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Report of Sampling
Teck Tailings Project
Larder Lake Mining Division

by

John der Weduwen

January 17/2019

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Summary

An auger sampling program was conducted by the author to test the gold grade of the Teck Tailings. The sampling was conducted over two days on Aug 20 and Aug 29/2018 on behalf of myself, Larry Gervais and Steve Polson.

Location:

The tailings are located 1.5 km northwest of the town of Kirkland Lake. The claims can be accessed by driving north from highway 66 in Kirkland Lake onto Goodfish Road and travelling 1.1 km, then west along a gravel road for 500 meters to reach the SW corner of the claim block.

Property:

The property is located in Teck Township, Larder Lake Mining Division and consists of five legacy claims numbered 4285166, 4285228, 4285230, 4285231 and 4285232 which have been converted to one cell claim and eleven boundary cell claims as follows:

| <u>Claim No.</u> | <u>Claim Holders</u> | <u>Anniversary Date</u> |
|-----------------------|--------------------------------|-------------------------|
| | Larry Gervais, | |
| cell claim-150596 | John der Weduwen, Steve Polson | 12/22/2019 |
| boundary claim-151359 | “ “ | 12/22/2019 |
| “ “ -170135 | “ “ | 12/22/2019 |
| “ “ -198180 | “ “ | 12/22/2019 |
| “ “ -206888 | “ “ | 12/22/2019 |
| “ “ -206889 | “ “ | 12/22/2019 |
| “ “ -265489 | “ “ | 12/22/2019 |
| “ “ -320008 | “ “ | 12/22/2019 |
| “ “ -302032 | “ “ | 12/22/2019 |
| “ “ -302033 | “ “ | 09/26/2019 |
| “ “ -333971 | “ “ | 12/22/2019 |
| “ “ -333972 | “ “ | 12/22/2019 |

Property Cont:

There are also five surface rights holders. John and Marie Esposito along with Sandra Ann Hunter are joint owners of claim L14914 which covers cell claim 150596 and boundary claims 170135, 302008 and 303032 and the remainder is registered to North American Land Holdings and White Cliff Holdings. Both of these companies are owned and managed by Waseem (Walter) Qamar.

Letters were mailed to the above parties on Aug 01/2018 informing them our intention to do work on the property. I also met personally with Walter Qamar who was very much in favour of the proposed sampling project.

Of note. Between the time of the survey to the time of this writing, Legacy claim 4285232 has been converted to a patent from a surface rights only claim. Samples 225-1 thru 225-5 are on this patent.

History:

The Teck- Hughes Gold Mine Milled 9,565,302 tons of ore and produced 3,700,007 ounces of gold during its 51 years of operation from March 1917 to January 1968. The tailings from the milling operation were pumped approximately 2100 meters north into Lost Lake and were later held with wooden dams when the lake was filled to overflowing capacity.

In August of 1980 a nine hole drill program was conducted by Douglas Parent on behalf of Rene Paiement and associates. The drill holes were centered at 500 foot intervals along a line which ran NNE from the southwest corner of the tailings. to the north central portion.

The nine holes returned an average grade of .63g/ton. The grades were higher in the south and steadily decreased to the north. Mr. Parent suggested the lower grades in the north were due to leaching. It is more likely that the older tailings were deposited in the nearest shore of the lake, hence the higher grades to the south.

In July of 1985 C. Von Hessert commissioned a drill program on five tailings areas in the Kirland Lake District, one being the Teck-Hughes.

Though the drill centres were widely spaced, ranging from 400 to 600 feet, a rough estimate of grade and tonnage could be calculated.

A summary of the results suggested the Teck-Hughes Tailings contains 6,212,000 tons grading .62 g/ton for 121,700 contained gold ounces.

Sampling Program:

A total of sixty samples were taken along four North/South gps lines spaced 100 meters apart with stations at 50 meter intervals. A hand auger was used to collect the samples at a depth of 80cm. After removal of the samples, the holes were refilled and marked with wooden laths. After all samples were collected, they were then dried, rebagged and sent to Swastika Laboratories for assaying.

Results:

Sample assays ranged from a low of .25g/ton to a high of 1.18g/ton, having an average grade of .58g/ton. Of note are two anomalous areas as outlined in Fig4, one to the south and one in the east central portion of the grid with an average grade of greater than .80 grams per ton.

Conclusions an Recomendations:

While only a sampling of the surface of the tailings, the results were encouraging. Further sampling to the east to test for a continuation of the higher grade areas would be a priority. Also a sonic drill program with 100m centres would provide a more detailed estimate of tonnage as well as a test of grade continuation at depth.

References:

- i) Twenty eighth annual report of the Ontario Bureau of Mines, 1919
p. 120-121, Teck Hughes Gold Mines.
- ii) Seventy eighth annual report on mining operations in Ontario, 1968
p. 33-34, Teck Huges annual report.
- iii) OAFD Assessment record 42A01NE0194- Report on sampling program
completed on the Teck Hughes tailings deposit.
- iv) OAFD Assessment record 32D04NW0806- Appendix B, Calculation
of tailings reserves in the Kirkland Lake Area.



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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 18-1473

Company: **John der Weduwen**

Project: **Teck**

Report Date: **05-Sep-18**

Attn: **John der Weduwen**

We hereby certify the following Assay of 19 soil samples submitted 29-Aug-18 by John der Weduwen

| Sample Number | Au FA-AAS g/Mt |
|---------------|----------------------|
| 225-1 | 0.98 |
| 225-2 | 0.68 |
| 225-3 | 0.32 |
| 225-4 | 0.49 |
| 225-5 | 0.54 |
| 225-6 | 0.50 |
| 225-7 | 0.63 |
| 225-8 | 0.47 |
| 225-9 | 0.59 |
| 225-10 | 0.58 |
| Blank Value | < 0.01 |
| OxH139 | 1.29 |
| 225-11 | 0.62 |
| 225-12 | 0.36 |
| 225-13 | 0.26 |
| 225-14 | 0.33 |
| 325-1 | 0.55 |
| 325-2 | 0.47 |
| 325-4 | 0.46 |
| 325-5 | 0.61 |
| 325-6 | 0.47 |

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Assay Certificate

Certificate Number: 18-1474

Company: **John der Weduwen**

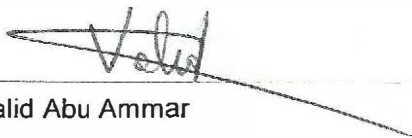
Project: **Teck**

Report Date: **05-Sep-18**

Attn: **John der Weduwen**

We hereby certify the following Assay of 19 soil samples submitted 29-Aug-18 by John der Weduwen

| Sample Number | Au FA-AAS g/Mt |
|---------------|----------------------|
| 325-7 | 0.58 |
| 325-8 | 0.49 |
| 325-9 | 0.82 |
| 325-10 | 0.47 |
| 325-11 | 0.52 |
| 325-12 | 0.30 |
| 325-13 | 0.25 |
| 325-14 | 0.31 |
| 425-3 | 0.49 |
| 425-4 | 0.83 |
| Blank Value | < 0.01 |
| OxH139 | 1.31 |
| 425-9 | 0.53 |
| 425-10 | 0.65 |
| 425-11 | 0.91 |
| 425-12 | 0.52 |
| 425-13 | 0.49 |
| 425-14 | 0.59 |
| 425-15 | 0.85 |
| 425-16 | 0.46 |
| 425-17 | 0.72 |

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1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300



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Assay Certificate

Certificate Number: 18-1475

Company: **John der Weduwen**

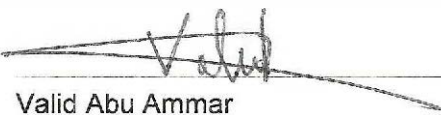
Project: **Teck**

Report Date: **05-Sep-18**

Attn: **John der Weduwen**

We hereby certify the following Assay of 22 soil samples submitted 29-Aug-18 by John der Weduwen

| Sample Number | Au | |
|---------------|----------------|--------------------------|
| | FA-AAS g/Mt | Au Chk FA-AAS g/Mt |
| 425-18 | 0.46 | |
| 425-19 | 0.50 | |
| 425-20 | 0.57 | |
| 425-21 | 0.64 | |
| 425-22 | 0.44 | |
| 425-23 | 0.43 | |
| 525-3 | 0.84 | |
| 525-4 | 1.18 | |
| 525-5 | 0.84 | |
| 525-6 | 0.67 | 0.64 |
| Blank Value | 0.02 | |
| OxH139 | 1.31 | |
| 525-7 | 0.82 | |
| 525-8 | 0.50 | |
| 525-9 | 0.44 | |
| 525-10 | 0.32 | |
| 525-11 | 0.58 | |
| 525-12 | 0.65 | |
| 525-13 | 1.14 | |
| 525-14 | 0.82 | |
| 525-15 | 0.61 | |
| 525-16 | 0.52 | 0.54 |
| 525-17 | 0.59 | |
| 525-18 | 0.68 | |

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Telephone (705) 642-3244 Fax (705) 642-3300

Sample Locations:

GPS Datum- Nad83 Zone 17U

| <u>Sample No.</u> | <u>Easterly</u> | <u>Northerly</u> | - | <u>Sample No.</u> | <u>Easterly</u> | <u>Northerly</u> |
|-------------------|-----------------|------------------|---|-------------------|-----------------|------------------|
| 225-1 | 570225 | 5334679 | - | 425-10 | 570426 | 5335131 |
| 225-2 | 570225 | 5334733 | - | 425-11 | 570426 | 5335182 |
| 225-3 | 570223 | 5334781 | - | 425-12 | 570425 | 5335232 |
| 225-4 | 570224 | 5334832 | - | 425-13 | 570425 | 5335281 |
| 225-5 | 570225 | 5334883 | - | 425-14 | 570425 | 5335332 |
| 225-6 | 570226 | 5334938 | - | 425-15 | 570423 | 5335383 |
| 225-7 | 570225 | 5334982 | - | 425-16 | 570425 | 5335434 |
| 225-8 | 570225 | 5334033 | - | 425-17 | 570424 | 5335482 |
| 225-9 | 570219 | 5335082 | - | 425-18 | 570421 | 5335532 |
| 225-10 | 570225 | 5335132 | - | 425-19 | 570424 | 5335584 |
| 225-11 | 570224 | 5335184 | - | 425-20 | 570424 | 5335633 |
| 225-12 | 570225 | 5335232 | - | 425-21 | 570424 | 5335683 |
| 225-13 | 570225 | 5335283 | - | 425-22 | 570423 | 5335731 |
| 225-14 | 570230 | 5335335 | - | 425-23 | 570425 | 5333783 |
| 325-1 | 570325 | 5334690 | - | 525-3 | 570525 | 5334783 |
| 325-2 | 570325 | 5334732 | - | 525-4 | 570526 | 5334834 |
| 325-4 | 570324 | 5334834 | - | 525-5 | 570525 | 5334884 |
| 325-5 | 570325 | 5334883 | - | 525-6 | 570525 | 5334934 |
| 325-6 | 570323 | 5334934 | - | 525-7 | 570526 | 5334982 |
| 325-7 | 570325 | 5334982 | - | 525-8 | 570531 | 5335032 |
| 325-8 | 570323 | 5335030 | - | 525-9 | 570525 | 5335082 |
| 325-9 | 570322 | 5335081 | - | 525-10 | 570524 | 5335133 |
| 325-10 | 570326 | 5335135 | - | 525-11 | 570524 | 5335184 |
| 325-11 | 570326 | 5335183 | - | 525-12 | 570525 | 5335232 |
| 325-12 | 570326 | 5335231 | - | 525-13 | 570524 | 5335283 |
| 325-13 | 570325 | 5335281 | - | 525-14 | 570524 | 5335332 |
| 325-14 | 570326 | 5335333 | - | 525-15 | 570524 | 5335383 |
| 425-3 | 570424 | 5334781 | - | 525-16 | 570524 | 5335432 |
| 425-4 | 570425 | 5334832 | - | 525-17 | 570523 | 5335481 |
| 425-9 | 570427 | 5335081 | - | 525-18 | 570522 | 5335519 |



Legend

Administration Boundaries

- Mining Divisions
- Resident Geologist District
- Townships and Areas
- UTM Grid
- Geographic Lot Fabric
- Other Federal Land

Mineral Tenure Grid

- OMTG Tenure Grid

Alienations

- Withdrawal
- Notice

Unpatented Claim

- Active
- Reconciled
- Pending

Disposition

- Disposition

Disposition Symbols

- Camp
- Disposition Unknown/Pending
- Freehold Patent Mining Rights
- Freehold Patent Surface Rights
- Freehold Patent Surface and Mining Rights
- Land Use Permit
- Leasehold Patent Mining Rights
- Leasehold Patent Surface Rights
- Leasehold Patent Surface and Mining Rights
- License of Occupation Mining Uses
- License of Occupation Surface Uses
- License of Occupation Surface and Mining Uses
- License of Occupation Uses Not Specified
- Order in Council
- Tower
- WPLA

Geology Layers

- AMIS Sites
- AMIS Features
- Drill Holes
- Mineral Occurrences



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