11.30 | 100.5 |
| I106003 | | 0.94 | <0.01 | 0.69 | 0.20 | 0.06 | 0.02 | 0.02 | 13.65 | 101.5 |
| I106004 | | 1.38 | <0.01 | 0.45 | 0.04 | 0.10 | 0.03 | 0.03 | 2.90 | 97.6 |
| I106005 | | 1.28 | <0.01 | 0.33 | 0.08 | 0.09 | 0.01 | 0.02 | 3.90 | 99.4 |
| I106006 | | 1.98 | <0.01 | 0.50 | 0.07 | 0.13 | 0.02 | 0.05 | 2.90 | 97.5 |
| I106007 | | 3.44 | <0.01 | 0.36 | 0.04 | 0.10 | 0.02 | 0.06 | 5.46 | 98.0 |
| I106008 | | 2.78 | 0.01 | 0.30 | 0.05 | 0.08 | 0.02 | 0.04 | 4.47 | 97.8 |
| I106009 | | 1.96 | <0.01 | 0.99 | 0.18 | 0.17 | 0.03 | 0.08 | 6.77 | 98.7 |
| I106010 | | 1.10 | 0.02 | 0.86 | 0.20 | 0.19 | 0.03 | 0.03 | 14.15 | 99.6 |
| I106011 | | 0.39 | <0.01 | 0.69 | 0.34 | 0.12 | 0.01 | 0.01 | 7.80 | 99.3 |
| I106012 | | 0.53 | 0.06 | 0.70 | 0.21 | 0.12 | 0.03 | 0.02 | 12.90 | 101.0 |
| I106013 | | 1.17 | <0.01 | 0.71 | 0.24 | 0.16 | 0.02 | 0.03 | 5.39 | 99.5 |
| I106014 | | 0.74 | <0.01 | 1.28 | 0.24 | 0.30 | 0.02 | 0.02 | 6.57 | 98.9 |
| I106015 | | 1.11 | <0.01 | 1.37 | 0.25 | 0.31 | 0.02 | 0.03 | 6.09 | 99.0 |
| I106016 | | 1.14 | <0.01 | 1.47 | 0.22 | 0.32 | 0.02 | 0.03 | 5.28 | 101.0 |
| I106017 | | 1.32 | <0.01 | 1.51 | 0.19 | 0.33 | 0.02 | 0.03 | 1.99 | 99.1 |
| I106018 | | 0.88 | <0.01 | 1.39 | 0.31 | 0.31 | 0.02 | 0.02 | 6.10 | 101.5 |
| I106019 | | 1.72 | <0.01 | 1.05 | 0.14 | 0.14 | 0.01 | 0.06 | 6.29 | 100.5 |
| I106020 | | 2.98 | 0.02 | 0.81 | 0.14 | 0.17 | 0.01 | 0.04 | 2.99 | 99.6 |
| I106021 | | 2.61 | 0.02 | 0.85 | 0.03 | 0.15 | 0.03 | 0.04 | 2.80 | 99.9 |
| I106022 | | 2.08 | 0.02 | 0.74 | 0.19 | 0.06 | 0.01 | 0.02 | 2.89 | 99.3 |
| I106023 | | 1.58 | <0.01 | 0.27 | 0.08 | 0.02 | 0.01 | 0.02 | 2.40 | 99.2 |
| I106024 | | 1.16 | <0.01 | 0.28 | 0.05 | 0.07 | 0.03 | 0.03 | 2.79 | 99.9 |
| I106025 | | 1.18 | <0.01 | 0.27 | 0.07 | 0.04 | 0.02 | 0.08 | 2.89 | 99.1 |
| I106026 | | 0.09 | <0.01 | 0.88 | 0.13 | 0.23 | 0.01 | 0.01 | 4.48 | 98.3 |
| I106027 | | 0.92 | <0.01 | 0.27 | 0.03 | 0.06 | 0.02 | 0.05 | 4.27 | 99.4 |
| I106028 | | 0.14 | <0.01 | 0.88 | 0.20 | 0.20 | 0.02 | 0.01 | 2.70 | 99.0 |
| I106029 | | 2.29 | <0.01 | 1.14 | 0.44 | 0.18 | 0.01 | 0.03 | 6.79 | 98.3 |
| I106030 | | 2.36 | <0.01 | 0.22 | 0.11 | 0.01 | 0.01 | 0.05 | 2.49 | 98.3 |
| I106101 | | 0.85 | 0.02 | 0.88 | 0.44 | 0.16 | 0.03 | 0.04 | 10.90 | 100.5 |
| I106102 | | 1.36 | <0.01 | 0.41 | 0.24 | 0.10 | 0.01 | 0.03 | 4.35 | 98.7 |
| I106103 | | 5.37 | <0.01 | 0.38 | 0.09 | 0.14 | 0.01 | 0.07 | 4.96 | 96.7 |
| I106104 | | 4.30 | <0.01 | 0.40 | 0.06 | 0.16 | <0.01 | 0.03 | 6.24 | 96.3 |
| I106105 | | 1.24 | <0.01 | 1.08 | 0.23 | 0.11 | 0.02 | 0.03 | 5.14 | 96.9 |
| I106106 | | 0.79 | <0.01 | 0.91 | 0.34 | 0.10 | 0.02 | 0.03 | 8.06 | 98.0 |
| I106107 | | 0.75 | <0.01 | 0.90 | 0.28 | 0.09 | 0.02 | 0.02 | 7.03 | 96.9 |
| I106108 | | 0.67 | <0.01 | 0.94 | 0.36 | 0.09 | 0.02 | 0.02 | 7.39 | 98.9 |
| I106109 | | 0.71 | <0.01 | 0.79 | 0.37 | 0.09 | 0.01 | 0.02 | 9.76 | 98.7 |
| I106110 | | 0.34 | <0.01 | 0.88 | 0.25 | 0.09 | 0.02 | 0.01 | 8.70 | 96.9 |

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To: **XSTRATA ZINC CANADA**
**8801 TRANS CANADA HWY**
**SUITE 400**
**SAINT-LAURENT QC H4S 1Z6**


**Finalized Date: 14-NOV-2010**
**Account: XSZNEX**

Project: STURGEON LK DRILLING

# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-MS81 Ag ppm 1 | ME-MS81 Ba ppm 0.5 | ME-MS81 Ce ppm 0.5 | ME-MS81 Co ppm 0.5 | ME-MS81 Cr ppm 10 | ME-MS81 Cs ppm 0.01 | ME-MS81 Cu ppm 5 | ME-MS81 Dy ppm 0.05 | ME-MS81 Er ppm 0.03 | ME-MS81 Eu ppm 0.03 | ME-MS81 Ga ppm 0.1 | ME-MS81 Gd ppm 0.05 | ME-MS81 Hf ppm 0.2 | ME-MS81 Ho ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I106111 | | 0.96 | <1 | 56.1 | 14.9 | 41.0 | 10 | 0.17 | 65 | 3.25 | 2.03 | 0.78 | 15.7 | 2.47 | 1.9 | 0.69 |
| I106112 | | 0.94 | <1 | 33.4 | 12.1 | 39.1 | 20 | 0.27 | 31 | 2.98 | 1.88 | 0.71 | 14.8 | 2.21 | 1.6 | 0.63 |
| I106113 | | 0.95 | <1 | 288 | 24.7 | 43.3 | 50 | 0.89 | 141 | 2.94 | 1.78 | 0.80 | 15.3 | 2.43 | 1.7 | 0.60 |
| I106114 | | 0.93 | <1 | 20.4 | 10.3 | 48.0 | 40 | 0.23 | 106 | 2.35 | 1.51 | 0.56 | 13.3 | 1.77 | 1.3 | 0.51 |
| I106115 | | 0.88 | <1 | 130.5 | 11.2 | 43.2 | 30 | 0.78 | 80 | 2.35 | 1.52 | 0.63 | 14.7 | 1.79 | 1.4 | 0.49 |
| I106116 | | 0.81 | <1 | 498 | 34.3 | 7.9 | 30 | 2.11 | 8 | 1.84 | 1.23 | 0.68 | 23.9 | 2.19 | 4.1 | 0.41 |
| I106117 | | 0.97 | <1 | 231 | 32.6 | 20.7 | 130 | 0.59 | 15 | 2.86 | 1.76 | 0.94 | 15.2 | 2.77 | 3.0 | 0.60 |
| I106118 | | 1.00 | <1 | 882 | 74.3 | 12.4 | 10 | 1.23 | 42 | 5.98 | 3.59 | 1.41 | 17.1 | 5.97 | 6.8 | 1.20 |
| I106119 | | 0.94 | <1 | 154.5 | 26.0 | 32.1 | 70 | 1.38 | 64 | 2.77 | 1.75 | 0.83 | 11.9 | 2.65 | 2.1 | 0.57 |
| I106120 | | 0.93 | <1 | 142.5 | 25.9 | 20.3 | 70 | 4.79 | 52 | 2.51 | 1.58 | 0.83 | 11.9 | 2.52 | 2.1 | 0.53 |
| I106121 | | 1.01 | <1 | 511 | 42.7 | 23.1 | 100 | 1.70 | 54 | 4.76 | 2.78 | 1.29 | 21.6 | 4.66 | 3.9 | 0.96 |
| I106122 | | 0.92 | <1 | 55.6 | 26.7 | 52.6 | 740 | 0.28 | 34 | 2.50 | 1.51 | 0.87 | 11.5 | 2.58 | 1.7 | 0.52 |
| I106123 | | 0.92 | <1 | 294 | 38.9 | 26.7 | 450 | 2.35 | 9 | 2.46 | 1.46 | 1.01 | 14.2 | 2.89 | 2.4 | 0.49 |
| I106124 | | 0.88 | <1 | 410 | 36.4 | 5.5 | 20 | 1.12 | 17 | 1.57 | 0.84 | 0.82 | 20.8 | 2.28 | 4.1 | 0.29 |
| I106125 | | 0.93 | <1 | 208 | 32.0 | 1.0 | 20 | 0.63 | 12 | 1.41 | 0.67 | 0.78 | 17.1 | 2.06 | 3.4 | 0.25 |
| I106126 | | 0.86 | <1 | 489 | 31.9 | 1.2 | 10 | 1.53 | 39 | 1.47 | 0.74 | 0.73 | 17.6 | 2.04 | 3.9 | 0.26 |
| I106127 | | 0.88 | <1 | 418 | 34.4 | 1.0 | 20 | 0.85 | 11 | 1.57 | 0.73 | 0.75 | 16.6 | 2.21 | 3.9 | 0.28 |
| I106128 | | 0.87 | <1 | 128.5 | 27.3 | 5.2 | 10 | 0.65 | <5 | 1.65 | 0.86 | 0.78 | 13.2 | 2.06 | 3.3 | 0.31 |
| I106129 | | 0.88 | <1 | 75.7 | 31.6 | 41.2 | 30 | 0.28 | 191 | 3.31 | 2.12 | 0.87 | 16.2 | 2.77 | 1.9 | 0.68 |
| I106130 | | 0.90 | <1 | 46.6 | 13.6 | 44.0 | 20 | 0.28 | 53 | 2.90 | 1.91 | 0.76 | 15.6 | 2.25 | 1.7 | 0.64 |

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To: **XSTRATA ZINC CANADA**
**8801 TRANS CANADA HWY**
**SUITE 400**
**SAINT-LAURENT QC H4S 1Z6**


**Finalized Date: 14-NOV-2010**
**Account: XSZNEX**

Project: STURGEON LK DRILLING

# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method / Analyte / Units / LOR | ME-MS81 La ppm 0.5 | ME-MS81 Lu ppm 0.01 | ME-MS81 Mo ppm 2 | ME-MS81 Nb ppm 0.2 | ME-MS81 Nd ppm 0.1 | ME-MS81 Ni ppm 5 | ME-MS81 Pb ppm 5 | ME-MS81 Pr ppm 0.03 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I106111 | | 6.8 | 0.31 | <2 | 2.6 | 8.2 | 30 | <5 | 1.95 | 1.4 | 2.17 | 1 | 191.0 | 0.2 | 0.48 | 1.34 |
| I106112 | | 5.1 | 0.28 | <2 | 2.3 | 7.3 | 34 | <5 | 1.68 | 1.5 | 1.98 | <1 | 162.5 | 0.2 | 0.43 | 1.25 |
| I106113 | | 12.0 | 0.26 | <2 | 2.4 | 11.8 | 56 | <5 | 3.04 | 33.1 | 2.46 | <1 | 156.0 | 0.2 | 0.42 | 2.27 |
| I106114 | | 5.0 | 0.23 | <2 | 1.8 | 5.9 | 59 | <5 | 1.38 | 2.1 | 1.49 | <1 | 224 | 0.1 | 0.34 | 0.95 |
| I106115 | | 5.2 | 0.22 | <2 | 2.0 | 6.4 | 42 | <5 | 1.47 | 17.6 | 1.61 | <1 | 155.0 | 0.1 | 0.34 | 0.97 |
| I106116 | | 17.1 | 0.21 | <2 | 5.5 | 13.9 | 20 | 5 | 3.90 | 71.7 | 2.48 | 2 | 277 | 0.5 | 0.32 | 4.79 |
| I106117 | | 15.8 | 0.25 | <2 | 5.6 | 14.5 | 95 | 6 | 3.94 | 37.3 | 2.97 | 1 | 185.5 | 0.4 | 0.46 | 2.29 |
| I106118 | | 35.4 | 0.53 | <2 | 12.3 | 32.3 | 13 | <5 | 8.97 | 96.6 | 6.14 | 2 | 148.5 | 0.9 | 0.98 | 6.36 |
| I106119 | | 12.2 | 0.26 | <2 | 3.6 | 12.4 | 86 | <5 | 3.23 | 20.6 | 2.68 | 1 | 144.5 | 0.3 | 0.44 | 1.40 |
| I106120 | | 12.1 | 0.23 | <2 | 3.8 | 12.3 | 54 | <5 | 3.22 | 29.1 | 2.51 | 1 | 152.5 | 0.3 | 0.40 | 1.49 |
| I106121 | | 19.6 | 0.39 | 5 | 6.4 | 20.7 | 57 | 5 | 5.31 | 46.3 | 4.56 | 2 | 243 | 0.5 | 0.76 | 2.71 |
| I106122 | | 11.6 | 0.23 | <2 | 2.9 | 14.2 | 284 | <5 | 3.55 | 3.4 | 2.86 | <1 | 228 | 0.2 | 0.41 | 1.01 |
| I106123 | | 16.9 | 0.21 | <2 | 4.4 | 19.1 | 113 | <5 | 5.04 | 31.9 | 3.28 | 1 | 232 | 0.3 | 0.44 | 1.54 |
| I106124 | | 18.7 | 0.10 | <2 | 7.3 | 14.3 | 14 | <5 | 4.06 | 73.3 | 2.51 | 2 | 87.0 | 0.6 | 0.31 | 2.58 |
| I106125 | | 16.4 | 0.08 | <2 | 6.1 | 13.0 | <5 | <5 | 3.62 | 50.9 | 2.31 | 1 | 132.0 | 0.5 | 0.28 | 2.13 |
| I106126 | | 15.9 | 0.08 | <2 | 7.0 | 12.7 | <5 | <5 | 3.56 | 56.2 | 2.35 | 1 | 197.5 | 0.6 | 0.29 | 2.43 |
| I106127 | | 17.3 | 0.08 | <2 | 8.2 | 14.2 | <5 | <5 | 3.95 | 42.8 | 2.61 | 1 | 171.0 | 0.6 | 0.30 | 2.49 |
| I106128 | | 13.1 | 0.10 | <2 | 6.3 | 12.0 | 5 | <5 | 3.22 | 19.4 | 2.29 | <1 | 130.0 | 0.4 | 0.29 | 2.05 |
| I106129 | | 19.9 | 0.30 | <2 | 4.6 | 11.6 | 47 | 6 | 3.33 | 8.2 | 2.47 | 1 | 301 | 0.2 | 0.50 | 1.67 |
| I106130 | | 6.4 | 0.27 | <2 | 2.4 | 7.5 | 38 | <5 | 1.76 | 2.9 | 1.98 | <1 | 272 | 0.2 | 0.43 | 1.21 |

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**SAINT-LAURENT QC H4S 1Z6**


**Finalized Date: 14-NOV-2010**
**Account: XSZNEX**

Project: STURGEON LK DRILLING

# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method / Analyte / Units / LOR | ME-MS81 Tl ppm 0.5 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.5 | ME-MS81 Yb ppm 0.03 | ME-MS81 Zn ppm 5 | ME-MS81 Zr ppm 2 | ME-ICP06 SiO2 % 0.01 | ME-ICP06 Al2O3 % 0.01 | ME-ICP06 Fe2O3 % 0.01 | ME-ICP06 CaO % 0.01 | ME-ICP06 MgO % 0.01 | ME-ICP06 Na2O % 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I106111 | | <0.5 | 0.30 | 0.31 | 294 | <1 | 19.3 | 2.09 | 80 | 64 | 47.3 | 13.55 | 10.85 | 10.15 | 3.82 | 1.83 |
| I106112 | | <0.5 | 0.29 | 0.33 | 226 | <1 | 16.8 | 1.91 | 48 | 58 | 47.5 | 13.70 | 9.56 | 9.23 | 5.67 | 2.53 |
| I106113 | | <0.5 | 0.25 | 0.49 | 228 | <1 | 16.6 | 1.76 | 64 | 61 | 44.3 | 14.10 | 9.90 | 10.65 | 3.51 | 3.27 |
| I106114 | | <0.5 | 0.22 | 0.25 | 204 | <1 | 13.7 | 1.51 | 75 | 46 | 46.1 | 13.00 | 9.97 | 10.25 | 6.11 | 1.61 |
| I106115 | | <0.5 | 0.22 | 0.25 | 239 | <1 | 13.9 | 1.54 | 92 | 48 | 42.5 | 13.80 | 11.25 | 11.15 | 4.42 | 2.06 |
| I106116 | | 0.6 | 0.19 | 1.12 | 68 | 1 | 11.8 | 1.39 | 48 | 138 | 56.0 | 18.25 | 6.61 | 2.91 | 1.04 | 3.46 |
| I106117 | | <0.5 | 0.25 | 0.52 | 120 | 1 | 17.4 | 1.75 | 97 | 121 | 51.5 | 13.80 | 7.92 | 6.35 | 3.09 | 3.33 |
| I106118 | | <0.5 | 0.53 | 1.43 | 52 | 1 | 34.7 | 3.64 | 119 | 261 | 60.1 | 13.55 | 7.85 | 3.62 | 1.50 | 1.14 |
| I106119 | | <0.5 | 0.25 | 0.35 | 129 | <1 | 17.4 | 1.71 | 138 | 81 | 33.6 | 10.35 | 18.10 | 10.25 | 4.97 | 1.10 |
| I106120 | | <0.5 | 0.22 | 0.35 | 119 | <1 | 15.0 | 1.50 | 169 | 80 | 37.2 | 10.85 | 17.85 | 8.01 | 4.31 | 1.82 |
| I106121 | | <0.5 | 0.40 | 0.59 | 269 | <1 | 26.3 | 2.60 | 90 | 158 | 54.0 | 18.75 | 10.05 | 3.76 | 1.55 | 2.89 |
| I106122 | | <0.5 | 0.22 | 0.24 | 116 | <1 | 14.9 | 1.55 | 111 | 67 | 43.8 | 11.55 | 18.00 | 7.58 | 3.60 | 1.28 |
| I106123 | | <0.5 | 0.21 | 0.39 | 119 | 1 | 13.8 | 1.45 | 52 | 93 | 57.2 | 16.70 | 7.64 | 5.26 | 1.85 | 2.57 |
| I106124 | | <0.5 | 0.11 | 0.67 | 48 | <1 | 8.6 | 0.72 | 33 | 162 | 71.1 | 15.15 | 1.18 | 1.10 | 0.39 | 1.80 |
| I106125 | | <0.5 | 0.09 | 0.58 | 42 | <1 | 7.3 | 0.58 | 15 | 137 | 70.0 | 12.75 | 1.02 | 4.15 | 0.27 | 1.51 |
| I106126 | | <0.5 | 0.09 | 0.58 | 44 | <1 | 7.3 | 0.63 | 41 | 155 | 63.5 | 14.30 | 2.43 | 3.72 | 0.50 | 1.64 |
| I106127 | | <0.5 | 0.09 | 0.61 | 35 | <1 | 7.8 | 0.63 | 13 | 154 | 72.4 | 14.35 | 1.08 | 2.08 | 0.28 | 3.01 |
| I106128 | | <0.5 | 0.11 | 0.49 | 32 | <1 | 8.5 | 0.72 | 21 | 129 | 69.4 | 11.55 | 2.56 | 5.17 | 0.66 | 3.08 |
| I106129 | | <0.5 | 0.31 | 0.43 | 251 | <1 | 18.9 | 2.14 | 87 | 70 | 49.2 | 14.40 | 9.28 | 8.37 | 4.53 | 2.79 |
| I106130 | | <0.5 | 0.28 | 0.30 | 256 | <1 | 17.5 | 1.89 | 95 | 58 | 47.6 | 14.00 | 11.50 | 9.93 | 4.06 | 2.18 |

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**Finalized Date: 14-NOV-2010**
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Project: STURGEON LK DRILLING

# CERTIFICATE OF ANALYSIS TB10155380

| Sample Description | Method / Analyte / Units / LOR | ME-ICP06 K2O % 0.01 | ME-ICP06 Cr2O3 % 0.01 | ME-ICP06 TiO2 % 0.01 | ME-ICP06 MnO % 0.01 | ME-ICP06 P2O5 % 0.01 | ME-ICP06 SrO % 0.01 | ME-ICP06 BaO % 0.01 | OA-GRA05 LOI % 0.01 | TOT-ICP06 Total % 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|
| I106111 | | 0.05 | <0.01 | 0.89 | 0.23 | 0.07 | 0.02 | 0.01 | 9.34 | 98.1 |
| I106112 | | 0.05 | <0.01 | 0.70 | 0.14 | 0.07 | 0.02 | <0.01 | 9.58 | 98.8 |
| I106113 | | 0.77 | 0.01 | 0.68 | 0.21 | 0.08 | 0.02 | 0.03 | 11.85 | 99.4 |
| I106114 | | 0.06 | 0.01 | 0.56 | 0.19 | 0.06 | 0.02 | <0.01 | 11.05 | 99.0 |
| I106115 | | 0.49 | <0.01 | 0.65 | 0.32 | 0.06 | 0.02 | 0.01 | 11.45 | 98.2 |
| I106116 | | 1.96 | <0.01 | 0.53 | 0.20 | 0.08 | 0.03 | 0.06 | 6.02 | 97.2 |
| I106117 | | 0.97 | 0.02 | 0.66 | 0.26 | 0.15 | 0.02 | 0.03 | 10.45 | 98.6 |
| I106118 | | 2.22 | <0.01 | 0.68 | 0.19 | 0.16 | 0.02 | 0.10 | 5.50 | 96.6 |
| I106119 | | 0.47 | 0.01 | 0.54 | 0.73 | 0.10 | 0.01 | 0.02 | 16.80 | 97.1 |
| I106120 | | 0.46 | 0.01 | 0.57 | 0.76 | 0.10 | 0.02 | 0.02 | 14.55 | 96.5 |
| I106121 | | 1.61 | 0.01 | 0.93 | 0.30 | 0.16 | 0.03 | 0.06 | 3.59 | 97.7 |
| I106122 | | 0.11 | 0.11 | 0.58 | 0.71 | 0.12 | 0.02 | 0.01 | 11.80 | 99.3 |
| I106123 | | 1.16 | 0.07 | 0.75 | 0.24 | 0.20 | 0.03 | 0.03 | 6.78 | 100.5 |
| I106124 | | 3.82 | <0.01 | 0.43 | 0.03 | 0.12 | 0.01 | 0.05 | 2.84 | 98.0 |
| I106125 | | 3.20 | <0.01 | 0.35 | 0.04 | 0.12 | 0.01 | 0.02 | 5.39 | 98.8 |
| I106126 | | 3.41 | <0.01 | 0.39 | 0.07 | 0.12 | 0.02 | 0.06 | 5.14 | 95.3 |
| I106127 | | 2.26 | <0.01 | 0.39 | 0.02 | 0.16 | 0.02 | 0.05 | 1.69 | 97.8 |
| I106128 | | 0.77 | <0.01 | 0.31 | 0.12 | 0.12 | 0.01 | 0.01 | 4.57 | 98.3 |
| I106129 | | 0.16 | 0.01 | 0.76 | 0.20 | 0.07 | 0.03 | <0.01 | 9.05 | 98.9 |
| I106130 | | 0.09 | <0.01 | 0.74 | 0.26 | 0.07 | 0.03 | 0.01 | 8.45 | 98.9 |