

We are committed to providing [accessible customer service](#).

If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).

Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

5 June, 2019  
NTS 041015

**Diamond Drilling Report on the C1 Mortimer Property**

**DDH-S-1-17, DDH-S-2-17, DDH-S-3-17, DDH-S-4-17, DDH-S-5-17, DDH-S-6-17, DDH-S-7-17**

**Cell: 41O15H361**

**Boundary Claim: 210391**

**Legacy Claim 4270433**

**Swayze Township**

**Porcupine Mining Division**

**378750 E 5299850 N  
UTM Z17N NAD83**

**Report Prepared For:**

Kencana Technical Services Inc.  
3048 Seneca Dr.  
Oakville Ontario  
L6L 1A9

**Report Prepared by:**

Penny Currah  
3048 Seneca Dr.  
Oakville Ontario  
L6L 1A9

## Table of Contents

1.0 Introduction .....	1
1.1 Location and Access .....	2
2.0 Historic Work Summary .....	2
2.1 Ontario Geological Survey (1965) .....	2
2.2 Geological Survey of Canada (Heather and Shore, 1999) .....	2
2.3 Red Pine Exploration Inc. (2010 – 2011) .....	2
2.4 Charles Mortimer (Prospector) .....	3
2.5 Kencana Technical Services Inc. (2016) .....	3
3.0 Current Work Program.....	3
3.1 Sampling Method.....	4
3.2 Quality Assurance and Quality Control (QA/QC) Program .....	4
4.0 Results.....	4
5.0 Conclusions and Recommendations .....	5
6.0 Works Cited.....	6
Appendix A – Author Qualifications.....	7
Appendix B – DDH Logs.....	8
DDH-S-1-17 .....	8
DDH-S-2-17 .....	11
DDH-S-3-17 .....	14
DDH-S-4-17 .....	17
DDH-S-5-17 .....	19
DDH-S-6-17 .....	21
DDH-S-7-17 .....	25
Summary Rock Type Abbreviations .....	30
Summary of Alteration Abbreviations .....	31
Appendix C – DDH Assay Summaries .....	33
DDH-S-1-17 .....	33
DDH-S-2-17 .....	35
DDH-S-3-17 .....	37

DDH-S-4-17 .....	39
DDH-S-5-17 .....	41
DDH-S-6-17 .....	42
DDH-S-7-17 .....	44
Appendix D – DDH Sections .....	47
DDH-S-1-17 .....	47
DDH-S-2-17 .....	48
DDH-S-3-17 .....	49
DDH-S-4-17 .....	50
DDH-S-5-17 .....	51
DDH-S-6-17 .....	52
DDH-S-7-17 .....	53
Appendix E – Assay Certificates .....	54

## List of Tables

Table 1. Summary of C1 Mortimer Property unpatented claim holdings. ....	1
Table 2. DDH summary table with coordinates given in NAD83 Z17N. ....	4
Table 3. DDH results summary of significant Au mineralization. ....	4
Table 4. Proposed work summary and budget estimation. ....	5
Table 5. Summary of rock type codes for project and Shining Tree area. ....	30
Table 6. Summary of abbreviations for alteration strengths. ....	31
Table 7. Au assay results for DDH-S-1-17. ....	33
Table 8. Au assay results for DDH-S-2-17. ....	35
Table 9. Au assay results for DDH-S-3-17. ....	37
Table 10. Au assay results for DDH-S-4-17. ....	39
Table 11. Au assay results for DDH-S-5-17. ....	41
Table 12. Au assay results for DDH-S-6-17. ....	42
Table 13. Au assay results for DDH-S-7-17. ....	44

## List of Figures

Figure 1. DDH-S-1-17 section. ....	47
Figure 2. DDH-S-2-17 section. ....	48
Figure 3. DDH-S-3-17 section. ....	49
Figure 4. DDH-S-4-17 section. ....	50
Figure 5. DDH-S-5-17 section. ....	51
Figure 6. DDH-S-6-17 section. ....	52
Figure 7. DDH-S-7-17 section. ....	53

## List of Maps

- Map 1. Regional location
- Map 2. Claim holdings
- Map 3. Geological summary
- Map 4. DDH collars location
- Map 5. DDH summary map

## 1.0 Introduction

The C1 Property consists of five (5) legacy mining claims that have been converted into 35 boundary claims defined under the new Mining Act in Ontario. On October 8, 2016 Joshua Gold Resources Inc. entered into a three-year Joint Venture Option Agreement with the C1 Syndicate owners, a mining group representing full, 100% interest in the group of mining claims in Dore, Swayze and Rollo Townships within the Porcupine Mining Division. A summary of the claims are given below in Table 1. Map 2 summarizes the claim holdings of the property.

**Table 1. Summary of C1 Mortimer Property unpatented claim holdings.**

<b>Legacy Claim No.</b>	<b>Claim Number</b>	<b>Cell ID</b>	<b>Claim Type</b>	<b>Due Date</b>	<b>Assessment Requirement</b>	<b>Township</b>
4270364	120190	41O15A001	Boundary	2019-12-11	\$ 200	Swayze
4275471	233215	41O15A005	Boundary	2019-04-16	\$ 200	Dore
4275471	164590	41O15A006	Boundary	2019-04-16	\$ 200	Dore
4270364	148240	41O15B019	Boundary	2019-12-11	\$ 200	Swayze
4270364	242943	41O15B020	Boundary	2019-12-11	\$ 200	Swayze
4275530	269086	41O15G359	Boundary	2019-08-01	\$ 200	Swayze
4270433	280401	41O15G360	Boundary	2019-06-27	\$ 200	Swayze
4270364	299546	41O15G379	Boundary	2019-12-11	\$ 200	Swayze
4275530	184588	41O15G379	Boundary	2019-08-01	\$ 200	Swayze
4275530	240808	41O15G379	Boundary	2019-08-01	\$ 200	Swayze
4270364	196353	41O15G380	Boundary	2019-12-11	\$ 200	Swayze
4270364	108926	41O15G399	Boundary	2019-12-11	\$ 200	Swayze
4270364	299547	41O15G400	Boundary	2019-12-11	\$ 200	Swayze
4270433	107471	41O15H341	Boundary	2019-06-27	\$ 200	Swayze
4270433	295435	41O15H341	Boundary	2019-08-01	\$ 200	Swayze
4271227	190226	41O15H342	Boundary	2019-02-13	\$ 200	Rollo
4270433	240808	41O15H342	Boundary	2019-08-01	\$ 200	Swayze
4271227	190225	41O15H343	Boundary	2019-02-13	\$ 200	Rollo
4271227	144217	41O15H344	Boundary	2019-02-13	\$ 200	Rollo
4271227	252226	41O15H345	Boundary	2019-02-13	\$ 200	Rollo
4275471	252226	41O15H345	Boundary	2019-04-16	\$ 200	Dore
4275471	225198	41O15H346	Boundary	2019-04-16	\$ 200	Dore
4270364	148238	41O15H361	Boundary	2019-12-11	\$ 200	Swayze
4270433	210391	41O15H361	Boundary	2019-06-27	\$ 200	Swayze
4271227	246882	41O15H362	Boundary	2019-02-13	\$ 200	Rollo
4270433	295435	41O15H362	Boundary	2019-08-01	\$ 200	Swayze
4271227	246881	41O15H363	Boundary	2019-02-13	\$ 200	Swayze
4271227	144218	41O15H364	Boundary	2019-02-13	\$ 200	Swayze
4275471	178621	41O15H365	Boundary	2019-04-16	\$ 200	Dore
4275471	318112	41O15H366	Boundary	2019-04-16	\$ 200	Dore
4270433	159036	41O15H380	Boundary	2019-08-01	\$ 200	Swayze
4270433	280401	41O15H380	Boundary	2019-08-01	\$ 200	Swayze
4270364	148239	41O15H381	Boundary	2019-12-11	\$ 200	Swayze
4275471	121395	41O15H385	Boundary	2019-04-16	\$ 200	Dore
4275471	252227	41O15H386	Boundary	2019-04-16	\$ 200	Dore
<b>Total</b>					\$ 7,000	

## **1.1 Location and Access**

The property is located approximately 115 km southwest of Timmins, and 190 km northwest of Sudbury. Access to the property is by a well maintained lumber road, accessible by summer, and intermittently in the winter depending on the road maintenance due to logging operations. The property can be accessed from the north via highway 101 to the Foleyet Timber road 10 km east of Foleyet. Access from the south is from the Dore road at the 50 km marker west of the Sultan Industrial Road and Highway 144 junction. Several smaller ATV roads accessible from the Dore/Foleyet Timber roads transect the east and west of the claim group.

## **2.0 Historic Work Summary**

### **2.1 Ontario Geological Survey (1965)**

Donovan (1965) mapped Swayze and Dore townships at a scale of 1:50,000, showing it to be predominantly underlain by felsic and intermediate volcanic rocks. On a regional scale NW trending fault are noted, as well as ENE trending synclinal and anticlinal fold axis.

### **2.2 Geological Survey of Canada (Heather and Shore, 1999)**

The Geological Survey of Canada mapped the Swayze Greenstone Belt at a scale of 1:50,000 (Heather and Shore, 1999). General fault and fold structures agree with those observed by Donovan (1965), although additional high strain deformation zones are noted. More differentiation of volcanic sequences were mapping in greater detail, leading to a better interpretation of the geology underlying the claim area. This map shows the claims are underlain by generally mafic volcanic, which transition into some intrusive ultramafic volcanics (SNui) and mafic volcanics (SNm) to the eastern area of the claim group. Felsic units intercalated with metasediments exist to the north and south of the claims, which also are present in the southern extent of the claim group. The geology of the claim is shown in Map \*LC, modified from Heather and Shore (1999).

### **2.3 Red Pine Exploration Inc. (2010 – 2011)**

Red Pine Exploration Inc. explored the claims directly surrounding the Kenty mine, which include the current claim group. Their work program consisted of line-cutting, IP, stripping and trenching, and limited diamond drilling. Trenching and striping identified several anomalous gold values associated with quartz-carbonate altered volcanics and quartz veins, with more limited showings associated with a felsic porphyry unit with significant gold assays. Some higher grade assays were reported associated with north-south trending quartz veins. Diamond drilling showed very limited anomalous gold mineralization occurring in relation to the felsic porphyry unit targeting some IP anomalies, although several IP anomalies with high resistivity and high chargeability related to the auriferous quartz carbonate vein mineralization remain untested.

Several high grade gold occurrences were associated with highly altered mafic volcanic in contact with a felsic porphyry intrusion at the C1 trench, the current site of the drill program which look to test this

anomaly at depth. IP anomalies suggest chargeability and resistivity anomalies consistent with the C1 trench alteration to the west of the current work program, suggesting this mineralization may extend to the west of the work area.

## **2.4 Charles Mortimer (Prospector)**

Prospector Charles Mortimer completed some stripping of the Hopkins 1 vein allowing for the observation both the vein and wall rock mineralization in an assessment file with limited documentation. Nuggety gold mineralization is noted in a past report by Swayze Resources Ltd. Several pits and trenches of varying age are noted on claim 4270364. It appears that trenching focused on uncovering quartz stringers, veins, and altered wall rock associated with the historic Hopkins 1 vein, located on a striped hillside in the northeast area of the claim. This work was completed on the claim group to the west and north of the Kenty patent boundaries.

Several pits and trenches of varying age are noted on the current claim group to the east, mostly occurring on claim 4275471, with limited assays reported. Several altered and weathered pits and trenches were noted during the completion of the survey. Several of these trenches are still visible on the property, and were extended as part of Red Pine Exploration Inc. program. This work was completed from 1986 to approximately 2010.

## **2.5 Kencana Technical Services Inc. (2016)**

In 2016 Kencana Technical Services completed total field magnetic and VLF surveys on the eastern and western portions of the property, on the legacy claim numbers 4270364 and 4275471. The eastern survey was completed just to the south of the current work area, and showed irregularly magnetized units to the north of the claim group associated with some alteration noted in previous trenching and stripping work by Charles Mortimer and Red Pine Exploration Inc. Some VLF anomalies were associated with the regionally mapped felsic volcanic rocks. The current work program was not covered by any of this survey coverage.

## **3.0 Current Work Program**

The current drill program was performed under MNM Work Permit Number PR-15-10681 under the project name “West Kenty Project”, which allowed for mechanized drilling (assembled weight > 150kg), mechanized stripping (>100 m<sup>2</sup>), and pitting and trenching. Of the permitted cells, only work occurred on cell 41O15H361 (claim number 210391). Drilling occurred during 12 field days in 2017 from April 22 to 29 as well as on June 28, July 1, 4, and October 1<sup>st</sup>. The top casing marking the DDH collars were left in place.

Acklo Diamond Drilling Ltd. of Connaught, Ontario was contracted to complete 7 DDHs of NQ core in May of 2017. Todd Keast (P. Geo) was retained to spot DDH collars, and Alex Korbukh completed the diamond drill hole logging. Alexander Hodson was hired as an assisted to Alex Korbukh. A total of 7 DDHs for a total of 543.3 meters were completed, from which 385 assays were taken. Map \*LC summarized the locations and projections of the DDHs.



Table 2. DDH summary table with coordinates given in NAD83 Z17N.

Hole	Easting	Northing	Azimuth	Dip	Depth (m)	Samples
DDH-S-1-17	378738	5299881	170	-45	91.8	63
DDH-S-2-17	378795	5299824	288	-60	65	53
DDH-S-3-17	378795	5299824	360	-90	44	42
DDH-S-4-17	378800	5299860	270	-65	65	43
DDH-S-5-17	378808	5299840	288	-60	45	35
DDH-S-6-17	378835	5299884	270	-50	96	62
DDH-S-7-17	378774	5299829	20	-45	136.5	87
<b>Total</b>					543.3	385

Work area targeted was stripped and sampled with grab and channel samples by Red Pine Exploration Inc., and was shown to represent a highly altered contact between mafic volcanic and a narrow felsic porphyry intrusion. Visible gold was reported, and channel samples ranged from 0.1 – 256 g/t Au. The current DDH program targeted this mineralization zone to further delineate the structure of these gold anomalies at depth.

### 3.1 Sampling Method

Samples were collected from the drill and transported to Driller Larry Salo’s barn in Shining Tree Ontario where they were split by a hydraulic splitter. Half-core was bagged and tagged in a polyethylene bags. Samples were transported to ActLabs Innovative Technologies in Timmins, Ontario for analysis. Analysis for Au was completed by fire assay (FA-AA), with a detection limit from 5 to 10,000 ppb (0.005 to 10 g/t).

### 3.2 Quality Assurance and Quality Control (QA/QC) Program

Joshua Gold Resources Inc. completed duplicate, blanks, and standards analysis as part of a quality assurance and quality control program (QA/QC). A standard, duplicate, and blank were inserted into the sample stream every 25 samples. Review of QA/QC data (standards) revealed that there is a slight negative bias in the reported assays.

## 4.0 Results

Higher grade gold intersections were associated with quartz veining, which appears to be associated with a flat lying extensional vein dipping shallowly from to the south. It is interpreted that this flat lying vein is visible at surface in the C1 trench.

Additional anomalous gold intersections occur along near the contact of the porphyry and the mafic volcanic, which is observed in both DDH-S-4-17 and DDH-S-7-17. The table below summarizes the significant intersections from the current program.

Table 3. DDH results summary of significant Au mineralization.

<u>Hole</u>	<u>From</u>	<u>To</u>	<u>Width (m)</u>	<u>Au (g/t, average)</u>	<u>Comments</u>
DDH-S-2-17	25.2	26.1	0.9	1.72	Quartz veining, extension vein
DDH-S-4-17	11	18.5	7.5	0.11	Porphyry, near MV contact footwall
DDH-S-5-17	11	18.5	7.5	0.2	Upper QV extensional vein contact, includes 0.7 g/t over 1.5 meters
DDH-S-6-17	50	57.5	7.5	0.133	Felsic porphyry body
DDH-S-7-17	22.7	23.2	0.5	2.8	Extensional QV
DDH-S-7-17	85.6	98	12.4	0.1	Felsic porphyry near MV hanging wall contact

This highlights that this structure host complex structural features that appear to result in very heterogenous gold mineralization. Determining the continuity and characteristics from the current program is difficult, but additional drilling along strike may be warranted to better define the potential for gold mineralization.

## 5.0 Conclusions and Recommendations

Anomalous gold mineralization was present in a flat lying extensional vein observed at the C1 trench, in addition to mineralization near the mafic volcanic and felsic porphyry rock types. Diamond drilling results seems to confirm some complex structural features near the C1 trench, and that drilling may be better planned to intersect the entire width of the porphyry, as well as to test the contact at depth to see if gold grades improve. The presence of high gold grades in proximity to this contact area at surface suggests that geophysical surveys may help delineate other targets along strike.

Therefore, a two phase program is recommended to generate targets along strike of the current C1 trench to the NW. In the first phase, an IP is recommended to generate DDH targets, and any significant anomalies targeting the alteration style can be tested. The table below presents an estimate for a cost for this program.

Table 4. Proposed work summary and budget estimation.

<u>Item</u>	<u>Cost Per Unit</u>	<u>Units</u>	<u>Subtotal</u>
<b><u>Phase I</u></b>			
Deep IP Survey	\$5,000/km	3 km	\$15,000
IP Survey	\$1,000	7 km	\$7,000
<b><u>Phase II</u></b>			
DDH	\$150/meter	600 m	\$90,000
Contingency		20 %	\$20,000
<b><u>Total</u></b>			<b>\$132,000</b>

## 6.0 Works Cited

Donovan, J. F. (1965). Geology of Swayze and Dore Townships, Geological Report No. 33. Toronto: Ontario Geological Survey.

Heater, K. B., & Shore, G. T. (1999). Geology, Swayze Greenstone Belt, Ontario, Open File 2284a (Sheet 1). Ottawa: Geological Survey of Canada.

Jensen, J. A. (1986). Trenching Program on the Hopkins No. 1 Vein; Mining Claim P-575237. Swayze Resources LTD.

Salo, R. W. (2010). Report of Prospecting, Trenching and Soil Sampling on the Abitibi West and Mortimer Project Properties; Swayze Greenstone Belt. Red Pine Exploration Inc.

Currah, L (2016). Total Magnetic Field and VLF Surveys on the Swayze Property Claim 4270364. 2254022 Ontario Ltd.

## Appendix A – Author Qualifications

I, Penny Currah, certify that:

- (1) I hold a valid Ontario Prospector’s license, and:
- (2) That I have worked to the best of my abilities to ensure all of the information in this report is correct and accurate.

---

Penny Currah

5 June, 2019

Ontario Prospector No. 1009011

**Appendix B - DDH Logs**

**DDH-S-1-17**

<b>Drill Hole S-1-17</b>		<b>Property C-1</b>		<b>Township</b>	Swayze
<b>Preliminary Coordinates (UTM NAD 83 Zone 17)</b>					
<b>Easting</b>	378736	<b>Northing</b>	5299880	<b>Elevation</b>	
<b>Final Coordinates (UTM NAD 83 17)</b>					
<b>Easting</b>	378736	<b>Northing</b>	5299880	<b>Elevation</b>	
<b>Survey by</b>	TK (handheld GPS)		<b>Date</b>	July 14, 2017	
<b>Summary</b>					
<b>Depth</b>		<b>Azimuth</b>	170	<b>Dip</b>	-45
<b>Core Size</b>	NQ	<b>Casing (m)</b>	1.5	<b>Logged By</b>	A.Korboukh
<b>Drill Company</b>	AcKlo Drilling		<b>Drill Rig</b>	LY-38	
<b>Drill Start Date</b>	April 22, 2017		<b>Drill Comp Date</b>	April 25, 2017	
<b>Log Start Date</b>	May 4, 2017		<b>Log Comp Date</b>	May 5, 2017	
<b>Comments</b>			<b>Core Loc.</b>	Shining Tree	
<b>Cell Id</b>	41O15H361		<b>Claim #</b>	210391	

From	To	Length	Lithology	Description	Alteration (0, tr, w, m, s) Pervasive		Alter. Frac-Contr. %					Micro			Veins			Sulfides %				
					Kspar	Ser	Carb	Chl	Hem	Silic	Kspar	Ser	Chl	Veinlets	Total %	Type	CA	Total	Py	Cpy	Aspy	
0.0	1.5	1.5	OB	Casing.																		
1.5	90.0		VMBF	<b>Basalt Flow</b> , melanocratic, greenish to dark grey and black aphanitic to aphanitic-porphyritic, locally pillowed Moderately to strongly magnetic, weakly to moderately mineralized. Increase of mineralization observed in strongly magnetic units and associated with increase of ferro-magnesium content. Most of the mineralization observed in pillowed units.																		
				1.5-13.0 m aphanitic to slightly porphyritic, from 3.0 to 4.3 m depth moderately mineralized, Py up 5-10 %			tr	w		tr			5		0.5					10		
				13.0-28.4 m fractured and rehealed by Qtz-Carb content. Veining up to 10% of rock mass. Veinlets and veins are irregular, anastomosing, minor ribboned veining observed. 120-150 degrees to CA. Weakly mineralized.			m	w		w				5	10					0.5		
				28.4-90.0 m depth. Moderately chloritized and silicified, weakly carbonatized, weak epidote alteration																		
				alteration fracture controlled observed @29.5-31.0 m depth. Moderately magnetic. Weak Py mineralization observed within pillowed fragments. . 0.1-0.5 %.			tr	w		w			15	0.5						0.5		
90.0	91.8	1.8	PPQF	<b>Quartz-Feldspar Porphyry</b> leucocratic, tan-greenish-grey, porphyritic, massive. Porphyroids varied in size from 1.0 mm to 5.0 mm . Non-magnetic. Weakly mineralized. Euhedral Py up to 0.5 %.Upper contact is sharp and altered by K-spar, strong Cpy mineralization	w			w		s	1		5		0.5				0.5	0.1		

			observed in a minor veinlet of upper contact																		
			and fracture controlled.																		
			<b>END OF HOLE.</b>																		

DDH-S-2-17

<b>Drill Hole S-2-17</b>		<b>Property</b>	C-1	<b>Township</b>	Swayze
<b>Preliminary Coordinates (UTM NAD 83 Zone 17)</b>					
<b>Easting</b>	378795	<b>Northing</b>	5299824	<b>Elevation</b>	
<b>Final Coordinates (UTM NAD 83 17)</b>					
<b>Easting</b>	378795	<b>Northing</b>	5299832	<b>Elevation</b>	
<b>Survey by</b>	TK (Handheld GPS)		<b>Date</b>	July 14, 2017	
<b>Summary</b>					
<b>Depth</b>	65.00	<b>Azimuth</b>	288	<b>Dip</b>	-60
<b>Core Size</b>	NQ	<b>Casing (m)</b>	6.5	<b>Logged By</b>	A.Korboukh
<b>Drill Company</b>	Acklo Drilling		<b>Drill Rig</b>	LY -38	
<b>Drill Start Date</b>	April 25, 2017		<b>Drill Comp Date</b>	April 27, 2017	
<b>Log Start Date</b>	May 6, 2017		<b>Log Comp Date</b>	May 6, 2017	
<b>Comments</b>			<b>Core Loc.</b>	Shining Tree	
<b>Cell Id</b>	41O15H361		<b>Claim #</b>	210391	

Interval No	From	To	Length	Lithology1	Description	Alteration (0, tr, w, m, s) Pervasive						Alter. Frac-Contr. %			Micro	Veins			Sulfides %			
						Kspar	Ser	Carb	Chl	Hem	Silic	Kspar	Ser	Chl	Veinlets	Total %	Type	CA	Total	Py	Cpy	Aspy
	0.0	6.5	6.5	OB	<b>Casing.</b>																	
	6.5	24.9		VMBF	<b>Basalt Flow</b> , melanocratic, greenish to dark grey and black																	
					aphanitic to aphanitic-porphyrific, locally pillowed																	



					Moderately to strongly magnetic, weakly to moderately mineralized. Increase of mineralization observed in strongly magnetic units and associated with increase of ferro-magnesium content. Most of the mineralization observed in pillowed units.															
					<b>6.5-22.1m aphanitic to fractured and fragmentally brecciated</b>	tr		w	tr		w	0.1	0.1	5	2	7			5	0.1
					Fractures rehealed by Quartz-carb content and well mineralized. The mineralization associated with increase of Carbonate and Ferro-magnesium content. Mineralization fracture controlled.															
					Veins and venlets crosscut rock unit at 30-40 degrees to CA, hairline to 4 cm in width. Minor anastomosing, irregular and tension zones.															
					<b>22.1-22.25m brecciated Qtz-ankerite-albite vein</b>															
					weakly mineralized, moderate sericite alteration, weak K-spar alteration fracture controlled															
					upper contact irregular, lower 40 degrees to CA	tr	w			w	0.1								0.1	
					<b>22.25-24.9m basalt flow , same as above</b>			tr	w	w				10						0.5
	24.9	26.1	1.2	QABV	<b>24.9-26.1 m strongly brecciated</b>															
					<b>Qtz-ankerite-albite vein with minor carbonatization in fractures</b>															

					The vein composed of basaltic, felsic(sericite altered) fragments brittily deformed. Moderate K-spar alteration fracture controlled observed within the unit. Moderately mineralized, Py up to 15 %. Contacts are sharp, 30&40 degrees to CA.	w	w	tr			w	5	20						15	0.1	
	26.1	65.0	38.9	VMBF	<b>Basalt Flow</b>	tr		W	W		W	0.5	0.1	10	1	3			0.3		
					same as above, moderate veining observed																
					weakly mineralized																
					<b>END OF HOLE.</b>																

DDH-S-3-17

<b>Drill Hole S-3-17</b>		<b>Property</b>	C-1	<b>Township</b>	
<b>Preliminary Coordinates (UTM NAD 83 Zone 17)</b>					
<b>Easting</b>	378795	<b>Northing</b>	5299824	<b>Elevation</b>	
<b>Final Coordinates (UTM NAD 83 17)</b>					
<b>Easting</b>	378796	<b>Northing</b>	5299832	<b>Elevation</b>	
<b>Survey by</b>	TK (Handheld GPS)	<b>Date</b>	July 14, 2017		
			360		
<b>Summary</b>					
<b>Depth</b>	44.00	<b>Azimuth</b>	360	<b>Dip</b>	-90
<b>Core Size</b>	NQ	<b>Casing (m)</b>	3.8	<b>Logged By</b>	A.Korboukh
<b>Drill Company</b>	Acklo Drilling.		<b>Drill Rig</b>	LY-38	
<b>Drill Start Date</b>	April 27, 2017		<b>Drill Comp Date</b>	April 29, 2017	
<b>Log Start Date</b>	May 7, 2017		<b>Log Comp Date</b>	May 7, 2017	
<b>Comments</b>			<b>Core Loc.</b>	Shining Tree	
<b>Cell Id</b>	41O15H361		<b>Claim #</b>	210391	

Interval No	From	To	Length	Lithology1	Description	Alteration (0, tr, w, m, s) Pervasive						Alter. Frac-Contr. %			Micro	Veins			Sulfides %			
						Kspar	Ser	Carb	Chl	Hem	Silic	Kspar	Ser	Chl	Veinlets	Total %	Type	CA	Total	Py	Cpy	Aspy
	0.0	3.8	3.8	OB	<b>Casing.</b>																	
	3.8	22.7	18.9	VMBF	<b>Basalt Flow</b> , melanocratic, greenish to dark grey and black																	
					aphanitic to aphanitic-porphyritic, locally pillowed																	

					Moderately to strongly magnetic, moderately mineralized. Increase of mineralization observed in strongly magnetic units and associated with increase of ferro-magnesium content.																
					<b>3.8-22.7 m aphanitic to fractured and fragmentally brecciated vein</b>	tr		w	tr		w	0.1	0.1	5	2	7				5	0.1
					Fractures rehealed by Quartz-carb content and well																
					mineralized. The mineraliation associated with																
					increase of Carbonate and Ferro-magnesium																
					content. Mineralization fracture controlled.																
					Veins and venlets crosscut rock unit at 30-40																
					degrees to CA, hairline to 10.0 cm in width. Minor anastomosing, irregular and tentation zones.																
					<b>8.6-8.7 m brecciated Quartz-ankerite-albite vein</b>																
					moderately mineralized, moderate sericite alteration,																
					weak K-spar alteration fracture controlled																
					upper contact irregular, lower 40 degrees to CA	tr	w		tr	w	0.1								5		
	22.7	23.1	0.4	QABV	<b>22.7-23.1 m strongly brecciated</b>																
					<b>Qtz-ankerite-albite vein with minor carbonatization in fractures</b>																
					The vein composed of basaltic, felsic (sericite altered) fragments brittily deformed. Moderate K-spar alteration fracture controlled controlled observed within the unit. Moderately mineralized, Py up to 10%. Contacts	w	w	tr		w	5	10								10	0.1

					are sharp, 40&50 degrees to CA.																
	23.1	44.0	20.9	VMBF	<b>Basalt Flow</b>	tr		W	W		W	0.1	0.1	10	1	5				3	0.1
					same as above, moderate veining observed																
					moderately mineralized																
					<b>END OF HOLE.</b>																

**DDH-S-4-17**

<b>Drill Hole S-4-17</b>		<b>Property</b>	SW	<b>Township</b>	Swayze
<b>Preliminary Coordinates (UTM NAD 83 Zone 17)</b>					
<b>Easting</b>	378803	<b>Northing</b>	5299868	<b>Elevation</b>	
<b>Final Coordinates (UTM NAD 83 17)</b>					
<b>Easting</b>	378803	<b>Northing</b>	5299868	<b>Elevation</b>	
<b>Survey by</b>	T.Keast	<b>Date</b>	July 14, 2017		
<b>Summary</b>					
<b>Depth</b>	65.00	<b>Azimuth</b>	270	<b>Dip</b>	-65
<b>Core Size</b>	NQ	<b>Casing (m)</b>	3.7	<b>Logged By</b>	A.Korboukh
<b>Drill Company</b>	Acklo Drilling		<b>Drill Rig</b>	LY-38	
<b>Drill Start Date</b>			<b>Drill Comp Date</b>		
<b>Log Start Date</b>	July 4, 2017		<b>Log Comp Date</b>	July 4, 2017	
<b>Comments</b>			<b>Core Loc.</b>	Shining Tree	
<b>Cell Id</b>	41O15H361		<b>Claim #</b>	210391	

Interval No	From	To	Length	Lithology 1	Lithology 2	Description	Alteration (0, tr, w, m, s) Pervasive						Alter. Frac-Contr. %			Micro	Veins			Sulfides %					
							Kspa	Se	Car	Ch	He	Sili	Kspa	Se	Ch	Veinlets	Total %	Typ	C A	Total	Py	Cp	Asp		
	0.0	3.7	3.7	OB		<b>CASING</b>																			
	3.7	19.4	15.7	PIF		<b>ALTERED PORPHYRY</b>	m	w		w		m		2	2		2		3				0.1		

					Leucocratic, tan-greenish to pinkish in fragments. Very fine grained, massive to locally brecciated. Weak sericite and fuchsite alteration observed in a matrix. Moderate matrix K-spar alteration observed from 4.5-4.8m, 7.3-7.8 m and from 16.5-17.9 m depth. Qtz veining up to 2% of groundmass. From hairline to 5 cm in width. Parallel to core axis, irregular to regular crosscut the rock unit at 30 to 40 degrees to core axis. Trace of Py fracture controlled observed within the unit. Lower contact with altered Diorite dyke is sharp and intruded at 40 degrees to CA.															
19.4	24.0	4.6	PMD		<b>ALTERED DIORITE DYKE</b>			w		m					0.5					
					Mesocratic to leucocratic. Dark grey to light grey.															
					medium grained, phaneritic -porphyritic,															
					hornblende presented porphyry.															
					Massive to brecciated. Veining mostly irregular.															
					Generally unmineralized.															
					Lower contact is sharp, 30 degrees to CA															
24.0	65.0	41.0	VMBF		<b>ALTERED BASALT FLOW</b>															
					Melanocratic, dark green to medium green. Massive to fragmentally brecciated. Veining pervasive from 24.0 to 36.5 m. In general veins are irregular. Strong chlorite alteration presented in matrix. The unit is moderately magnetic. Weak euhedral Py presented in unit. Increase of Py mineralization observed within minor brecciated fragments			M		S					2		30		0.2	
					<b>END OF HOLE.</b>															

DDH-S-5-17

<b>Drill Hole S-5-17</b>		<b>Property</b>	SW	<b>Township</b>	Swayze
<b>Preliminary Coordinates (UTM NAD 83 Zone 17)</b>					
<b>Easting</b>	378808	<b>Northing</b>	5299840	<b>Elevation</b>	
<b>Final Coordinates (UTM NAD 83 17)</b>					
<b>Easting</b>	378808	<b>Northing</b>	5299840	<b>Elevation</b>	
<b>Survey by</b>	collar not located		<b>Date</b>	July 14, 2017	
<b>Summary</b>					
<b>Depth</b>	52.80	<b>Azimuth</b>	288	<b>Dip</b>	-60
<b>Core Size</b>	NQ	<b>Casing (m)</b>	3.2	<b>Logged By</b>	A.Korboukh
<b>Drill Company</b>	Acklo Drilling		<b>Drill Rig</b>	LY-38	
<b>Drill Start Date</b>			<b>Drill Comp Date</b>		
<b>Log Start Date</b>	July 1, 2017		<b>Log Comp Date</b>	July 1, 2017	
<b>Comments</b>			<b>Core Loc.</b>	Shining Tree	
<b>Cell Id</b>	41O15H361		<b>Claim #</b>	210391	

Interval No	From	To	Length	Lithology1	Lithology2	Description	Alteration (0, tr, w, m, s) Pervasive						Alter. Frac-Contr. %			Micro Veinlets	Veins			Sulfides %									
							Kspar	Ser	Carb	Chl	Hem	Silic	Kspar	Ser	Chl		Total %	Type	CA	Total	Py	Cpy	Aspy						
	0.0	3.2	3.2	OB		CASING																							
	3.2	56.0	52.8	VMBF		Basalt Flow, melanocratic, greenish to dark grey and black, massive to brecciated in fragments. aphanitic to aphanitic-			m	m		w	2					5		30		0							



						porphyritic.																
						Moderately to strongly magnetic, moderately carbonatized, moderately chloritized.																
						Leucocose pervasive.																
						Qtz-carbonate veining up to 5% of groundmass.																
						Veins crosscut the unit at 30 degrees to CA.																
						<b>Qtz-carbonate-feldspar-ankerite</b> vein observed from 17.9 to 18.3 m depth. Vein is strongly brecciated, altered by K-spar and ankerite and well mineralized. Py mostly euhedral. The vein is similar to veins observed in holes S-2 and S-3. Basalt flow is weakly mineralized, Py euhedral up to 0.2 % of groundmass																
						END OF HOLE.																

DDH-S-6-17

<b>Drill Hole S-6-17</b>		<b>Property</b>	SW	<b>Township</b>	Swayze
<b>Preliminary Coordinates (UTM NAD 83 Zone 17)</b>					
<b>Easting</b>	378828	<b>Northing</b>	5299887	<b>Elevation</b>	
<b>Final Coordinates (UTM NAD 83 17)</b>					
<b>Easting</b>	378828	<b>Northing</b>	5299887	<b>Elevation</b>	
<b>Survey by</b>	TK	<b>Date</b>			
<b>Summary</b>					
<b>Depth</b>	95.00	<b>Azimuth</b>	270	<b>Dip</b>	-50
<b>Core Size</b>	NQ	<b>Casing (m)</b>	5	<b>Logged By</b>	A.Korboukh
<b>Drill Company</b>	Acklo Drilling		<b>Drill Rig</b>	LY-38	
<b>Drill Start Date</b>			<b>Drill Comp Date</b>		
<b>Log Start Date</b>	June 28, 2017		<b>Log Comp Date</b>	June 28, 2017	
<b>Comments</b>			<b>Core Loc.</b>	Shining Tree	
<b>Cell Id</b>	41O15H361		<b>Claim #</b>	210391	

Interval No	From	To	Length	Lithology1	Description	Alteration (0, tr, w, m, s) Pervasive						Alter. Frac-Contr. %			Micro	Veins			Sulfides %					
						Kspar	Ser	Carb	Chl	Hem	Silic	Kspar	Ser	Chl	Veinlets	Total %	Type	CA	Total	Py	Cpy	Aspy		
	0.0	5.0	5.0	OB	<b>Casing.</b>																			
	5.0	28.1	23.1	VMBF	<b>Basalt Flow</b> , melanocratic, greenish to dark grey aphanitic to aphanitic-porphyrific. Qtz-carbonate irregular veining up to 4% of groundmass.		m	m	w	tr	m													0.3

					Moderately to strongly magnetic, moderately carbonatized and weakly chloritized. Minor hematite alteration observed from <b>9.5 to 13.0 m</b> . Pervasive leucocstone alteration observed from <b>13.0 to 28.1 m</b> . Moderate sericite alteration fracture controlled observed from <b>21.5 to 28.1</b> weakly mineralized, Py euhedral up to 0.3%.																
	28.1	73.4	45.3	PIF	<b>ALTERED FELDSPAR PORPHYRY</b>	w	strong				m					2		30		0.5	
					leucocratic, tan-greenish to tan-pinkish in fragments																
					massive, fragmentally brecciated, fine grained																
					The unit is intrusive and younger than basalt sequence. Contacts are sharp 30 and 40 degrees to core axis.. Moderate to strong sericite alteration encountered within the unit. Weak to moderate fuchsite alteration observed within the unit and fracture controlled. Minor K-spar alteration presented in the unit from 32.4 to 32.6 and 41.8 to 42.9 m depth. Qtz-serisite veining up to 2% of groundmass. the veins crosscut the unit at approximately 30-35 degrees to core axis. Unit is weakly to fragmentally moderately mineralized. Py mostly fine grained to euhedral up to 0.5% in average. Trace of																

					Galena is presented within Qtz veins.														
	73.4	95.0	21.6	VMBF	<b>ALTERED BASALT</b>	m	m	w	w		5			10				0.5	
					Mesocratic, greenish-grey to yellowish in fragments. Fractured to massive. Broken zone observed from 79.0 to 80.0 m depth. Moderate sericite alteration fracture controlled and observed from 73.4 to 83.0 m depth. Increase of carbonate alteration observed from 83.0 to 95.0 m depth. alteration fracture controlled. Increase of Ferro-magnesium content also observed in above mentioned unit. Qtz-sericite-carbonate veining comprised of irregular, parallel to CA and regular veins crosscut unit at 40 degrees to CA. Veining decreased from 83.0 to 95.0 m depth. Unit weakly to moderately mineralized, Py blebby, euhedral up to 0.5% of groundmass.														

| | | | | **END OF HOLE.** | | | | | | | | | | | | | | | | | | | | | |

DDH-S-7-17

<b>Drill Hole S-7-17</b>		<b>Property</b>	C-1	<b>Township</b>	Swayze
<b>Preliminary Coordinates (UTM NAD 83 Zone 17)</b>					
<b>Easting</b>	378774	<b>Northing</b>	5299829	<b>Elevation</b>	
<b>Final Coordinates (UTM NAD 83 17)</b>					
<b>Easting</b>		<b>Northing</b>		<b>Elevation</b>	
<b>Survey by</b>	D. Currah		<b>Date</b>		
<b>Summary</b>					
<b>Depth</b>	136.50	<b>Azimuth</b>	20E	<b>Dip</b>	-45
<b>Core Size</b>	NQ	<b>Casing (m)</b>	6	<b>Logged By</b>	A.Korboukh
<b>Drill Company</b>	Acklo Drilling		<b>Drill Rig</b>	LY -38	
<b>Drill Start Date</b>	October 1, 2017		<b>Drill Comp Date</b>		
<b>Log Start Date</b>	October 10, 2017		<b>Log Comp Date</b>	October 11, 2017	
<b>Comments</b>			<b>Core Loc.</b>	Shining Tree	
<b>Cell Id</b>	41O15H361		<b>Claim #</b>	210391	

Interval No	From	To	Length	Lithology1	Lithology2	Description	Alteration (0, tr, w, m, s) Pervasive						Alter. Frac-Contr. %			Micro	Veins			Sulfides %					
							Kspar	Ser	Carb	Chl	Hem	Silic	Kspar	Ser	Chl	Veinlets	Total %	Type	CA	Total	Py	Cpy	Aspy		
	0.0	6.0	6.0	OB		<b>Casing.</b>																			
	6.0	85.6	79.6	VMBF		<b>Basalt Flow</b> , mesocratic to melanocratic, dark grey to green			m	w		w	0.1	5	5			3					1	0.1	
						Aphanitic. Fractured to massive, brecciated in fragments																			

						Weakly to locally strongly magnetic, weakly to moderately mineralized. The unit is moderately carbonatized. <b>Decrease of carbonate and ferromagnesium content and increase of chloritization and sericitization observed from 19.5 m to 28.0 m depth.</b>															
						Qtz-carbonate-albite veining up to 2-3% of															
						groundmass. Veinlets and veins from hairline to															
						5 cm in size. Irregular to regular crosscut at 30 to 45 degrees to CA. Weak siderite alteration fracture controlled and observed within the unit.															
						Py euhedral to subhedral 0.1-0.5 % of groundmass. Trace of Cpy observed at 88.3 m fracture controlled.															
						<b>Qtz-albite-ankerite vein</b> observed from 22.9 to															
						23.1 m depth. The vein is similar to one that was observed in holes #2 and #3. The vein is brecciated and crosscut the unit at 40 degrees to CA. Moderate K-spar alteration observed in halos. Py euhedral , up to 10% .															
						Strong brittle deformation observed from 24.8 to 25.5 m depth, 53.9 to 54.0m and from 54.15 to 54.35 m.															
	85.6	92.4	6.8		PPQF	<b>Quartz-Feldspar Porphyry</b>															

						tan- brownish with local greenish tinge .Massive, porphyritic. The unit is strongly silicified, weakly fuchsitized and moderately seritized. Minor Qtz veining up to 1% of groundmass. Weak Py mineralization observed within the unit. Upper contact with basalt flow gradational. Lower is sharp 50 dgrees to CA											0.01	1										1								0								
	92.4	95.3	2.9		PI2F	<b>Two feldspar porphyry dyke ?</b>																																						
						tan-greenish with light pinkish tinge. Massive, porphyritic. The porphyry comprised of potassic feldspar and porphy replaced by fuchsite.The pinkish tinge in the unit is the result of weak potassic alteration. Minor Qtz veining observed within the unit. Py fine grained disseminated, up to 5%. Contacts are sharp, 50 and 90 degrees to CA	w	w																														0.1				5		
	95.3	99.0	3.7		PPQF	<b>Quartz-Feldspar Porphyry Dyke</b>																																						
						tan -pinkish, porphyritic, strongly brecciated dyke. Strongly silicified. Unit includes 0.7 m length Qtz-albite vein. Moderate K-spar alteration observed in upper and lower contacts . Matrix is weakly altered. Weak fuchsite alteration fracture contolled.qtz-albite veining up to 50% of rock unit. Py up to 3-5%. mostly euhedral , rarely disseminated fracture controlled.Lower contact is sharp , 50 degrees to CA.	w	w								s	0.1	0																						50				3
	99.0	100.0	1.0		VUU	<b>Ultramafic dyke</b>																																						



					light tan-grey, strongly seritized brecciated dyke. Siderate, hematite and minor fuchsite presented in unit. Cpy trace, fracture controlled, Py euhedral + fine grain disseminated up to 7% . Lower contact is sharp , 60 degrees o CA.		s			tr									7	0.1
	100.0	128.0	28.0		PIF	<b>Altered Feldspar Porphyry</b>		m			w		5	5					0	
						tan-greenish, massive, locally folded, minor foliation observed. <b>porphyry are rare due to possible Ductile deformation of unit.</b> Unit is strongly to moderately seritized and weakly to moderately fuchsitized. Weak tourmaline and locally siderate alterations fracture controlled. Upper contact is sharp, generally 60 degrees to CA and strongly seritized down to 100.1 m length. Siderate pervasive in upper contact.lower contact sharp, 55 degrees to CA and moderately fuchsitized. Py trace														
	128.0	136.5	8.5		VMBF	<b>Altered Basalt</b>			m	m	tr	w				5			3	
						dark grey to black, fractured and brecciated.														
						feldspar presented in ground mass. Presence of iron oxides and high content of leucoxene observed within the unit. Moderately carbonatized, non magnetic. Carbonate veining pervasive, hairline to 1 cm in width, anastomosing to rarely ribboned. Py disseminate fracture controlled, up to 3% of ground mass.														



## Summary Rock Type Abbreviations

Table 5. Summary of rock type codes for project and Shining Tree area.

<b>Rock Units - Shining Tree</b>							
<b>VOLCANIC ROCKS</b>							
<b>Felsic Vol</b>		<b>Mafic Vol</b>		<b>Intermediate Vol</b>		<b>Ultramafic Vol</b>	
<b>VFU</b>	Felsic Vol Undiff	<b>VMU</b>	Mafic Vol Undiff	<b>VIU</b>	Intermediate Vol Undif	<b>VUU</b>	Ultramafic Undiff.
<b>VFRF</b>	Rhyolite Flow	<b>VMBF</b>	Basalt Flow	<b>VIAF</b>	Andesite Flow	<b>VUK</b>	Komatites
<b>VFDF</b>	Dacite Flow	<b>VMBB</b>	Basalt Bx	<b>VIAB</b>	Andesite Bx		
<b>VFRT</b>	Rhyolite Tuff						
<b>VFDT</b>	Dacite Tuff						
<b>VFRB</b>	Rhyolite Bx						
<b>VFDB</b>	Dacite Bx						
<b>Breccias/Diatremes (multi lithic)</b>							
		<b>BXU</b>	Undiff				
		<b>BXI</b>	Intermed. vol clasts dom				
		<b>BXM</b>	Mafic vol. clasts dom				
		<b>BXF</b>	Felsic Vol clasts dom				
<b>PLUTONIC ROCKS</b>							
<b>Felsic</b>		<b>Mafic</b>		<b>Intermediate/Alkalic</b>		<b>Ultramafic</b>	

<b>PFU</b>	Undifferentiated	<b>PMU</b>	Undifferentiated	<b>PIU</b>	Undifferentiated	<b>PUU</b>	Ultramafic Undiff.
<b>PFG</b>	Granite	<b>PMD</b>	Diorite	<b>PIG</b>	Granodiorite	<b>PUG</b>	Gabbro
<b>PFA</b>	Aplite	<b>PMDB</b>	Diabase	<b>PIS</b>	Syenite		
		<b>PMB</b>	Basalt/aphanitic	<b>PIT</b>	Trachyte		
				<b>PIL</b>	Lamprophyre		
<b>PPQF</b>	<b>Qtz-Feld. Porphyry</b>			<b>PIF</b>	Feldspar Porphyry		
				<b>PIHF</b>	Hornblende-Feldspar Porphyry		
				<b>PI2F</b>	Two Feldspar Porphyry		
<b>METASEDIMENTARY ROCKS</b>							
<b>SCO</b>	Conglomerate	<b>SCH</b>	Chert				
<b>SSS</b>	Sandstone						
<b>SAR</b>	Arkose	<b>SFE</b>	Iron Formation				
<b>SST</b>	Siltstone	<b>SSU</b>	Chemical Sediment Undiff				
<b>SMU</b>	Mudstone						
<b>SAG</b>	Argillite						
<b>SGR</b>	Graywacke						
<b>MISC. ROCK UNITS</b>							
<b>QV</b>	Quart Vein						
<b>FLT</b>	Fault						
<b>QCSW</b>	Quartz-Carb Vein						
<b>BRK</b>	Break						

## Summary of Alteration Abbreviations

Table 6. Summary of abbreviations for alteration strengths.

<b>Term</b>	<b>Meaning</b>
<b>tr</b>	trace
<b>w</b>	weak
<b>m</b>	medium
<b>s</b>	strong
<b>vs</b>	very strong

## Appendix C – DDH Assay Summaries

### DDH-S-1-17

Table 7. Au assay results for DDH-S-1-17.

Sample Number	Sample Length		Au (g/t)
	From:	To:	
29857	1.5	3	<.005
29858	3	4	<.005
29859	4	4.3	0.007
29860	4.3	5.5	<.005
29861	5.5	7	<.005
29862	7	8.5	<.005
29863	8.5	10	<.005
29864	10	11.5	<.005
29865	11.5	13	<.005
29866	13	14.5	<.005
29867	14.5	16	<.005
29868	16	17.5	<.005
29869	17.5	19	<.005
29870	19	20.5	<.005
29871	20.5	22	<.005
29872	22	23.5	<.005
29873	23.5	25	<.005
29874	25	26.5	<.005
29875	26.5	28	<.005
29878	28	29.5	<.005
29879	29.5	31	0.013
29880	31	32.5	<.005
29881	32.5	34	<.005
29882	34	35.5	<.005
29883	35.5	37	<.005
29884	37	38.5	<.005
29885	38.5	40	<.005
29886	40	41.5	<.005
29887	41.5	43	<.005
29888	43	44.5	<.005
29889	44.5	46	<.005
29890	46	47.5	<.005
29891	47.5	49	<.005
29892	49	50.5	<.005
29893	50.5	52	<.005

<b>29894</b>	52	53.5	<.005
<b>29895</b>	53.5	55	<.005
<b>29896</b>	55	56.5	<.005
<b>29897</b>	56.5	58	<.005
<b>29898</b>	58	59.5	<.005
<b>50054</b>	59.5	61	<.005
<b>50055</b>	61	62.5	<.005
<b>50056</b>	62.5	64	<.005
<b>50057</b>	64	65.5	<.005
<b>50058</b>	65.5	67	<.005
<b>50059</b>	67	68.5	<.005
<b>50060</b>	68.5	70	<.005
<b>50061</b>	70	71.5	<.005
<b>50062</b>	71.5	73	<.005
<b>50063</b>	73	74.5	<.005
<b>50064</b>	74.5	76	<.005
<b>50065</b>	76	77.5	<.005
<b>50066</b>	77.5	79	<.005
<b>50067</b>	79	80.5	<.005
<b>50068</b>	80.5	82	<.005
<b>50069</b>	82	83.5	<.005
<b>50070</b>	83.5	85	<.005
<b>50071</b>	85	86.5	<.005
<b>50072</b>	86.5	88	<.005
<b>50073</b>	88	89.5	0.009
<b>50074</b>	89.5	90	0.261
<b>50075</b>	90	91	0.025
<b>50076</b>	91	91.8	0.03

## DDH-S-2-17

Table 8. Au assay results for DDH-S-2-17.

Sample Number	Sample Length		Au (g/t)
	From:	To:	
			<.005
338101	6.5	8	<.005
338102	8	9.5	<.005
338103	9.5	11	0.046
338104	11	12	<.005
338105	12	13	<.005
338106	13	14	<.005
338107	14	15	<.005
338108	15	16	<.005
338109	16	17	<.005
338110	17	18	<.005
338111	18	19	<.005
338112	19	20	<.005
338113	20	21	<.005
338114	21	22	<.005
338115	22	22.3	<.005
338116	22.3	23	<.005
338117	23	24.4	<.005
338118	24.4	24.9	0.035
338119	24.9	25.2	1.33
338122	25.2	25.5	4.15
338123	25.5	25.8	0.436
338124	25.8	26.1	0.59
338125	26.1	26.5	0.006
338126	26.5	28	<.005
338127	28	29	<.005
338128	29	30.5	<.005
338129	30.5	32	<.005
338130	32	33.5	<.005
338131	33.5	35	<.005
338132	35	36	0.153
338133	36	37	0.015
338134	37	38	0.189
338135	38	39	<.005
338136	39	40	<.005
338137	40	41	<.005
338138	41	42	<.005
338139	42	43	<.005



<b>338140</b>	43	44	<.005
<b>338143</b>	44	45	<.005
<b>338144</b>	45	46	0.032
<b>338145</b>	46	47	<.005
<b>338146</b>	47	48.5	<.005
<b>338147</b>	48.5	50	<.005
<b>338148</b>	50	51.5	<.005
<b>338149</b>	51.5	53	<.005
<b>338150</b>	53	54.5	<.005
<b>338151</b>	54.5	56	<.005
<b>338152</b>	56	57.5	<.005
<b>338153</b>	57.5	59	<.005
<b>338154</b>	59	60.5	<.005
<b>338155</b>	60.5	62	<.005
<b>338156</b>	62	63.5	<.005
<b>338157</b>	63.5	65	<.005

## DDH-S-3-17

Table 9. Au assay results for DDH-S-3-17.

Sample Number	Sample Length		Au (g/t)
	From:	To:	
338158	3.8	5	0.021
338159	5	6	<.005
338160	6	7	0.005
338161	7	8	0.005
338162	8	9	0.126
338163	9	10	0.005
338164	10	11	0.005
338165	11	12	<.005
338166	12	13	<.005
338167	13	14	0.005
338168	14	15	<.005
338169	15	16	<.005
338170	16	17	<.005
338171	17	18	<.005
338172	18	19	0.005
338173	19	20	<.005
338174	20	21	<.005
338175	21	22	<.005
338176	22	22.4	<.005
338180	22.7	23.1	<.005
338181	23.1	23.4	<.005
338182	23.4	24	<.005
338183	24	25	<.005
338184	25	26	<.005
338185	26	27	<.005
338186	27	28	<.005
338187	28	29	<.005
338188	29	30	<.005
338189	30	31	<.005
338190	31	32	<.005
338191	32	33	<.005
338192	33	34	<.005
338193	34	35	<.005
338194	35	36	<.005
338195	36	37	<.005
338196	37	38	<.005
338197	38	39	<.005

<b>338200</b>	39	40	<.005
<b>338201</b>	40	41	<.005
<b>338202</b>	41	42	<.005
<b>338203</b>	42	43	<.005
<b>338204</b>	43	44	<.005

## DDH-S-4-17

Table 10. Au assay results for DDH-S-4-17.

Sample Number	Sample Length		Au (g/t)
	From:	To:	
338311	3.7	5	0.01
338312	5	6.5	0.011
338313	6.5	8	0.02
338314	8	9.5	0.006
338315	9.5	11	0.009
338316	11	12.5	0.116
338317	12.5	14	0.146
338318	14	15.5	0.078
338319	15.5	17	0.064
338320	17	18.5	0.155
338321	18.5	19.4	0.007
338322	19.4	20	0.015
338323	20	21.5	0.01
338324	21.5	23	0.008
338325	23	24	0.016
338326	24	25	0.008
338327	25	26	0.006
338328	26	27.5	0.005
338329	27.5	29	0.006
338332	29	30.5	0.006
338333	30.5	32	0.007
338334	32	33.5	0.22
338335	33.5	35	0.007
338336	35	36.5	0.01
338337	36.5	38	0.158
338338	38	39.5	0.006
338339	39.5	41	0.008
338340	41	42.5	0.006
338341	42.5	44	0.006
338342	44	45.5	<0.005
338343	45.5	47	0.005
338344	47	48.5	<0.005
338345	48.5	50	<0.005
338346	50	51.5	0.006
338347	51.5	53	0.007
338348	53	54.5	<0.005
338349	54.5	56	<0.005

<b>338352</b>	56	57.5	<0.005
<b>338353</b>	57.5	59	<0.005
<b>338354</b>	59	60.5	<0.005
<b>338355</b>	60.5	62	<0.005
<b>338356</b>	62	63.5	<0.005
<b>338357</b>	63.5	65	<0.005

## DDH-S-5-17

Table 11. Au assay results for DDH-S-5-17.

Sample Number	Sample Length		Au (g/t)
	From:	To:	
338272	3.2	5	0.006
338273	5	6.5	0.005
338274	6.5	8	<0.005
338275	8	9.5	<0.005
338276	9.5	11	<0.005
338277	11	12.5	0.722
338278	12.5	14	0.007
338279	14	15.5	0.007
338280	15.5	17	0.035
338281	17	18.5	0.27
338282	18.5	20	0.007
338283	20	21.5	<0.005
338284	21.5	23	<0.005
338285	23	24.5	<0.005
338286	24.5	26	0.005
338287	26	27.5	<0.005
338288	27.5	29	0.005
338289	29	30.5	0.005
338290	30.5	32	0.005
338293	32	33.5	0.006
338294	33.5	35	0.006
338295	35	36.5	0.03
338296	36.5	38	0.009
338297	38	39.5	0.008
338298	39.5	41	0.078
338299	41	42.5	0.008
338300	42.5	44	0.008
338301	44	45.5	0.017
338302	45.5	47	0.187
338303	47	48.5	0.008
338304	48.5	50	0.007
338305	50	51.5	0.007
338306	51.5	53	0.007
338307	53	54.5	0.005
338308	54.5	56	0.005

## DDH-S-6-17

Table 12. Au assay results for DDH-S-6-17.

Sample Number	Sample Length		Au (g/t)
	From:	To:	
338054	5	6.5	<0.005
338055	6.5	8	<0.005
338056	8	9.5	0.007
338057	9.5	11	<0.005
338058	11	12.5	<0.005
338059	12.5	14	<0.005
338060	14	15.5	<0.005
338061	15.5	17	<0.005
338062	17	18.5	0.005
338063	18.5	20	<0.005
338064	20	21.5	<0.005
338065	21.5	23	<0.005
338066	23	24.5	0.008
338067	24.5	26	<0.005
338068	26	27.5	<0.005
338069	27.5	28.1	0.023
338070	28.1	29	<0.005
338071	29	30.5	<0.005
338072	30.5	32	<0.005
338073	32	33.5	<0.005
338076	33.5	35	<0.005
338077	35	36.5	<0.005
338078	36.5	38	0.006
338079	38	39.5	<0.005
338080	39.5	41	<0.005
338081	41	42.5	0.014
338082	42.5	44	0.027
338083	44	45.5	0.025
338084	45.5	47	0.022
338085	47	48.5	0.007
338086	48.5	50	<0.005
338087	50	51.5	0.096
338088	51.5	53	0.015
338089	53	54.5	0.034
338090	54.5	56	0.174
338091	56	57.5	0.349
338092	57.5	60.5	0.008

<b>338093</b>	59	60.5	0.007
<b>338094</b>	60.5	62	0.007
<b>338097</b>	62	63.5	0.01
<b>338098</b>	63.5	65	0.007
<b>338099</b>	65	66.5	0.005
<b>338100</b>	66.5	68	0.006
<b>338251</b>	68	69.5	<0.005
<b>338252</b>	69.5	71	0.006
<b>338253</b>	71	72.5	0.005
<b>338254</b>	72.5	73.4	0.005
<b>338255</b>	73.4	74	0.006
<b>338256</b>	74	75.5	0.005
<b>338257</b>	75.5	77	0.007
<b>338258</b>	77	78.5	0.006
<b>338259</b>	78.5	80	0.011
<b>338260</b>	80	81.5	0.01
<b>338261</b>	81.5	83	0.008
<b>338262</b>	83	84.5	0.01
<b>338263</b>	84.5	86	0.01
<b>338264</b>	86	87.5	0.008
<b>338265</b>	87.5	89	0.008
<b>338266</b>	89	90.5	0.007
<b>338269</b>	90.5	92	0.008
<b>338270</b>	92	93.5	0.007
<b>338271</b>	93.5	95	0.008



## DDH-S-7-17

Table 13. Au assay results for DDH-S-7-17.

Sample Number	Sample Length		Au (g/t)
	From:	To:	
338451	14	15.5	<0.005
338452	15.5	17	<0.005
338453	17	18.5	0.24
338454	18.5	20	<0.005
338455	20	21.5	<0.005
338456	21.5	22.7	0.001
338457	22.7	23.2	2.83
338458	23.2	24.8	0.009
338459	24.8	26	0.008
338460	26	26.7	<0.005
338461	26.7	28	<0.005
338462	28	29	<0.005
338463	29	30.5	<0.005
338464	30.5	32	<0.005
338465	32	33.5	<0.005
338466	33.5	35	<0.005
338467	35	36.5	<0.005
338468	36.5	38	<0.005
338469	38	39.5	0.028
338472	39.5	41	0.49
338473	41	42.5	<0.005
338474	42.5	44	<0.005
338475	44	45.5	<0.005
338476	45.5	47	<0.005
338477	47	48.5	<0.005
338478	48.5	50	<0.005
338479	50	51.5	<0.005
338480	51.5	53	<0.005
338481	53	54.5	<0.005
338482	54.5	56	<0.005
338483	56	57.5	<0.005
338484	57.5	59	<0.005
338485	59	60.5	<0.005
338486	60.5	62	<0.005
338487	62	63.5	0.041
338488	63.5	65	<0.005
338489	65	66.5	<0.005

338490	66.5	68	<0.005
338493	68	69.5	<0.005
338494	69.5	71	<0.005
338495	71	72.5	<0.005
338496	72.5	74	<0.005
338497	74	75.5	<0.005
338498	75.5	77	<0.005
338499	77	78.5	<0.005
338500	78.5	80	<0.005
338501	80	81.5	<0.005
338502	81.5	83	<0.005
338503	83	84.5	<0.005
338504	84.5	85.6	<0.005
338505	85.6	87	0.045
338506	87	88.5	0.023
338507	88.5	90	0.121
338508	90	91.5	0.172
338509	91.5	92.4	0.395
338510	92.4	94	0.04
338513	94	95.3	0.051
338514	95.3	96	0.08
338515	96	97	0.046
338516	97	98	0.012
338517	98	99	0.008
338518	99	100.1	0.006
338519	100.1	101	<0.005
338520	101	102.5	<0.005
338521	102.5	104	0.015
338522	104	105.5	0.019
338523	105.5	107	0.006
338524	107	108.5	0.014
338525	108.5	110	<0.005
338526	110	111.5	0.007
338527	111.5	113	<0.005
338528	113	114.5	<0.005
338529	114.5	116	0.009
338530	116	117.5	0.012
338531	117.5	119	<0.005
338532	119	120.5	0.014
338535	120.5	122	0.019
338536	122	123.5	<0.005
338537	123.5	125	<0.005
338538	125	126.5	0.006

<b>338539</b>	126.5	128	0.011
<b>338540</b>	128	129.5	0.011
<b>338541</b>	129.5	131	<0.005
<b>338542</b>	131	132.5	<0.005
<b>338543</b>	132.5	134	<0.005
<b>338544</b>	134	135.5	<0.005
<b>338545</b>	135.5	136.5	<0.005

Appendix D – DDH Sections

DDH-S-1-17

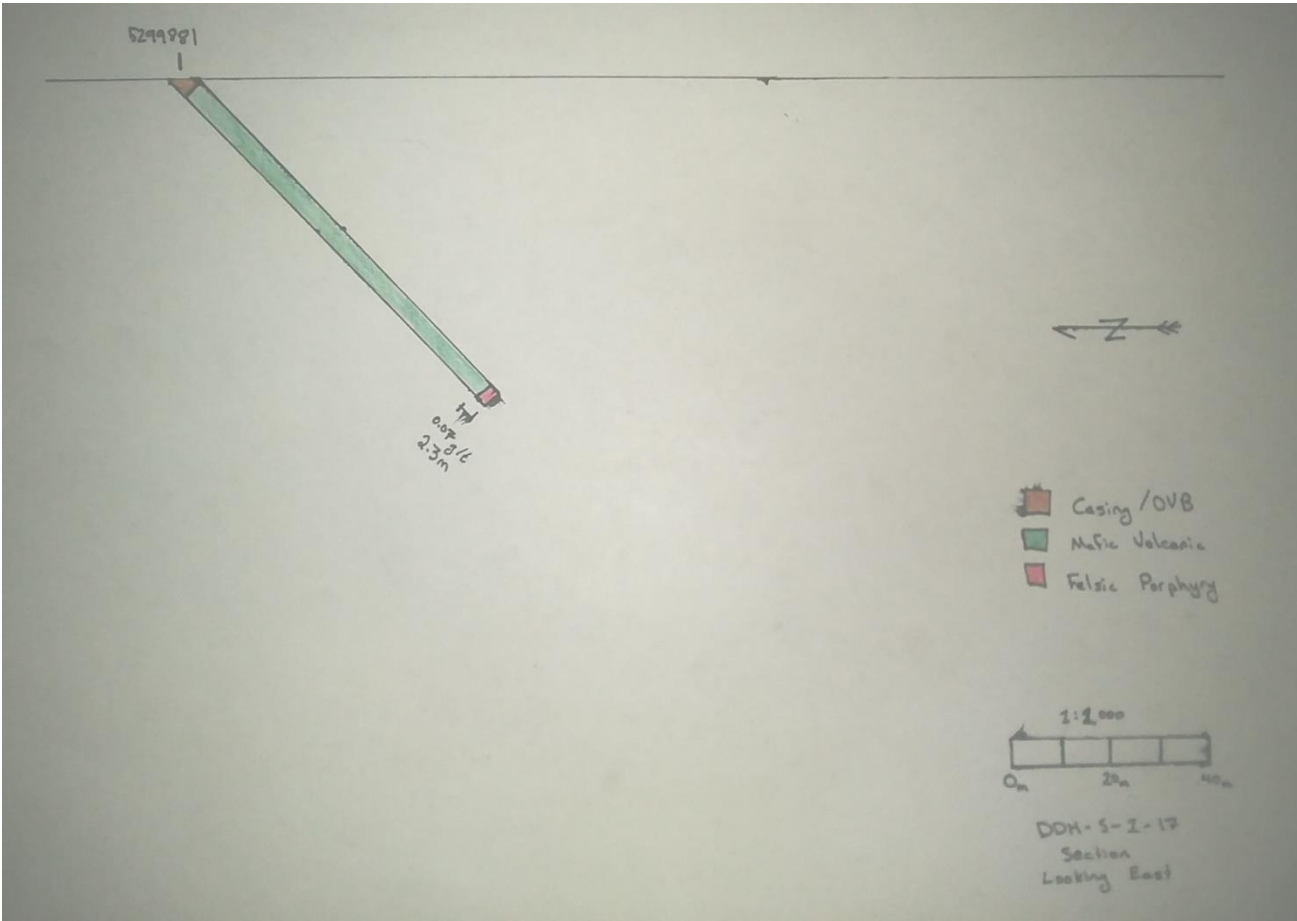


Figure 1. DDH-S-1-17 section.

## DDH-S-2-17

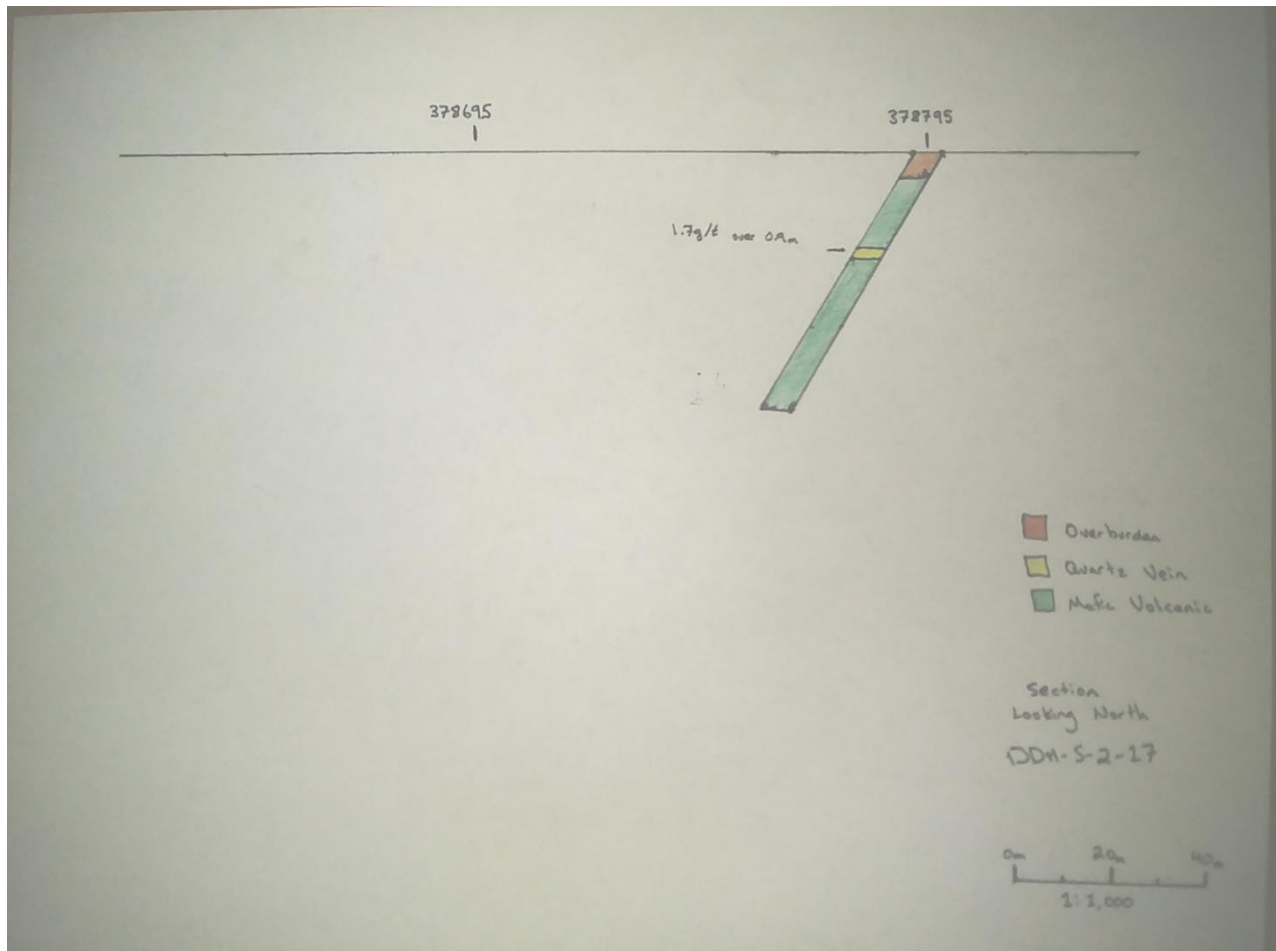


Figure 2. DDH-S-2-17 section.

DDH-S-3-17



Figure 3. DDH-S-3-17 section.

# DDH-S-4-17

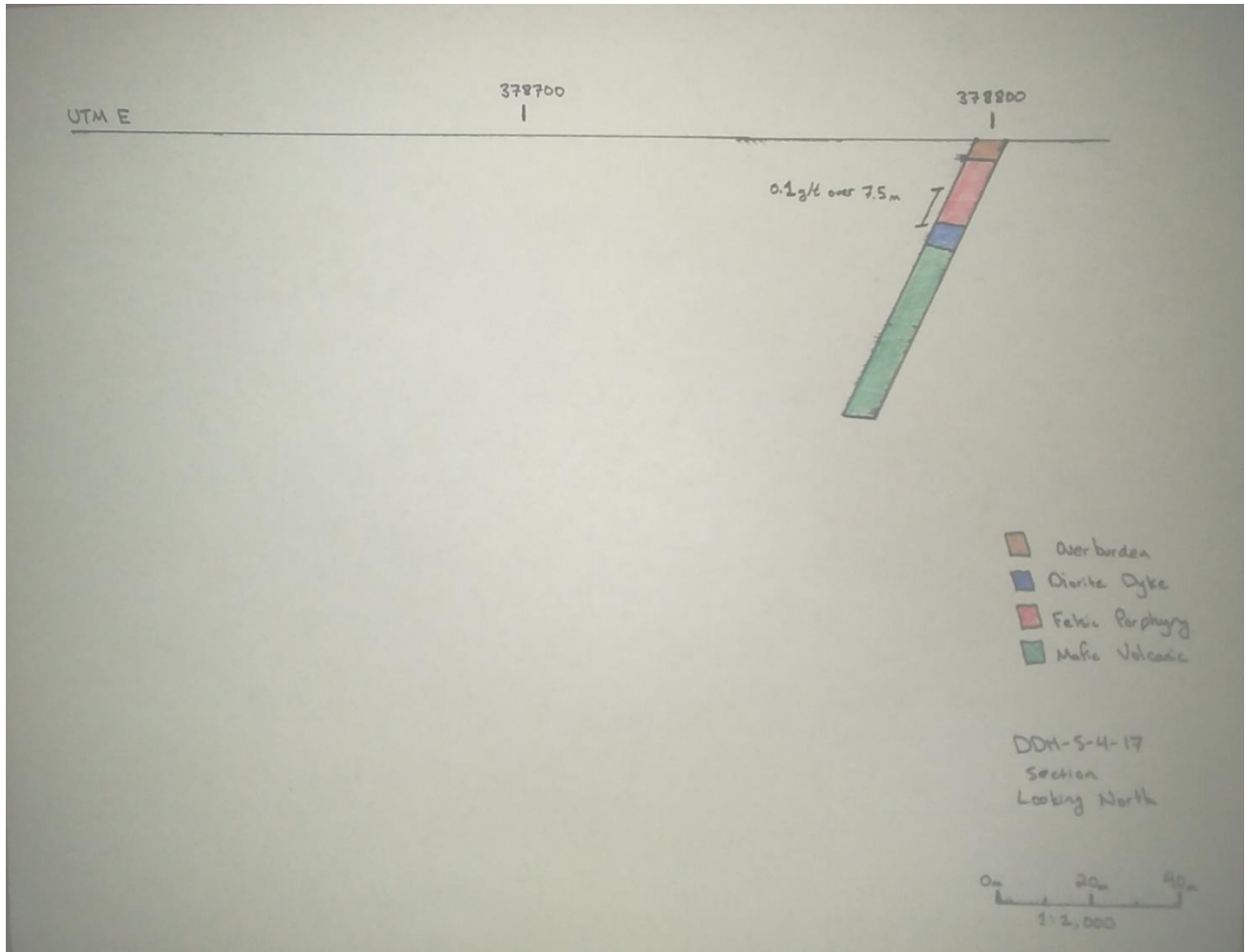


Figure 4. DDH-S-4-17 section.

DDH-S-5-17

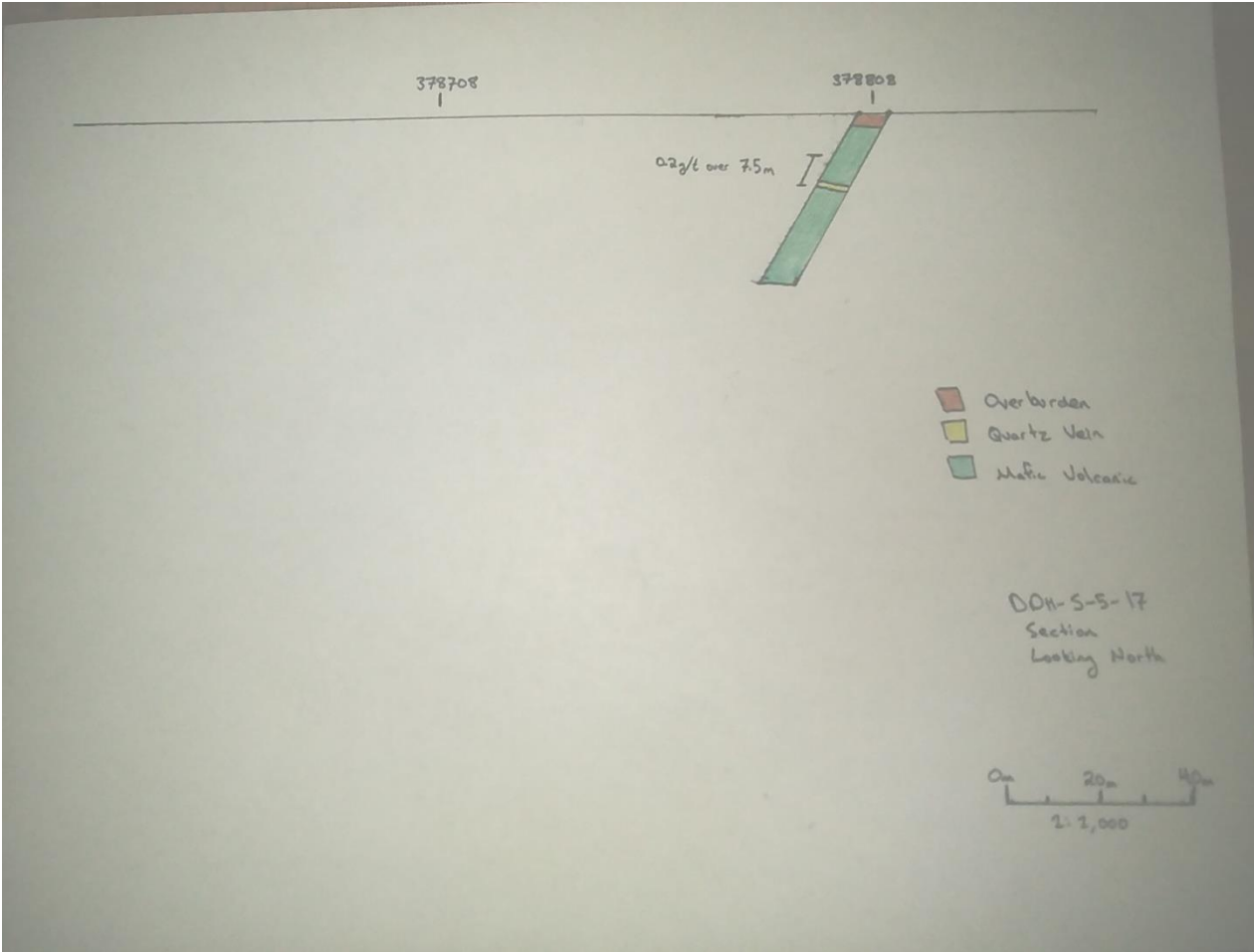


Figure 5. DDH-S-5-17 section.



# DDH-S-6-17

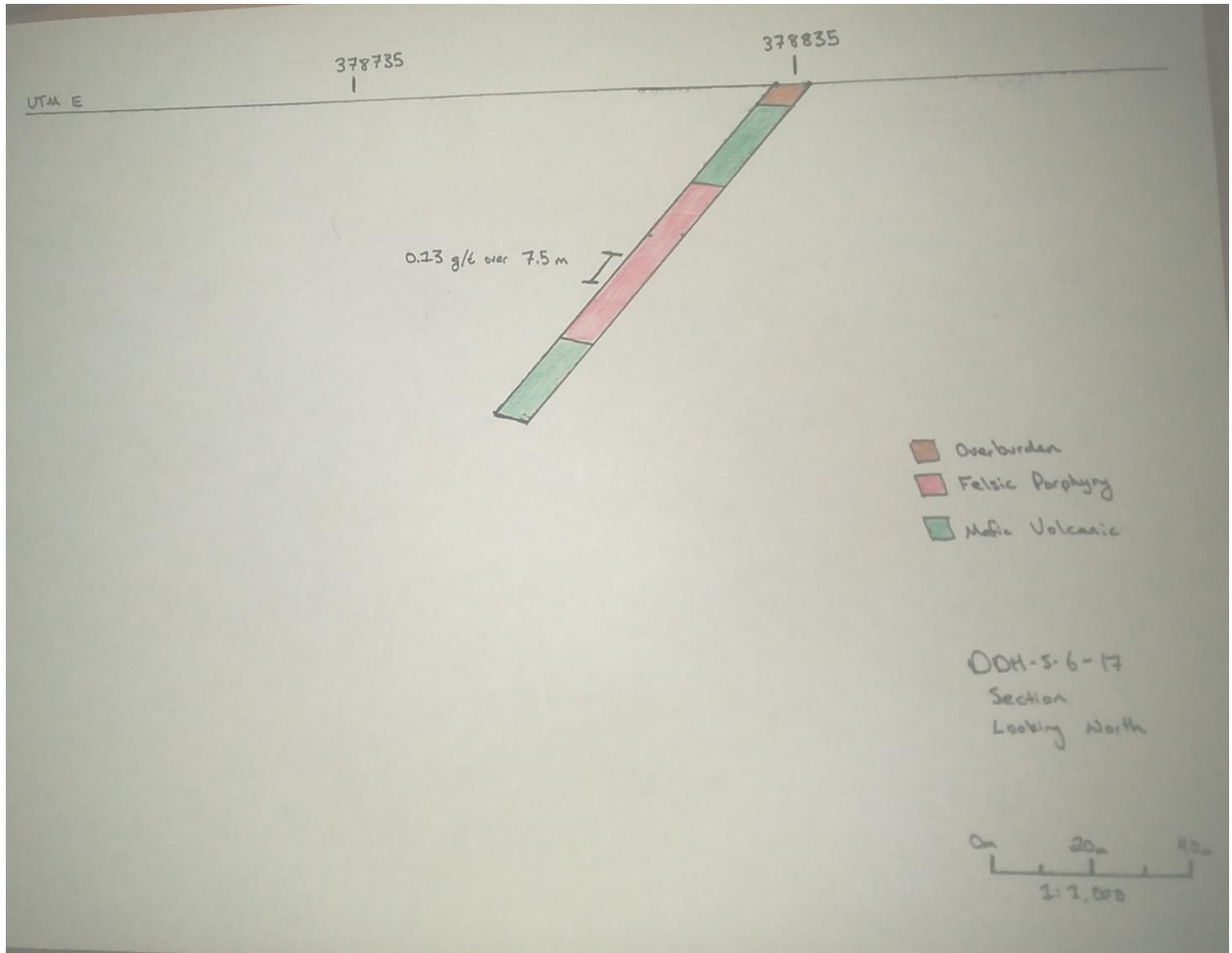


Figure 6. DDH-S-6-17 section.

# DDH-S-7-17

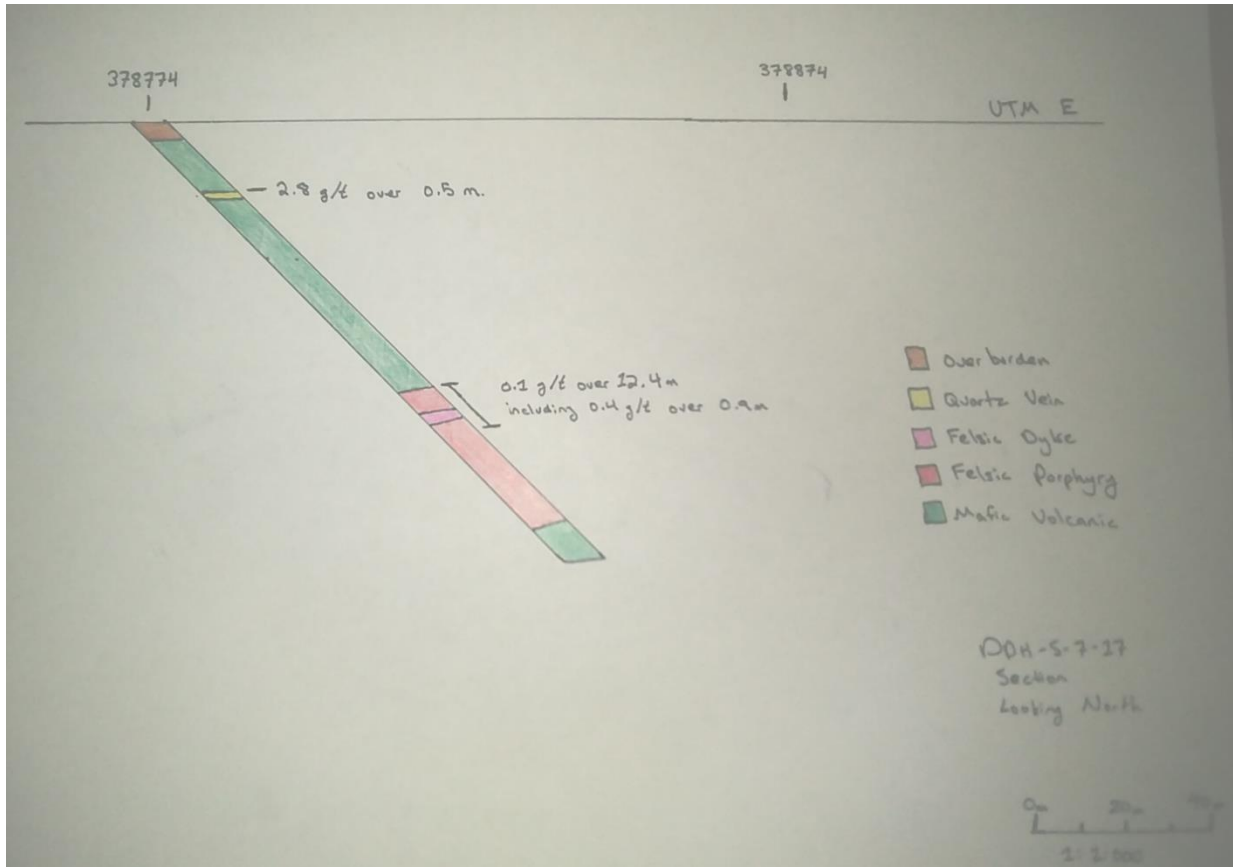


Figure 7. DDH-S-7-17 section.

## **Appendix E – Assay Certificates**



**Date Submitted:** 01-May-17  
**Invoice No.:** A17-04222  
**Invoice Date:** 17-May-17  
**Your Reference:**

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock ON**  
**Canada**

**ATTN: Drew Currah**

## CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2 Au - Fire Assay AA

Code 1F2 Total Digestion ICP(TOTAL)

REPORT      **A17-04222**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

## Results

## Activation Laboratories Ltd.

Report: A17-04222

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
S-1	5	< 0.3	6.39	16	226	< 1	6	3.98	0.3	82	43	87	8.11	16	< 1	0.25	2.04	10	1010	< 1	2.66	73	0.054
S-2	< 5	< 0.3	7.73	< 3	350	< 1	< 2	2.76	< 0.3	5	12	4	1.99	19	< 1	0.74	0.43	14	297	< 1	2.91	6	0.019
S-3	7	< 0.3	8.01	< 3	115	< 1	< 2	6.69	< 0.3	54	185	137	8.38	18	< 1	0.29	2.44	14	1620	< 1	1.51	146	0.026
S-4	5	< 0.3	6.29	3	238	< 1	< 2	1.59	< 0.3	7	12	20	1.86	13	< 1	0.73	0.36	9	355	< 1	3.34	17	0.033
S-5	< 5	< 0.3	6.58	< 3	307	< 1	< 2	5.28	< 0.3	40	66	60	8.51	20	< 1	0.50	2.66	8	1440	< 1	2.13	49	0.050
S-6	< 5	< 0.3	6.16	< 3	10	< 1	< 2	10.2	< 0.3	17	34	18	6.66	20	< 1	0.03	1.66	1	929	< 1	0.05	50	0.015
S-7	< 5	< 0.3	7.40	< 3	469	< 1	< 2	3.95	< 0.3	5	16	43	2.43	20	< 1	1.89	0.55	11	398	< 1	2.31	11	0.033
S-8	< 5	< 0.3	6.73	3	111	< 1	< 2	5.97	0.3	54	24	103	9.09	21	< 1	0.16	2.78	8	1990	< 1	2.12	61	0.051
S-9	< 5	< 0.3	7.74	< 3	37	< 1	< 2	5.40	0.3	56	179	114	10.1	19	< 1	0.07	3.21	13	1980	< 1	1.14	107	0.024
S-10	< 5	< 0.3	7.03	< 3	130	< 1	3	3.60	< 0.3	64	39	148	10.1	18	< 1	0.11	2.81	13	1270	< 1	2.68	78	0.058

Results

Activation Laboratories Ltd.

Report: A17-04222

Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
S-1	< 3	< 5	2.90	40	131	3	0.88	< 5	< 10	367	< 5	39	84	79
S-2	< 3	< 5	< 0.01	< 4	203	< 2	0.17	< 5	< 10	14	< 5	4	47	59
S-3	< 3	< 5	0.03	52	128	< 2	0.18	< 5	< 10	168	< 5	25	75	21
S-4	3	< 5	0.06	6	213	< 2	0.18	< 5	< 10	41	< 5	8	59	108
S-5	< 3	< 5	0.29	44	112	< 2	0.26	< 5	< 10	214	< 5	43	113	30
S-6	< 3	< 5	0.01	30	430	< 2	0.22	< 5	< 10	192	< 5	12	20	27
S-7	< 3	< 5	0.09	8	262	< 2	0.24	< 5	< 10	34	< 5	14	21	134
S-8	< 3	< 5	0.21	49	115	< 2	0.21	< 5	< 10	173	< 5	42	109	14
S-9	< 3	< 5	0.05	54	127	< 2	0.37	< 5	< 10	256	< 5	21	117	20
S-10	< 3	< 5	2.33	44	106	3	0.57	< 5	< 10	261	< 5	43	82	57

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas		31.8	2.33	435	721	1	1380	0.92	3.0	9	16	1200	24.4	13	7	0.05	0.23	8	883	16	0.05	48	0.061
GXR-1 Cert		31.0	3.52	427	750	1.22	1380	0.960	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		3.2	6.22	108	172	2	16	1.05	0.5	14	40	6430	3.02	18	< 1	3.65	1.68	11	168	334	0.52	42	0.136
GXR-4 Cert		4.0	7.20	98.0	1640	1.90	19.0	1.01	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120
SDC-1 Meas			7.79	3	630	3		1.08		19	56	30	4.81	22	< 1	2.67	1.00	34	890		1.56	39	0.059
SDC-1 Cert			8.34	0.220	630	3.00		1.00		18.0	64.00	30.000	4.82	21.00	0.20	2.72	1.02	34.00	880.00		1.52	38.0	0.0690
GXR-6 Meas		0.4	9.24	264	> 1000	1	< 2	0.19	0.4	14	87	67	5.10	32	< 1	1.78	0.47	36	1030	< 1	0.11	28	0.027
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	13.8	96.0	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350
DNC-1a Meas					94					56	186	95		12				5				264	
DNC-1a Cert					118					57	270	100		15				5.2				247	
SBC-1 Meas				20	689	3	< 2		0.5	23	87	31		27				160		2		92	
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0000		27.0				163.0		2.40		82.8	
OREAS 45d (4-Acid) Meas			7.73	11	183	< 1	< 2	0.20		34	509	391	14.5	22		0.45	0.24	21	514	2	0.10	270	0.035
OREAS 45d (4-Acid) Cert			8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20		0.412	0.245	21.5	490.000	2.500	0.101	231.0	0.042
SdAR-M2 (U.S.G.S.) Meas					948	8	< 2		5.8	14	41	247		18	2			18		12		57	
SdAR-M2 (U.S.G.S.) Cert					990	6.6	1.05		5.1	12.4	49.6	236.0000		17.6	1.44			17.9		13.3		48.8	
OREAS 203 Meas	884																						
OREAS 203 Cert	871																						
OREAS 203 Meas	872																						
OREAS 203 Cert	871																						
OREAS 203 Meas	882																						
OREAS 203 Cert	871																						
OREAS 223 (Fire Assay) Meas	1740																						
OREAS 223 (Fire Assay) Cert	1780																						
OREAS 223 (Fire Assay) Meas	1690																						
OREAS 223 (Fire Assay) Cert	1780																						
OREAS 223 (Fire Assay) Meas	1770																						
OREAS 223 (Fire Assay) Cert	1780																						
S-8 Orig	< 5																						
S-8 Dup	< 5																						
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001



Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	739	15	0.26	< 4	292	9	0.03	< 5	40	88	163	33	724	24
GXR-1 Cert	730	122	0.257	1.58	275	13.0	0.036	0.390	34.9	80.0	164	32.0	760	38.0
DH-1a Meas									2490					
DH-1a Cert									2629					
GXR-4 Meas	44	< 5	1.78	8	212	< 2	0.29	< 5	< 10	87	43	16	68	39
GXR-4 Cert	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
SDC-1 Meas	21	< 5		16	174		0.30	< 5	< 10	61	< 5		98	40
SDC-1 Cert	25.00	0.54		17.00	180.00		0.606	0.70	3.10	102.00	0.80		103.00	290.00
GXR-6 Meas	91	< 5	< 0.01	22	35	< 2		< 5	< 10	143	< 5	11	121	84
GXR-6 Cert	101	3.60	0.0160	27.6	35.0	0.0180		2.20	1.54	186	1.90	14.0	118	110
DNC-1a Meas	< 3	< 5		31	130		0.29			140		18	56	34
DNC-1a Cert	6.3	0.96		31	144		0.29			148		18.0	70	38.0
SBC-1 Meas	28	< 5		21	176		0.50	< 5	< 10	210	5	37	176	115
SBC-1 Cert	35.0	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0
OREAS 45d (4-Acid) Meas	20	< 5	0.04	56	30		0.13	< 5	< 10	93	6	13	43	47
OREAS 45d (4-Acid) Cert	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
SdAR-M2 (U.S.G.S.) Meas	809			4	145				< 10	27	11	30	799	127
SdAR-M2 (U.S.G.S.) Cert	808			4.1	144				2.53	25.2	2.8	32.7	760	259
OREAS 203 Meas														
OREAS 203 Cert														
OREAS 203 Meas														
OREAS 203 Cert														
OREAS 203 Meas														
OREAS 203 Cert														
OREAS 223 (Fire Assay) Meas														
OREAS 223 (Fire Assay) Cert														
OREAS 223 (Fire Assay) Meas														
OREAS 223 (Fire Assay) Cert														
OREAS 223 (Fire Assay) Meas														
OREAS 223 (Fire Assay) Cert														
S-8 Orig														
S-8 Dup														
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5

Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Method Blank														
Method Blank														
Method Blank														
Method Blank														
Method Blank														
Method Blank														
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5



**Date Submitted:** 08-May-17  
**Invoice No.:** A17-04475  
**Invoice Date:** 09-May-17  
**Your Reference:**

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock Ontario**  
**Canada**

**ATTN: Ben Fuschino**

## CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Timmins Au - Fire Assay AA

REPORT **A17-04475**

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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with a large, sweeping "E" and "S".

---

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
338177	0.079
338180	1.33
338181	0.064
338204	0.008
338118	0.035
338119	1.33
338123	0.436
338124	0.590
338125	0.006
338122	4.15

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
OREAS 251 Meas	0.524
OREAS 251 Cert	0.504
OREAS 203 Meas	0.862
OREAS 203 Cert	0.871
338122 Orig	4.15
338122 Split PREP DUP	4.03
338122 Orig	4.21
338122 Dup	4.08
Method Blank	< 0.005
Method Blank	< 0.005



**Date Submitted:** 15-May-17  
**Invoice No.:** A17-04738  
**Invoice Date:** 29-May-17  
**Your Reference:** May 12, 2017

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock Ontario**  
**Canada**

**ATTN: Ben Fuschino**

## CERTIFICATE OF ANALYSIS

6 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

REPORT **A17-04738**

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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
338205	< 0.005
338206	0.010
338207	0.046
338208	0.017
338209	0.024
338210	0.017

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
OREAS 251 Meas	0.498
OREAS 251 Cert	0.504
OREAS 203 Meas	0.857
OREAS 203 Cert	0.871
Method Blank	< 0.005
Method Blank	< 0.005





**Date Submitted:** 15-May-17  
**Invoice No.:** A17-04814  
**Invoice Date:** 01-Aug-17  
**Your Reference:** Swayze

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock ON**  
**Canada**

**ATTN: Drew Currah**

## CERTIFICATE OF ANALYSIS

8 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1C-Rh Rhodium FA ICP/MS

REPORT **A17-04814**

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.

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [Ancaster@actlabs.com](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)

**Date Submitted:** 15-May-17  
**Invoice No.:** A17-04814  
**Invoice Date:** 01-Aug-17  
**Your Reference:** Swayze

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock ON**  
**Canada**

**ATTN: Drew Currah**

**CERTIFICATE OF ANALYSIS**

8 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Timmins (10g/m t) Au - Fire Assay AA  
Code 1E2-Timmins Aqua Regia ICP(AQUAGEO)

REPORT      **A17-04814**

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.

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:



Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A17-04814

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%
Lower Limit	0.005	0.2	0.2	1	1	2	1	2	1	0.01	3	5	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
338211-1	3.18	0.6	0.2	42	2380	66	29	6	56	0.73	9	< 5	66	< 1	3	6.79	26	11	8.32	3	2	0.22	2.13
338211-2	5.66	1.0	< 0.2	55	2030	103	23	6	47	0.52	15	< 5	59	< 1	3	5.91	27	12	7.60	2	2	0.22	1.84
338211-3	7.32	1.2	0.2	51	2220	63	26	7	59	0.58	13	< 5	52	< 1	5	6.42	29	10	8.54	2	2	0.21	2.10
338211-4	3.51	0.8	0.2	31	1890	140	22	8	43	0.48	8	< 5	46	< 1	3	5.33	21	11	7.59	1	1	0.18	1.71
338211-5	1.98	0.4	0.2	56	2250	40	21	3	60	0.88	6	< 5	61	< 1	< 2	6.51	23	9	7.86	2	2	0.18	2.17
338211-6	0.017	< 0.2	0.3	75	2150	< 2	34	< 2	90	2.22	4	< 5	78	< 1	2	4.90	27	15	9.27	8	4	0.24	2.25
338211-7	5.54	1.0	0.4	44	2310	82	26	6	51	0.36	13	< 5	47	< 1	6	6.67	24	11	8.74	1	1	0.18	2.10
338211-8	2.75	0.7	0.2	41	1790	66	25	6	53	0.53	12	< 5	46	< 1	4	5.20	24	8	7.69	1	2	0.18	1.73

Analyte Symbol	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V	W	Y	Zr	S	Rh
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppb
Lower Limit	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1	1	1	1	0.001	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-MS
338211-1	0.015	0.030	< 5	11.4	< 5	< 5	233	< 1	< 2	0.03	12	88	< 1	7	5	2.46	< 5
338211-2	0.015	0.035	< 5	10.3	< 5	< 5	228	7	< 2	0.02	< 10	69	< 1	6	5	2.75	< 5
338211-3	0.014	0.035	< 5	11.7	< 5	< 5	278	< 1	< 2	0.01	< 10	66	4	6	5	3.06	< 5
338211-4	0.014	0.021	< 5	11.0	< 5	< 5	201	3	< 2	0.03	< 10	66	2	6	5	2.93	< 5
338211-5	0.013	0.030	< 5	11.2	< 5	< 5	223	1	< 2	0.02	13	86	4	7	4	1.41	< 5
338211-6	0.008	0.048	< 5	15.4	< 5	< 5	148	< 1	< 2	0.05	< 10	147	3	6	4	0.107	< 5
338211-7	0.012	0.021	< 5	12.3	< 5	< 5	279	8	< 2	0.01	11	64	3	7	6	3.73	< 5
338211-8	0.020	0.024	< 5	11.7	< 5	< 5	234	10	< 2	0.04	< 10	71	4	6	5	3.06	< 5

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%
Lower Limit	0.005	0.2	0.2	1	1	2	1	2	1	0.01	3	5	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		28.0	2.6	1020	822	14	33	688	680	0.36	373	8	392	< 1	1440	0.82	5	7	21.8	4	5	0.03	0.14
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	7.50	0.050	0.217
GXR-4 Meas		3.2	0.3	6450	153	334	33	45	76	2.96	106	< 5	32	1	19	0.91	13	56	3.15	10	59	1.80	1.77
GXR-4 Cert		4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	64.5	4.01	1.66
GXR-6 Meas		0.4	< 0.2	67	1110	< 2	20	96	131	7.59	251	< 5	1030	< 1	< 2	0.17	12	83	5.64	16	12	1.21	0.43
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	13.9	1.87	0.609
WMS-1a Meas																							
WMS-1a Cert																							
OREAS 251 Meas	0.488																						
OREAS 251 Cert	0.504																						
338211-2 Orig		1.1	< 0.2	60	2040	103	23	6	48	0.53	17	< 5	57	< 1	3	5.93	27	12	7.62	2	2	0.22	1.85
338211-2 Dup		0.9	0.2	51	2020	103	24	6	46	0.51	12	< 5	60	< 1	2	5.90	27	12	7.58	2	2	0.21	1.83
338211-8 Orig																							
338211-8 Dup																							
Method Blank		< 0.2	< 0.2	1	5	< 2	< 1	< 2	< 1	< 0.01	< 3	< 5	7	< 1	< 2	< 0.01	< 1	< 2	< 0.01	< 1	< 1	< 0.01	< 0.01
Method Blank		< 0.2	< 0.2	< 1	3	< 2	< 1	< 2	< 1	< 0.01	< 3	< 5	8	< 1	< 2	< 0.01	< 1	< 2	< 0.01	< 1	< 1	< 0.01	< 0.01
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank																							

Analyte Symbol	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V	W	Y	Zr	S	Rh
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppb
Lower Limit	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1	1	1	1	0.001	5
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-MS
GXR-1 Meas	0.048	0.040	85	1.0	10	26	183	22	< 2	< 0.01	32	81	147	27	15	0.201	
GXR-1 Cert	0.0520	0.0650	122	1.58	16.6	54.0	275	13.0	0.390	0.036	34.9	80.0	164	32.0	38.0	0.257	
GXR-4 Meas	0.167	0.128	< 5	6.8	16	6	80	5	< 2	0.16	< 10	84	14	13	10	1.72	
GXR-4 Cert	0.564	0.120	4.80	7.70	5.60	5.60	221	0.970	3.20	0.29	6.20	87.0	30.8	14.0	186	1.77	
GXR-6 Meas	0.147	0.034	< 5	23.1	< 5	< 5	37	6	< 2		< 10	186	< 1	8	15	0.016	
GXR-6 Cert	0.104	0.0350	3.60	27.6	0.940	1.70	35.0	0.0180	2.20		1.54	186	1.90	14.0	110	0.0160	
WMS-1a Meas																	245
WMS-1a Cert																	222
OREAS 251 Meas																	
OREAS 251 Cert																	
338211-2 Orig	0.015	0.035	< 5	10.3	< 5	< 5	232	8	< 2	0.02	< 10	70	3	7	5	2.81	
338211-2 Dup	0.014	0.035	< 5	10.3	< 5	< 5	224	7	< 2	0.02	< 10	68	< 1	6	5	2.69	
338211-8 Orig																	< 5
338211-8 Dup																	< 5
Method Blank	0.062	< 0.001	< 5	< 0.1	< 5	< 5	< 1	3	< 2	< 0.01	< 10	< 1	< 1	< 1	< 1	< 0.001	
Method Blank	0.062	< 0.001	< 5	< 0.1	< 5	< 5	< 1	< 1	< 2	< 0.01	< 10	< 1	< 1	< 1	< 1	< 0.001	
Method Blank																	
Method Blank																	
Method Blank																	< 5



**Date Submitted:** 14-Jul-17  
**Invoice No.:** A17-07184  
**Invoice Date:** 03-Aug-17  
**Your Reference:** C-1

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock ON**  
**Canada**

**ATTN: Drew Currah**

## CERTIFICATE OF ANALYSIS

154 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Timmins Au - Fire Assay AA

REPORT **A17-07184**

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:

A handwritten signature in black ink, consisting of several loops and a vertical line, positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
338054	< 5
338055	< 5
338056	7
338057	< 5
338058	< 5
338059	< 5
338060	< 5
338061	< 5
338062	5
338063	< 5
338064	< 5
338065	< 5
338066	8
338067	< 5
338068	< 5
338069	23
338070	< 5
338071	< 5
338072	< 5
338073	< 5
338074	2290
338075	< 5
338076	< 5
338077	< 5
338078	6
338079	< 5
338080	< 5
338081	14
338082	27
338083	25
338084	22
338085	7
338086	< 5
338087	96
338088	15
338089	34
338090	174
338091	349
338092	8
338093	7
338094	7
338095	6750



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
338096	5
338097	10
338098	7
338099	5
338100	6
338251	< 5
338252	6
338253	5
338254	5
338255	6
338256	5
338257	7
338258	6
338259	11
338260	10
338261	8
338262	10
338263	10
338264	8
338265	8
338266	7
338267	841
338268	9
338269	8
338270	7
338271	8
338272	6
338273	5
338274	< 5
338275	< 5
338276	< 5
338277	722
338278	7
338279	7
338280	35
338281	270
338282	7
338283	< 5
338284	< 5
338285	< 5
338286	5
338287	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
338288	5
338289	5
338290	5
338291	2480
338292	6
338293	6
338294	6
338295	30
338296	9
338297	8
338298	78
338299	8
338300	8
338301	17
338302	187
338303	8
338304	7
338305	7
338306	7
338307	5
338308	5
338309	994
338310	6
338311	10
338312	11
338313	20
338314	6
338315	9
338316	116
338317	146
338318	78
338319	64
338320	155
338321	7
338322	15
338323	10
338324	8
338325	16
338326	8
338327	6
338328	5
338329	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
338330	6450
338331	6
338332	6
338333	7
338334	220
338335	7
338336	10
338337	158
338338	6
338339	8
338340	6
338341	6
338342	< 5
338343	5
338344	< 5
338345	< 5
338346	6
338347	7
338348	< 5
338349	< 5
338350	745
338351	< 5
338352	< 5
338353	< 5
338354	< 5
338355	< 5
338356	< 5
338357	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 203 Meas	900
OREAS 203 Cert	871
OREAS 203 Meas	892
OREAS 203 Cert	871
OREAS 203 Meas	888
OREAS 203 Cert	871
OREAS 203 Meas	884
OREAS 203 Cert	871
OREAS 203 Meas	874
OREAS 203 Cert	871
OREAS 218 Meas	546
OREAS 218 Cert	525
OREAS 218 Meas	543
OREAS 218 Cert	525
OREAS 218 Meas	539
OREAS 218 Cert	525
OREAS 218 Meas	543
OREAS 218 Cert	525
OREAS 218 Meas	546
OREAS 218 Cert	525
338063 Orig	< 5
338063 Dup	< 5
338073 Orig	< 5
338073 Dup	< 5
338083 Orig	22
338083 Dup	27
338097 Orig	10
338097 Dup	9
338253 Orig	5
338253 Split PREP DUP	6
338257 Orig	7
338257 Dup	7
338268 Orig	7
338268 Dup	11
338281 Orig	269
338281 Dup	270
338292 Orig	6
338292 Dup	5
338301 Orig	16
338301 Dup	18
338303 Orig	8

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
338303 Split PREP DUP	8
338316 Orig	109
338316 Dup	123
338326 Orig	8
338326 Dup	8
338336 Orig	10
338336 Dup	10
338351 Orig	< 5
338351 Dup	< 5
338353 Orig	< 5
338353 Split PREP DUP	< 5
Method Blank	5
Method Blank	6
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	5
Method Blank	< 5
Method Blank	5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 14-Jul-17  
**Invoice No.:** A17-07186  
**Invoice Date:** 03-Aug-17  
**Your Reference:** C-1

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock ON**  
**Canada**

**ATTN: Drew Currah**

## CERTIFICATE OF ANALYSIS

85 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Timmins Au - Fire Assay AA

REPORT **A17-07186**

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:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat abstract, with overlapping loops and a long horizontal stroke at the end.

---

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
338358	5	
338359	5	
338360	5	
338361	5	
338362	49	
338363	44	
338364	12	
338365	6	
338366	6	
338367	6	
338368	5	
338369	5	
338370	11	
338371	11	
338372	6	
338373	6	
338374	5	
338375	7	
338376	7	
338377	854	
338378	7	
338379	6	
338380	7	
338381	8	
338382	8	
338383	6	
338384	7	
338385	5	
338386	5	
338387	12	
338388	5	
338389	5	
338390	10	
338391	8	
338392	7	
338393	8	
338394	7	
338395	9	
338396	> 5000	7.27
338397	8	
338398	8	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
338399	9	
338400	16	
338401	63	
338402	8	
338403	8	
338404	7	
338405	136	
338406	10	
338407	10	
338408	6	
338409	8	
338410	16	
338411	6	
338412	10	
338413	5	
338414	2600	
338415	6	
338416	6	
338417	7	
338418	13	
338419	8	
338420	16	
338421	7	
338422	7	
338423	17	
338424	9	
338425	6	
338426	6	
338427	6	
338428	5	
338429	5	
338430	7	
338431	10	
338432	> 5000	6.99
338433	12	
338434	7	
338435	6	
338436	6	
338437	7	
338438	6	
338439	6	
338440	13	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
338441	5	
338442	6	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OXN117 Meas		7.99
OXN117 Cert		7.679
OxP116 Meas		15.4
OxP116 Cert		14.92
OREAS 203 Meas	888	
OREAS 203 Cert	871	
OREAS 203 Meas	922	
OREAS 203 Cert	871	
OREAS 203 Meas	924	
OREAS 203 Cert	871	
OREAS 203 Meas	923	
OREAS 203 Cert	871	
OREAS 218 Meas	534	
OREAS 218 Cert	525	
OREAS 218 Meas	557	
OREAS 218 Cert	525	
OREAS 218 Meas	561	
OREAS 218 Cert	525	
OREAS 218 Meas	566	
OREAS 218 Cert	525	
338367 Orig	6	
338367 Dup	5	
338387 Orig	12	
338387 Dup	12	
338402 Orig	7	
338402 Dup	8	
338407 Orig	10	
338407 Split PREP DUP	9	
338412 Orig	5	
338412 Dup	14	
338422 Orig	6	
338422 Dup	7	
338437 Orig	7	
338437 Dup	6	
Method Blank	< 5	
Method Blank	5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	5	
Method Blank		< 0.03

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Method Blank		< 0.03
Method Blank	5	
Method Blank	< 5	



**Date Submitted:** 16-Oct-17  
**Invoice No.:** A17-11409  
**Invoice Date:** 21-Nov-17  
**Your Reference:** C-1

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock ON**  
**Canada**

**ATTN: Drew Currah**

## CERTIFICATE OF ANALYSIS

96 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2 Au - Fire Assay AA

Code 1F2 Total Digestion ICP(TOTAL)

REPORT      **A17-11409**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
338451	< 5																						
338452	< 5																						
338453	240																						
338454	< 5																						
338455	< 5																						
338456	10																						
338457	2830																						
338458	9																						
338459	8																						
338460	< 5																						
338461	< 5																						
338462	< 5																						
338463	< 5																						
338464	< 5																						
338465	< 5																						
338466	< 5																						
338467	< 5																						
338468	< 5																						
338469	28																						
338470	2530																						
338471	< 5																						
338472	492																						
338473	5																						
338474	< 5																						
338475	< 5																						
338476	< 5																						
338477	< 5																						
338478	< 5																						
338479	< 5																						
338480	< 5																						
338481	< 5																						
338482	< 5																						
338483	< 5																						
338484	< 5																						
338485	< 5																						
338486	< 5																						
338487	41																						
338488	< 5																						
338489	< 5																						
338490	< 5																						
338491	> 5000																						
338492	< 5																						

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
338493	< 5																						
338494	< 5																						
338495	< 5																						
338496	< 5																						
338497	< 5																						
338498	< 5																						
338499	< 5																						
338500	< 5																						
338501	< 5																						
338502	< 5																						
338503	< 5																						
338504	< 5																						
338505	45																						
338506	23																						
338507	121																						
338508	172																						
338509	395																						
338510	40																						
338511	761																						
338512	< 5																						
338513	51																						
338514	80																						
338515	46																						
338516	12																						
338517	8																						
338518	6																						
338519	< 5																						
338520	< 5																						
338521	15																						
338522	19																						
338523	6																						
338524	14																						
338525	< 5																						
338526	7																						
338527	< 5																						
338528	< 5																						
338529	9																						
338530	12																						
338531	< 5																						
338532	14																						
338533	2590																						
338534	< 5																						

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
338535	19																						
338536	< 5																						
338537	< 5																						
338538	6																						
338539	11																						
338540	11																						
338541	< 5																						
338542	< 5																						
338543	< 5																						
338544	< 5																						
338545	< 5																						
338553	12	< 0.3	7.30	< 3	357	< 1	< 2	1.76	< 0.3	7	28	7	1.86	19	< 1	1.43	0.65	2	297	< 1	3.52	32	0.044

Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.03
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA- GRA
338451															
338452															
338453															
338454															
338455															
338456															
338457															
338458															
338459															
338460															
338461															
338462															
338463															
338464															
338465															
338466															
338467															
338468															
338469															
338470															
338471															
338472															
338473															
338474															
338475															
338476															
338477															
338478															
338479															
338480															
338481															
338482															
338483															
338484															
338485															
338486															
338487															
338488															
338489															
338490															
338491															6.56



Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.03
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA- GRA
338492															
338493															
338494															
338495															
338496															
338497															
338498															
338499															
338500															
338501															
338502															
338503															
338504															
338505															
338506															
338507															
338508															
338509															
338510															
338511															
338512															
338513															
338514															
338515															
338516															
338517															
338518															
338519															
338520															
338521															
338522															
338523															
338524															
338525															
338526															
338527															
338528															
338529															
338530															
338531															
338532															
338533															

Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.03
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA- GRA
338534															
338535															
338536															
338537															
338538															
338539															
338540															
338541															
338542															
338543															
338544															
338545															
338553	< 3	< 5	< 0.01	5	161	< 2	0.15	< 5	< 10	37	< 5	5	44	58	

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas		31.9	2.26	434	635	1	1390	0.90	3.1	8	9	1130	23.8	16	11	0.05	0.21	8	916	15	0.04	54	0.057
GXR-1 Cert		31.0	3.52	427	750	1.22	1380	0.960	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650
GXR-1 Meas		31.8	2.29	450	676	1	1400	0.91	3.2	9	14	1150	24.4	17	9	0.05	0.21	8	909	15	0.04	44	0.058
GXR-1 Cert		31.0	3.52	427	750	1.22	1380	0.960	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		3.1	6.72	106	148	2	9	1.07	< 0.3	15	41	6500	3.11	17	< 1	3.34	1.68	11	151	330	0.51	45	0.134
GXR-4 Cert		4.0	7.20	98.0	1640	1.90	19.0	1.01	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120
GXR-4 Meas		3.4	6.75	110	316	2	14	1.07	< 0.3	15	45	6550	3.11	18	< 1	4.29	1.68	11	152	324	0.51	42	0.133
GXR-4 Cert		4.0	7.20	98.0	1640	1.90	19.0	1.01	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120
SDC-1 Meas			8.26	< 3	630	3		1.09		19	45	29	4.87	22	< 1	1.40	0.99	34	863		1.51	37	0.057
SDC-1 Cert			8.34	0.220	630	3.00		1.00		18.0	64.00	30.000	4.82	21.00	0.20	2.72	1.02	34	880.00		1.52	38.0	0.0690
GXR-6 Meas		1.5	13.8	282	> 1000	1	< 2	0.20	< 0.3	15	51	65	5.54	32	< 1	1.13	0.61	34	1050	< 1	0.10	28	0.035
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	13.8	96.0	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350
GXR-6 Meas		< 0.3	13.9	263	> 1000	1	< 2	0.20	< 0.3	15	56	65	5.51	32	< 1	1.33	0.61	34	1030	< 1	0.10	28	0.034
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	13.8	96.0	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350
DNC-1a Meas					94					56	148	91		14					4				254
DNC-1a Cert					118					57	270	100		15					5.2				247
DNC-1a Meas					92					55	197	90		13					4				249
DNC-1a Cert					118					57	270	100		15					5.2				247
SBC-1 Meas				20	449	3	< 2		< 0.3	24	93	34		27					154		1		89
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109			27.0					163		2		83
SBC-1 Meas				16	355	3	< 2		< 0.3	24	82	29		26					151		1		88
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109			27.0					163		2		83
OREAS 45d (4-Acid) Meas			8.15	6	182	< 1	< 2	0.20		34	493	375	14.6	24		0.44	0.24	20	517	< 1	0.09	259	0.034
OREAS 45d (4-Acid) Cert			8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20		0.412	0.245	21.5	490.000	2.500	0.101	231.0	0.042
OREAS 45d (4-Acid) Meas			8.04	8	179	< 1	< 2	0.20		35	539	369	14.4	23		0.43	0.24	20	514	< 1	0.09	255	0.039
OREAS 45d (4-Acid) Cert			8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20		0.412	0.245	21.5	490.000	2.500	0.101	231.0	0.042
OXN117 Meas																							
OXN117 Cert																							
SdAR-M2 (U.S.G.S.) Meas					> 1000	8	< 2		5.5	15	31	249		18	< 1				18		13		59
SdAR-M2 (U.S.G.S.) Cert					990	6.6	1.05		5.1	12.4	49.6	236.0000		17.6	1.44				18		13		49
SdAR-M2 (U.S.G.S.) Meas					> 1000	7	< 2		5.6	15	70	255		18	< 1				18		13		60

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
SdAR-M2 (U.S.G.S.) Cert					990	6.6	1.05		5.1	12.4	49.6	236.0000		17.6	1.44			18		13		49	
OREAS 218 Meas	539																						
OREAS 218 Cert	531																						
OREAS 218 Meas	544																						
OREAS 218 Cert	531																						
OREAS 224 (Fire Assay) Meas	2170																						
OREAS 224 (Fire Assay) Cert	2150																						
OREAS 224 (Fire Assay) Meas	2170																						
OREAS 224 (Fire Assay) Cert	2150																						
338460 Orig	< 5																						
338460 Dup	< 5																						
338475 Orig	< 5																						
338475 Dup	< 5																						
338480 Orig	< 5																						
338480 Dup	< 5																						
338495 Orig	< 5																						
338495 Dup	< 5																						
338500 Orig	< 5																						
338500 Split PREP DUP	< 5																						
338509 Orig	413																						
338509 Dup	378																						
338514 Orig	83																						
338514 Dup	78																						
338529 Orig	11																						
338529 Dup	7																						
338544 Orig	< 5																						
338544 Dup	< 5																						
338553 Orig	12	< 0.3	7.30	< 3	357	< 1	< 2	1.76	< 0.3	7	28	7	1.86	19	< 1	1.43	0.65	2	297	< 1	3.52	32	0.044
338553 Split PREP DUP	10	< 0.3	7.32	< 3	345	< 1	< 2	1.79	< 0.3	7	25	5	1.78	19	< 1	1.47	0.66	2	285	< 1	3.60	28	0.045
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank		< 0.3	0.02	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001
Method Blank	< 5																						

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							

Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.03
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA- GRA
GXR-1 Meas	730	20	0.25	< 4	283	15	0.03	< 5	40	88	159	32	721	11	
GXR-1 Cert	730	122	0.257	1.58	275	13.0	0.036	0.390	34.9	80.0	164	32.0	760	38.0	
GXR-1 Meas	736	31	0.26	< 4	290	13	0.03	< 5	40	89	161	32	730	15	
GXR-1 Cert	730	122	0.257	1.58	275	13.0	0.036	0.390	34.9	80.0	164	32.0	760	38.0	
DH-1a Meas									2640						
DH-1a Cert									2629						
DH-1a Meas									2710						
DH-1a Cert									2629						
GXR-4 Meas	43	< 5	1.84	8	212	< 2	0.29	< 5	< 10	89	36	16	71	45	
GXR-4 Cert	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186	
GXR-4 Meas	42	< 5	1.84	8	213	< 2	0.28	< 5	< 10	89	34	16	70	43	
GXR-4 Cert	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186	
SDC-1 Meas	22	< 5		17	173		0.21	< 5	< 10	55	< 5		98	43	
SDC-1 Cert	25.00	0.54		17.00	180.00		0.606	0.70	3.10	102.00	0.80		103.00	290.00	
GXR-6 Meas	93	< 5	0.02	31	42	< 2		< 5	< 10	137	< 5	15	124	84	
GXR-6 Cert	101	3.60	0.0160	27.6	35.0	0.0180		2.20	1.54	186	1.90	14.0	118	110	
GXR-6 Meas	91	< 5	0.02	29	41	< 2		< 5	< 10	131	< 5	15	123	85	
GXR-6 Cert	101	3.60	0.0160	27.6	35.0	0.0180		2.20	1.54	186	1.90	14.0	118	110	
DNC-1a Meas	4	< 5		31	126		0.27			138		17	52	34	
DNC-1a Cert	6.3	0.96		31	144		0.29			148		18.0	70	38.0	
DNC-1a Meas	4	< 5		31	123		0.27			137		17	52	35	
DNC-1a Cert	6.3	0.96		31	144		0.29			148		18.0	70	38.0	
SBC-1 Meas	28	< 5		22	172		0.50	< 5	10	218	< 5	37	179	119	
SBC-1 Cert	35.0	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
SBC-1 Meas	28	< 5		21	168		0.46	< 5	< 10	212	< 5	36	171	102	
SBC-1 Cert	35.0	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
OREAS 45d (4-Acid) Meas	24	< 5	0.05	58	31		0.17	< 5	< 10	111	< 5	13	43	67	
OREAS 45d (4-Acid) Cert	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141	
OREAS 45d (4-Acid) Meas	17	< 5	0.05	59	31		0.82	< 5	< 10	239	< 5	13	43	161	
OREAS 45d (4-Acid) Cert	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141	
OXN117 Meas															7.50
OXN117 Cert															7.679
SdAR-M2 (U.S.G.S.) Meas	817			5	148				< 10	27	8	31	799	87	
SdAR-M2 (U.S.G.S.) Cert	808			4.1	144				2.53	25.2	2.8	32.7	760	259	
SdAR-M2 (U.S.G.S.) Meas	807			5	144				< 10	28	7	30	798	127	
SdAR-M2	808			4.1	144				2.53	25.2	2.8	32.7	760	259	

Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.03
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA- GRA
(U.S.G.S.) Cert															
OREAS 218 Meas															
OREAS 218 Cert															
OREAS 218 Meas															
OREAS 218 Cert															
OREAS 224 (Fire Assay) Meas															
OREAS 224 (Fire Assay) Cert															
OREAS 224 (Fire Assay) Meas															
OREAS 224 (Fire Assay) Cert															
338460 Orig															
338460 Dup															
338475 Orig															
338475 Dup															
338480 Orig															
338480 Dup															
338495 Orig															
338495 Dup															
338500 Orig															
338500 Split PREP DUP															
338509 Orig															
338509 Dup															
338514 Orig															
338514 Dup															
338529 Orig															
338529 Dup															
338544 Orig															
338544 Dup															
338553 Orig	< 3	< 5	< 0.01	5	161	< 2	0.15	< 5	< 10	37	< 5	5	44	58	
338553 Split PREP DUP	< 3	< 5	< 0.01	5	171	< 2	0.17	< 5	< 10	36	< 5	4	41	60	
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 3	< 5	< 0.01	< 4	< 1	3	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 3	< 5	< 0.01	< 4	2	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank															

Analyte Symbol	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.03
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA- GRA
Method Blank															
Method Blank															
Method Blank															
Method Blank															
Method Blank															
Method Blank															< 0.03
Method Blank															< 0.03





**Date Submitted:** 08-Nov-17  
**Invoice No.:** A17-12629  
**Invoice Date:** 20-Dec-17  
**Your Reference:** C-1

**Joshua Gold Resources**  
**883 Isabel Street**  
**Woodstock ON**  
**Canada**

**ATTN: Drew Currah**

## CERTIFICATE OF ANALYSIS

19 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-g/m t Au - Fire Assay AA (QOP AA-Au)

Code 4C (1-10) Whole Rock Analysis-XRF

REPORT      **A17-12629**

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:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

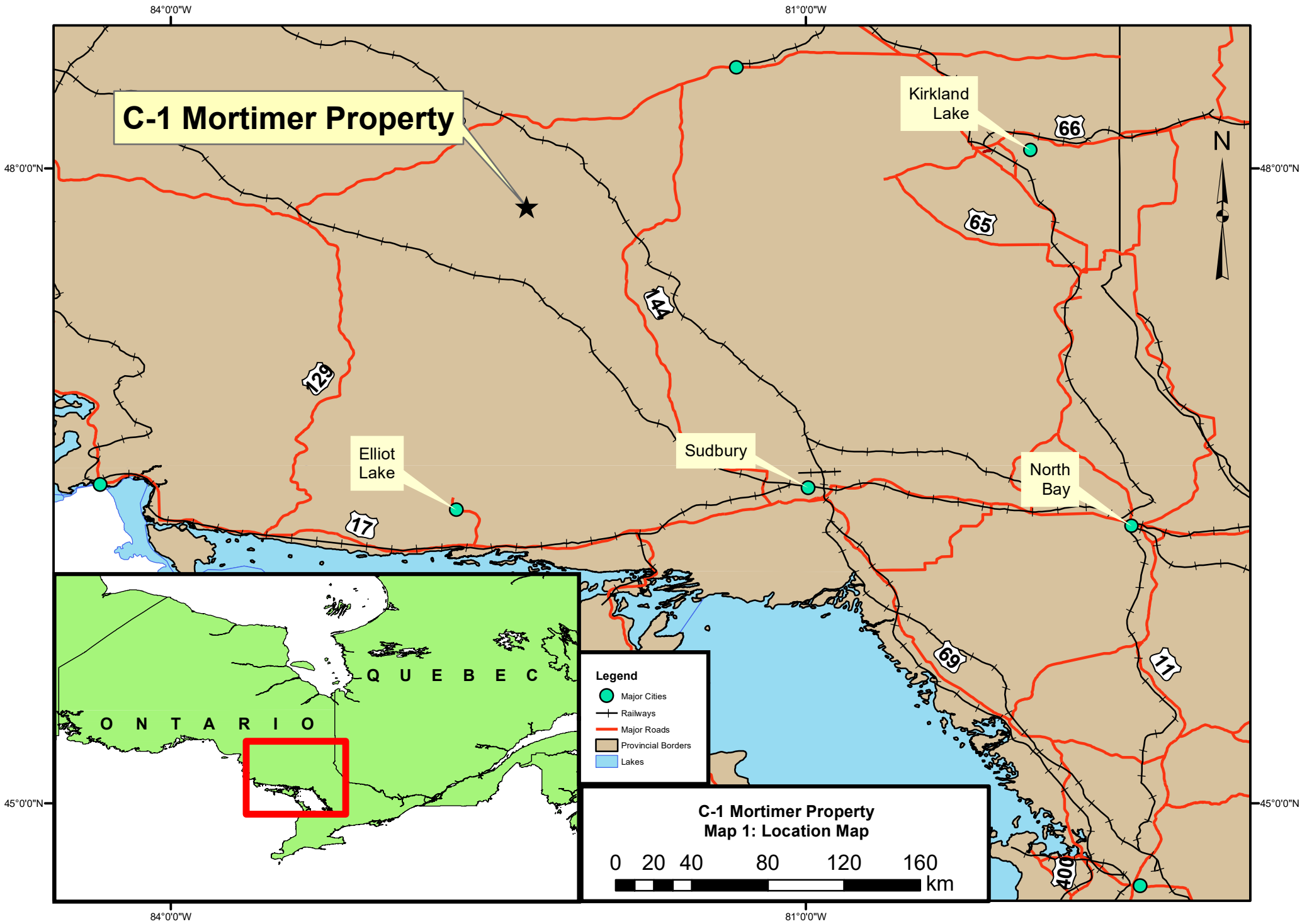
Emmanuel Esemé , Ph.D.  
Quality Control

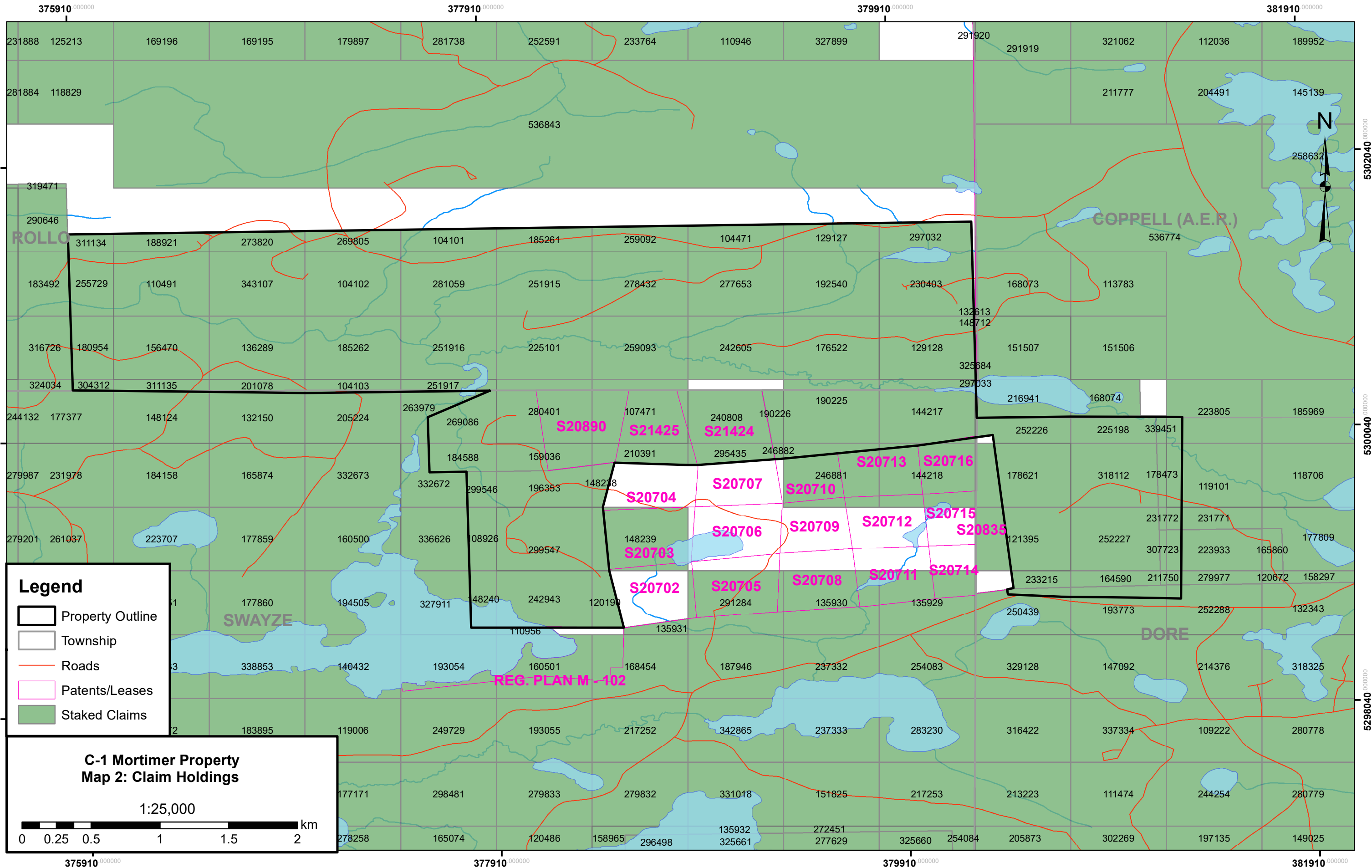
**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Co3O4	CuO	NiO	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Cr2O3	V2O5	LOI	Total
Unit Symbol	g/mt	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Lower Limit	0.005	0.005	0.005	0.003	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.003		0.01
Method Code	FA-AA	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF
544501	0.068																	
544502	0.085																	
544503	0.014																	
544504	0.007																	
544505	0.006																	
544506	< 0.005																	
544507	< 0.005																	
544508	0.491																	
544509	0.283																	
544510	0.225																	
544511	< 0.005																	
544512	< 0.005																	
544513	< 0.005																	
544514	< 0.005																	
544515	< 0.005																	
544516	< 0.005																	
544517	< 0.005																	
544518	1.415																	
544519		< 0.005	0.006	< 0.003	61.63	10.09	2.25	0.039	3.54	8.85	2.63	1.90	0.37	0.12	0.01	0.008	8.44	99.88

Analyte Symbol	Au	Co3O4	CuO	NiO	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Cr2O3	V2O5
Unit Symbol	g/mt	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Lower Limit	0.005	0.005	0.005	0.003	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.003
Method Code	FA-AA	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF
FK-N Meas					65.37	18.78	0.08	0.007		0.13	2.58	12.94	0.01	0.01		
FK-N Cert					65.0	18.6	0.0900	0.00500		0.110	2.58	12.8	0.0200	0.0240		
FK-N Meas					65.70	18.87	0.08	0.002		0.13	2.58	12.99	0.01	0.01		
FK-N Cert					65.0	18.6	0.0900	0.00500		0.110	2.58	12.8	0.0200	0.0240		
BE-N Meas		0.008	0.010	0.032	38.41	10.05	13.06	0.200	13.08	14.11	3.22	1.38	2.69	1.05	0.05	0.047
BE-N Cert		0.008	0.009	0.034	38.2	10.1	12.8	0.200	13.1	13.9	3.18	1.39	2.61	1.05	0.0500	0.042
BE-N Meas		0.008	0.010	0.032	38.22	10.00	13.06	0.195	13.08	14.11	3.22	1.38	2.69	1.05	0.05	0.047
BE-N Cert		0.008	0.009	0.034	38.2	10.1	12.8	0.200	13.1	13.9	3.18	1.39	2.61	1.05	0.0500	0.042
AC-E Meas					70.82	14.90	2.56	0.060	0.01	0.34	6.66	4.56	0.11			
AC-E Cert					70.35	14.70	2.56	0.058	0.03	0.34	6.54	4.49	0.11			
AC-E Meas					71.17	14.97	2.56	0.057	0.01	0.34	6.66	4.56	0.11			
AC-E Cert					70.35	14.70	2.56	0.058	0.03	0.34	6.54	4.49	0.11			
BIR-1a Meas					47.73	15.52	11.58	0.170	9.70	13.39	1.76	0.02	0.98	0.02		
BIR-1a Cert					47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021		
NCS DC73304 (GBW 07106) Meas					90.62	3.57	3.22		0.05	0.27	0.09	0.65		0.23		
NCS DC73304 (GBW 07106) Cert					90.36	3.52	3.22		0.082	0.30	0.061	0.65		0.222		
OREAS 214 Meas	3.047															
OREAS 214 Cert	3.03															
OREAS 214 Meas	3.065															
OREAS 214 Cert	3.03															
OREAS 214 Meas	2.898															
OREAS 214 Cert	3.03															
OREAS 214 Meas	3.062															
OREAS 214 Cert	3.03															
OREAS 218 Meas	0.527															
OREAS 218 Cert	0.531															
OREAS 218 Meas	0.538															
OREAS 218 Cert	0.531															
OREAS 218 Meas	0.544															
OREAS 218 Cert	0.531															
OREAS 218 Meas	0.538															
OREAS 218 Cert	0.531															
OREAS 218 Meas	0.543															
OREAS 218 Cert	0.531															
544504 Orig	0.007															
544504 Dup	0.007															
544515 Orig	< 0.005															
544515 Dup	< 0.005															

Analyte Symbol	Au	Co3O4	CuO	NiO	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Cr2O3	V2O5
Unit Symbol	g/mt	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Lower Limit	0.005	0.005	0.005	0.003	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.003
Method Code	FA-AA	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank	< 0.005															
Method Blank		< 0.005	< 0.005	< 0.003	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.003
Method Blank		< 0.005	< 0.005	< 0.003	< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.003





**Legend**

- Property Outline
- Township
- Roads
- Patents/Leases
- Staked Claims

**C-1 Mortimer Property  
Map 2: Claim Holdings**

1:25,000

0 0.25 0.5 1 1.5 2 km

375910 000000 377910 000000 379910 000000 381910 000000

5302040 5300040 5298040

231888 125213 169196 169195 179897 281738 252591 233764 110946 327899 291920 291919 321062 112036 189952

281884 118829 536843 204491 145139 258632

319471 311134 188921 273820 269805 104101 185261 259092 104471 129127 297032 536774

290646 183492 255729 110491 343107 104102 281059 251915 278432 277653 192540 230403 168073 113783

316726 180954 156470 136289 185262 251916 225101 259093 242605 176522 129128 151507 151506

324034 304312 311135 201078 104103 251917 225101 259093 242605 176522 129128 151507 151506

244132 177377 148124 132150 205224 263979 269086 280401 107471 240808 190226 144217 216941 168074 223805 185969

279987 231978 184158 165874 332673 269086 184588 159036 210391 295435 246882 190226 144217 252226 225198 339451

279201 261037 223707 177859 160500 332672 299546 196353 148238 210391 295435 246882 190226 144217 178621 318112 178473 119101 118706

177860 194505 327911 48240 242943 120190 148239 148239 S20706 S20709 S20712 S20715 S20835 121395 252227 307723 223933 165860 177809

177860 194505 327911 48240 242943 120190 148239 148239 S20706 S20709 S20712 S20715 S20835 121395 252227 307723 223933 165860 177809

338853 140432 193054 160501 168454 187946 237332 254083 329128 147092 214376 318325

177860 194505 327911 48240 242943 120190 148239 148239 S20706 S20709 S20712 S20715 S20835 121395 252227 307723 223933 165860 177809

183895 119006 249729 193055 217252 342865 237333 283230 316422 337334 109222 280778

177171 298481 279833 279832 331018 151825 217253 213223 111474 244254 280779

278258 165074 120486 158965 296498 135932 325661 272451 277629 325660 254084 205873 302269 197135 149025

375910 000000 377910 000000 379910 000000 381910 000000

5302040 5300040 5298040

ROLLO SWAYZE COPPELL (A.E.R.) DORE

S20890 S21425 S21424 S20704 S20707 S20710 S20713 S20716 S20706 S20709 S20712 S20715 S20835 S20703 S20705 S20708 S20711 S20714

REG. PLAN M-102

