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Follow up
Report of Sampling
Teck Tailings Project
Larder Lake Mining Division
by
John der Weduwen
December 16/2019

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Summary

An auger sampling program was conducted by the author to follow up on previous work which was carried out in August of 2018 on the Teck Tailings. The purpose of the new program was to test around an anomalous area located in the South-Central portion of the grid, and also to sample the Western portion which was not covered earlier. The sampling was conducted October 19-2019 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 two cell claims and nine 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	12/22/2020
-265489	“ “	12/22/2020
boundary claim-151359	“ “	12/22/2019
“ “ -170135	“ “	12/22/2019
“ “ -198180	“ “	12/22/2019
“ “ -206888	“ “	12/22/2019
“ “ -206889	“ “	12/22/2019
“ “ -320008	“ “	12/22/2019
“ “ -302032	“ “	12/22/2019
“ “ -333971	“ “	12/22/2020
“ “ -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.

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 twenty five samples were taken along six North/South gps lines numbered 125E, 175E, 475E, 575E, 625E and 725E with stations at 50 meter intervals along these lines (see grid map-fig 3) . 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 taken to Actlivation Laboratories Ltd in Timmins ON For analysis

Results:

Sample assays ranged from a low of .31g/ton to a high of 1.16g/ton, having an average grade of .60g/ton. The testing adjacent to the anomalous area of the South end of line 525E produced some of the higher grades of the survey where an area 150M by 100M was outlined with an average grade of greater than .80 grams/tonne. The assays testing for an eastern extention of the higher grade area had more sporadic values and no continuity of high grades.

Conclusions an Recomendations:

With a grade of .6 of a gram on average of the surface of the tailings, while encouraging, a test at depth may provide higher grades, as the older tailings would be at the bottom of what was once a lake. A small portable drill to test grades at depth and provide info for a tonnage estimate would be the next step in calculating the resource of these tailings.

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.



Report No.: A19-14917
Report Date: 19-Nov-19
Date Submitted: 04-Nov-19
Your Reference:

John Der Weduwen
1616 Legion Drive
Porcupine Ontario p0n1h0
Canada

ATTN: John Der Weduwen

CERTIFICATE OF ANALYSIS

25 Pulp samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins | QOP AA-Au (Au - Fire Assay AA) | 2019-11-19 15:07:14

REPORT A19-14917

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
125-6	456
125-7	1120
125-8	590
125-9	462
125-10	366
125-11	782
125-12	445
175-0	533
175-1	865
475-3	804
475-4	688
475-5	1160
575-3	689
575-4	790
575-5	390
575-7	491
575-8	558
625-4	403
625-5	587
625-8	421
625-9	450
725-5	762
725-6	310
725-7	734
725-8	405

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Fire Assay Meas	2500
OREAS 254 Fire Assay Cert	2550
OREAS 217 (Fire Assay) Meas	333
OREAS 217 (Fire Assay) Cert	338
475-3 Orig	823
475-3 Dup	784
625-8 Orig	422
625-8 Dup	419
Method Blank	< 5
Method Blank	< 5

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>
125-6	570124	5334934	-	575-3	570574	5334795
125-7	570126	5334984	-	575-4	570576	5334833
125-8	570125	5335032	-	575-5	570576	5334883
125-9	570125	5335084	-	575-7	570575	5334983
125-10	570126	5335123	-	575-8	570575	5335032
125-11	570125	5335183	-	625-4	570625	5334833
125-12	570126	5335233	-	625-5	570625	5334882
175-0	570173	5334652	-	625-8	570626	5335032
175-1	570177	5334683	-	625-9	570624	5335083
475-3	570476	5334783	-	725-5	570725	5334882
475-4	570476	5334832	-	725-6	570725	5334933
475-5	570475	5334883	-	725-7	570725	5334983
			-	725-8	570725	5335032



Legend

- Administration Boundaries**
 - Mining Divisions
 - Resident Geologist District
 - Townships and Areas
 - UTH 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 Rights
 - License of Occupation Uses Not Specified
 - Order in Council
 - Tower
 - WPLA
- Geology Layers**
 - AMIS Sites
 - AMIS Features
 - Drill Holes
 - Mineral Occurrences

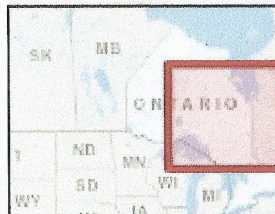


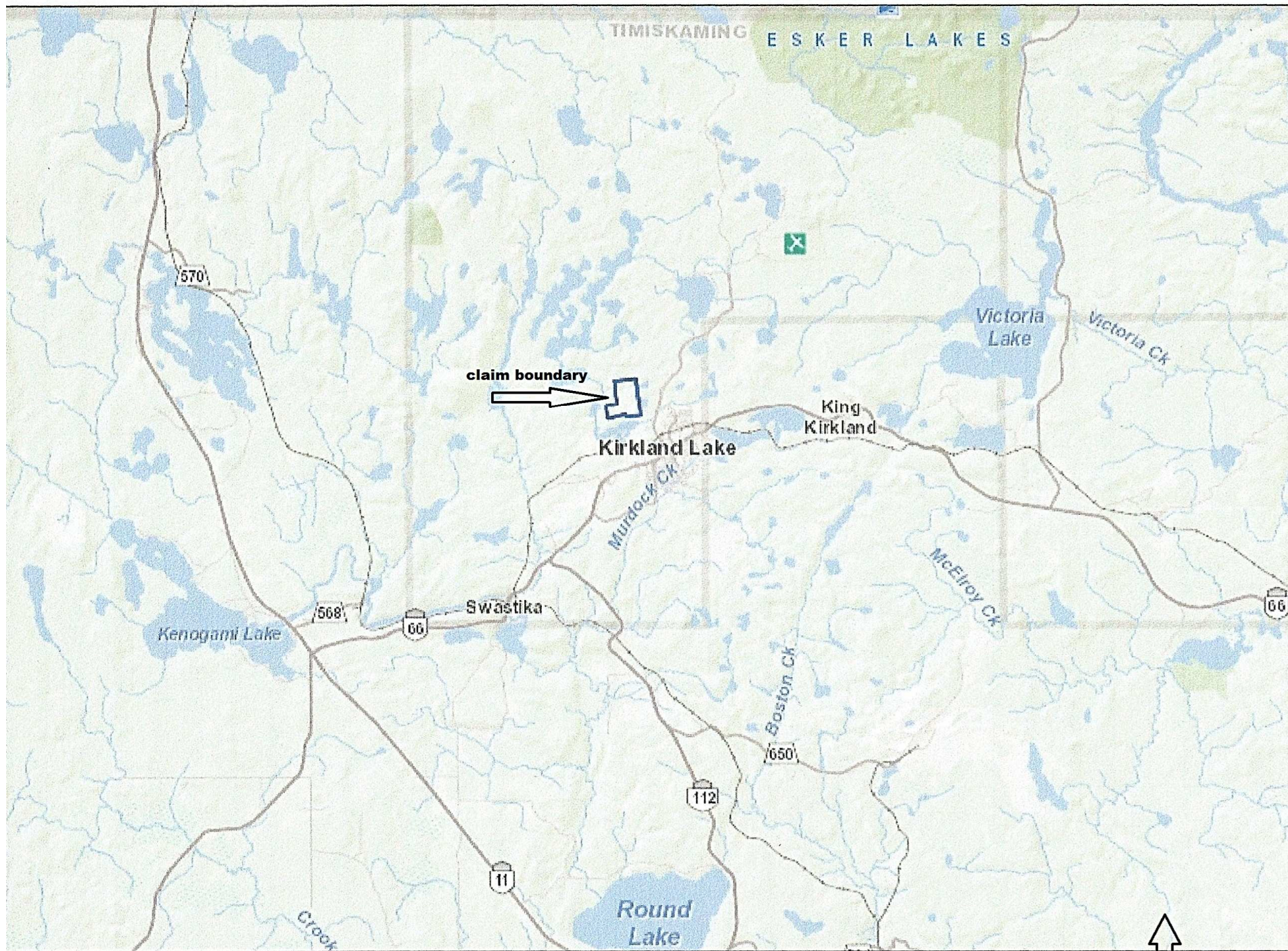
Projection: Web Mercator



The Ontario Ministry of Northern Development and Mines shall not be liable in any way for the use of, or reliance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations.

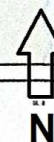
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0 9.79 km

Projection: Web Mercator



TECK TAILINGS PROJECT

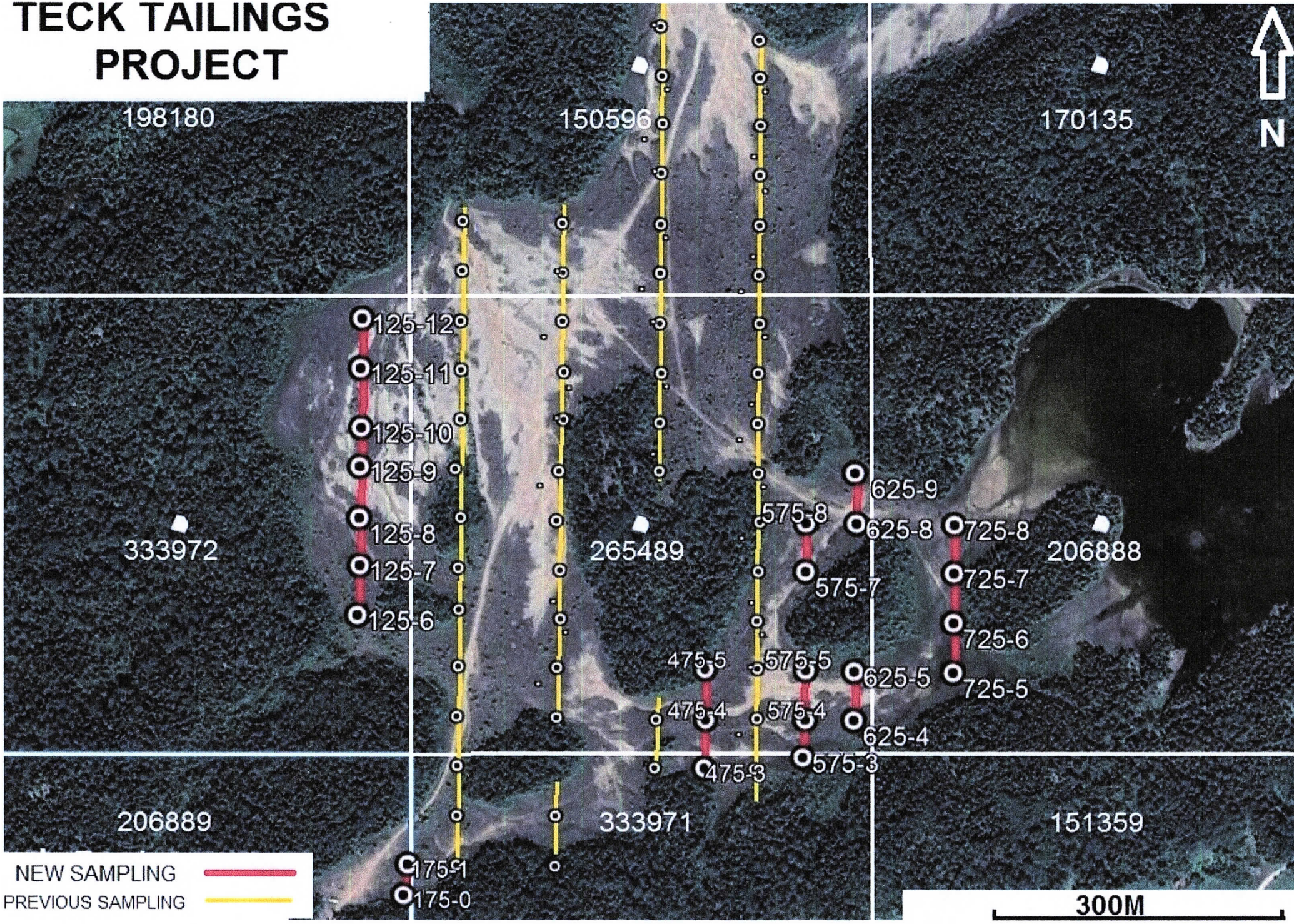
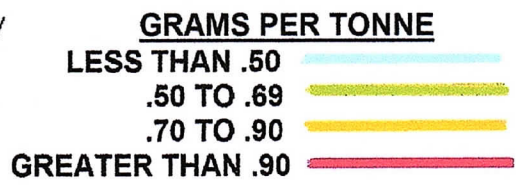


Figure 3



NEW SAMPLES 
PREVIOUS SAMPLES 

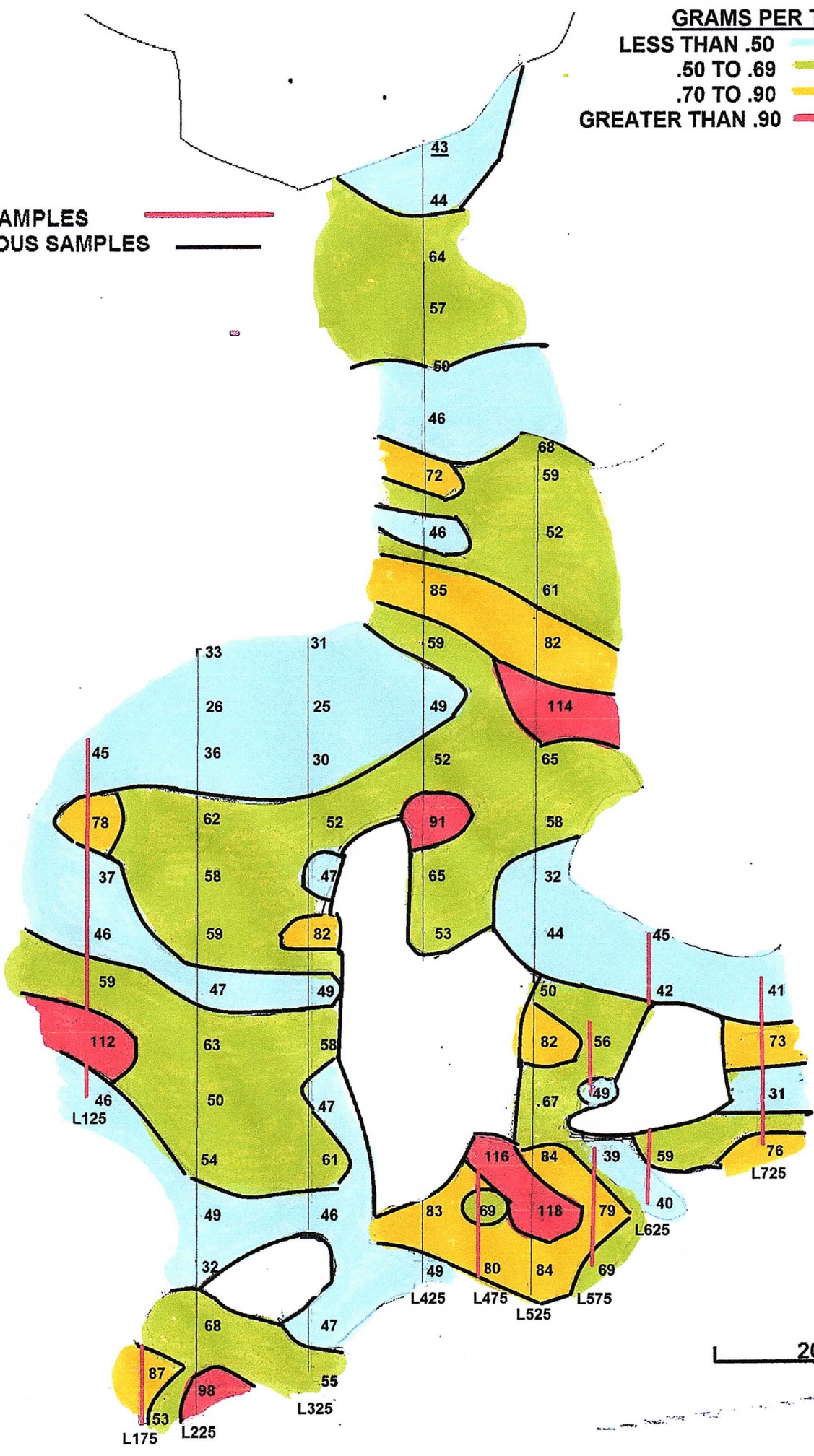


figure 4