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Nous tenons à améliorer <u>l'accessibilité des services à la clientèle</u>. Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez <u>nous contacter</u>. ASSESMENT REPORT

# JOSHUA GOLD RESOURCES INC PROSPECTING/ SAMPLING PROGRAM ASQUITH TOWNSHIP LARDER LAKE MINING DIVISION DISTRICT OF SUDBURY ONTARIO

Prepared by: Thomas O'Connor, December 19th, 2021

## TABLE OF CONTENTSPAGE

Introduction	1
Location & Access	1
Vegetation& Terrain	1
Regional Geology	2
Property Geology	2
Mineralization	2
History	3
The Program	3 - 4
Sample Descriptions	4-5
Conclusion & Recommendations & Statement of Costs	5-6
Regional Location Map	7
Claim Map	8
RegionalGeological Map	9
Regional Geological Structure Map	10
Geological Map 29a	11
Sample location Map Area # 1	12
Sample Location Map Area # 2	13
Assay Certificate	14-15
Receipts	16+

#### Introduction.

On November 1<sup>st</sup> 2021 Joshua Gold Resources Inc requested me to locate and sample two gold occurrences that are shown to be on a group of claim they hold 100% interest in the northern central part of Asquith Township located in the south western part of the Larder Lake Mining Division in the District of Sudbury. The property lies just west of the town of Shining Tree covering the eastern limit of West Shining Tree Lake. The claims are numbered 567137, 567138, 567139, 567140, 567141, 567142, 567143 & 567144. The two gold occurrences are located on the northern limit of McRae Island in the central part of the claim group. A total of three days of field work which began on November 07,2021and ended on November 09 2021. Myself and my son (Skyler O'Connor) performed the field work, both of us live in Kirkland Lake Ontario.

#### Location & Access

Travel to the property from Kirkland Lake you would take highway 66 west for seventy kilometres to highway65 south to Elk lake (530050E, 5311479 N).South on highway 65 for 40 kilometres to Elk Lake and Highway 560 west (549511 E, 5286831 N) Drive west on highway 560 for 90 kilometres to the entrance of the Thee Bear Camp (480710 E, 5268168 N). Drive west for 0.6 kilometres to the boat launch (480280 E, 5267944 N) located on the north shore of West Shining Tree Lake. From the boat launch head west by boat for 820 meters to Area #1 on McRae Island (479461 E, 5267886 N). Although the boat ride is only 820 meters from the Boat launch, caution must be taken due to rock outcrops just below the surface of the water.

#### Vegetation & Terran

McRae Island is in the central part of the eastern limit of West Shining Tree Lake. Vegetation consists of mostly cedar, birch, spruce and jack pine trees. Some popular was noticed along with white and red pine in certain areas. Heavy brush along the shore line and in low wet areas is also present. The terrain is relatively flat except where outcrop ridges are located rising no more four to 5 meters. I can only comment on the areas visited during this program. The ground is uneven and has several boulders in the till. Bed rock is covered by sandy loam from a few centimetres to one to two meters.

Sample #	Description	utm	Au, <u>g/t</u>
Zone # 2			
5957	quartz vein .25mw, glass like, white in colour, trace sulphide	479838e 5267592	0.017
5958	white quartz vein .5 m w trace sulphides,	479836e 5267590n	0.001
5959	quartz carbonate, rusty surface ,10m w, trace sulphides	479840e 5267589n	0.014
5960	white quartz, trace sulphides	479841	0.012
5981	white quartz vein 6 cm w green carbonate trace sulphides	479879e 5267621n	0.011

#### **Recommendations & Conclusions**

Al thought the assays were mostly trace at best for gold assays these are my following recommendations,

#### Area # 1

The carbonate zone that was located using the information from the mineral deposit inventory via the MLAS Map system for the Sullivan occurrence was very accurate. I do think the carbonate zone at zone # 1 is the Sullivan occurrence and should be fully prospected and sampled to the south where there is low rolling outcrops of bed rock. I sure there will be old trenches and pitsalong strike. Sample # 5955 assayed gold 0.358 g/t which is a good indicator gold is present.

#### Area # 2\_

In area # 2 map 29a 1920 publication indicates several quartz veins striking east – west are present. Indications are the vein that was found is one of several indicated on this map. Old pits and trenches located on this program indicates great amountt of work was done here decades ago. Again prospecting and sampling is recommended .

This property is in a known gold area and has good potential for a gold discovery. Once the results of the prospecting program is completed the next step can be determined.

5

### Regional Geology

The Shining Tree area forms part of the southern Abitibi green stone belt asesemblages in Northern Ontario. Recent studies have places super crustal rocks in the Shining Tree area into Pacaud, Deloro, Kidd-Munro, Tisdale and Timiskaming assemblages (Ayer 1999). The Abitibi sub province is part of the Superior provinc of the Precambrian Shield. The Shining Tree Area is part of the Pacaud Assemblage (). and is underlain by Archean metavolcanics and metasediments of the Abitibi Belt intruded by granite and grabbro and by Proterozoic diabase dikes and sills striking north-northwest. Proterozoic sedimentary cover rocks of the Huronian Group occur mafic to felsic with both flows and pyroclastic rocks present. Metasedimentary rocks such as argillite iron formation and chert are locally present.

Regional scale fault structures trending north – northwest can be traced Timmins to the north and Sudbury to the south. The Michiwakenda Fault near the eastern boundary of Churchill Township and the Shining Tree Fault to the west are typical of these fault systems. The Ridout Fault is now projected to be the extention of the Larder Lake Break and extends westward through the northern part of Churchill Township to the northeast.()

#### Property Geology

The Asquith property is underlain komatiite but is mostly by mafic volcanics, often showing pillow structures which tend to trend northwest. The ultra mafic and mafic volcanic rocks are overlain by intermediate and felsic volcanics. The geology of the property lies within the Pacaud Assemblage. Gold historically was found in quartz carbonated zones ( area #1 ) and quartz veins ( area #2 ).

The numerous gold showings occur in the Shining Tree The types of gold occurrences are as follows:

#### **Mineralization**

A. Highly Altered Shear Zone-type: highly altered (silicified, sericitized and carbonatized) with quartz stringers and pyrite; eg. Goldeye-LaCarte Zone; Juby Zone along the northwest Tyrrell shear zone (TDZ); Tyrannite.

B. Concordant Quartz Vein-type: eg. Gosselin Vein: 2.5 km long by 2 to 20m wide in southwest Churchill Township and northern Asquith Township.

C. Discordant Quartz Vein-type: eg. Ronda Mine, Bilmac and Kingsley Vein in southwest and northeast Macmurchy Township respectively.

#### Histo<u>ry</u>

In ODM 1920, Vol 29 pt. 3 p. 51 is the only reference I could find on the Sullivan occurrence which is the target for Area #1.

In this description it describes the occurrence as follows: as pillow lavas cut by quartz veins and lenses containing visible gold.

In 1963 & 1964 A. Justras drilled a number of shallow holes on the northern & eastern limit of McRae Island on claims 567142 & 567143. The drill report did not contain any assays and had crude description of the core recovered. In hole #1 (479471 E, 5267934 N) core is described as green stone and quartz with carbonate alteration. This is why the Sullivan showing is an area of interest.

In area #2 was another point of interest due to map 29a contained in ODM 1920, Vol 29 pt. 3 in the back pocket indicates a number of east -west (70 degrees) located just in the tree line of the northern shore line of the most eastern bay.

#### The Program

On November 07,2021myself & Skyler O'Connor departed from Kirkland Lake heading to Shining approximately 200kilometres to the south-west. Due to fog the trip took an hour longer than normal. Unloaded the 12 foot aluminum boat and 10 hp outboard and proceeded across West Shining Tree Lake in a southward direction to McRae Island. With many bays and points one could miss located. There are also many rock outcrop just below the water line. Once we found the two bays on the northern shore line we had time before dark to mark the landing points for the next day. Unfortunately there were no accommodations in the area due to hunters who had book months ahead of us. We had to travel back and forth every day for the three days totalling 1200 kilometres.

Day # 2 we docked the boat in a small bay on the northwestern part of the island's north shore. At approximately 65 meters in the tree line ( south) a small ridge of outcrop striking in a east-west direction was located. The site had thick under brush, thick bed rock cover and mature timber such as pine and cedar. The bed rock rises about 2 meters above the forest floor but had thick soil and vegetation cover. There are several old dig sites most of them covered in dead fall and slumped. The cover of vegetation and dirt was surprisingly thick. It is evident that no one has worked the area for quite some time. We stripped with grub hoes or a geo tool along the ridge line using the utm coordinates given on the mineral deposit inventory(MDI ) on the MLAS Map System ( 479449 E, 5267903 N , U 17 ).After clearing the outcrop off along the ridge for 12 meters we took the first sample ( 479461 E, 5267886 N) The MDI system was found to be very accurate in giving the correct utm location coordinates. At this location a rusty quartz carbonate zone was located. Approximately 2 meters wide striking north- south At approximately 180 degrees. A total of six samples were taken on this zone in a north south

#### The Program cont

#### direction, samples 5951 to 5956.

Day #3 we travelled to the northeastern part of of the northern shore line where a bay is located. Using and old 1920 geological map M- 29a which covers the area just west of the town of Shining Tree. Due to the great mapping skills the geologists had back then , this map is a very accurate. The scale is one inch to twenty chains and is a work of art. Several veins are shown to to be in this area striking in a east – west direction. Due to dead fall , thick brush traversing old dig sites were difficult. After a few hours looking in the area a small pit was found by Skyler O'Connor located approximately 68 meters south of the shore line. The pit is located at 479838 E, 5267592 N . A small knoll was found by Skyler just northeast of the small slumped pit. After stripping this outcrop off, two veins were found. Running in a easterly direction parallel to each other separated by a narrow carbonate zone approximately 30 cm wide. The south vein is .25 meters wide and the north vein is .5 meters wide. Both are white glassy quartz with minor amounts of pyrite. A total of four samples were taken here 5957 to 5960. Due to the age of the workings no more ex posers of this vein system was found. On the way to the boat Skyler found a small quartz vein under the roots of a blow down. Sample 5961 was taken at this sit 479879 E, 5267621 N. This was the last sample of this program.

#### Sample Descriptions\_

#### Zone # 1

Sam <u>p</u> le #	`Description	utm	Au, <u>g/1</u>
5951	quartz carbonate,rusty	479461e	0.005
5952	quartz carbonate, rusty trace sulphides, quartz veins 1-2 cm	479454e 5267889n	0.005
5953	quartz carbonate,rusty surface, pale green in colour, quartz stringer 1 -2 cm, trace sulphides	479463e s 5267889n	0.165
5954	quartz carbonate,rusty, quartz stringers 1cm to 4 cm 1% sulphides	479460e 5267890n	0.006
5955	quartz carbonate, rusty surface trace sulphides,	479840e 5267589n	.358
5956	quartz carbonate, rusty surface, trace sulphides	479464e 5267883	0.007

## Statement of costs

November 07 to 09 20	21
Labour, includes repor	t \$ 3650.00
Boat Rental	450.00
Travel	852.50
Assays	_714.73
Total Costs	\$ 5667.23

## Qualifications

Present, owner / operator of Canadian Gems & Minerals Limited Explo	orations 25 yrs
Exploration Manager for Mining Companies	15 yrs
Mininig Claims inspector MNDM	10 yrs
Prospector	42 yrs
Thomas O'Connor	



Shiningtree Property











scale: 1 cm = .5 meters

1: 500



Scale: 1 cm = .5 meters, 1: 500

Quality Analysis ...



#### Innovative Technologies

Report No.:	A21-22174
Report Date:	29-Nov-21
Date Submitted:	27-Nov-21
Your Reference:	McRae Island

Joshua Gold Resources Unit 20-1033 Pattullo Ave Woodstock ON N4V 1C8 Canada

ATTN: Thomas O'Connor

## **CERTIFICATE OF ANALYSIS**

11 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:	
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-11-29 10:29:22	

#### REPORT A21-22174

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.



LabID: 709

ACTIVATION LABORATORIES LTD. 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1 TELEPHONE +705 264-0123 or +1.888,2826,5227 FAX +1.905.648.9613 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com CERTIFIED BY:

Emmanuel Eseme, Ph.D. Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-22174

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
5951	< 0.005
5952	< 0.005
5953	0.165
5954	0.006
5955	0.358
5956	0.007
5957	0.017
5958	0.010
5959	0.014
5960	0.012
5961	0.011