



2016 SURFACE DRILLING

WEST LIMB PROJECT

May, 2015

S.V. Gallagher

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SUMMARY

In the winter of 2016 (January to March), a diamond drilling program was conducted to explore the up-plunge extension of known mineralization associated with the West Limb of the Northern Iron Formation (NIF). Drilling was conducted near the southern shore of Opapimiskan Lake, ~300m south of the northern-most vent raise on the Musselwhite Mine property, which is owned and operated by Goldcorp Canada Ltd. The work completed comprises 3 separate mining leases. Drilling revealed similar geology and gold mineralization to what had been previously discovered down plunge of the target area.

INTRODUCTION

This report is written on behalf of Goldcorp Canada Ltd. by the staff of Musselwhite Mine. The report discusses work conducted within the boundaries of mining leases PA369766, PA369767, and PA369772.

The program was designed and implemented by the exploration department at Musselwhite Mine. Drilling was performed by Boart Longyear. The core from this program is stored in the core racks adjacent to the exploration camp on the Musselwhite Mine property.

LOCATION AND ACCESS

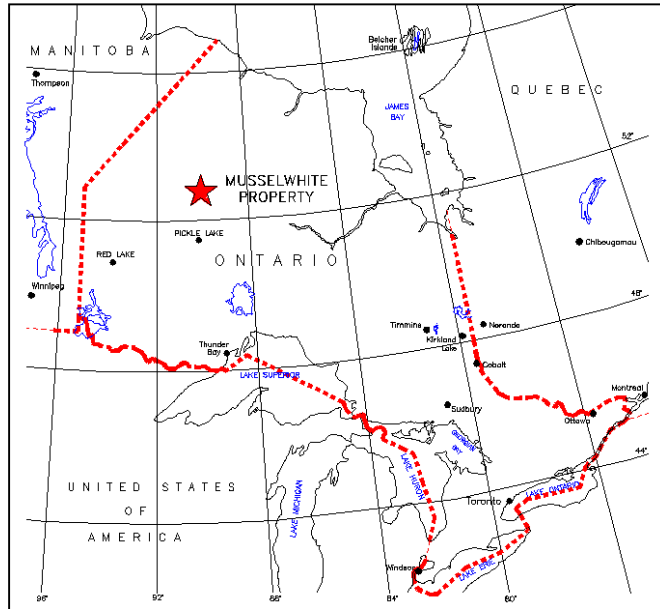
All work in this report was conducted within the boundaries of the Musselwhite Mine property. Musselwhite Mine is a gold producing mine that is 100% owned and operated by Goldcorp Canada Ltd. The mine is located approximately 480 km north-north-west of Thunder Bay and 103 km north of Pickle Lake with geographic coordinates of 52° 36' 50" N latitude and 90° 21' 43" W longitude (**Figure 1**), on the south shore of Opapimiskan Lake with the deposit plunging beneath the lake.

Drilling performed during this program took place within the boundaries of the above stated mining leases, located in the Zeemal Lake Area within the Patricia Mining Division, District of

Kenora, Northwestern Ontario. The mining lease is located on NTS map sheet 53 B/9 (Opapimiskan Lake) and is approximately 2.2 km from the mine portal.

The West Limb drill program was land based with mine roads and temporary access roads being used for access.

Figure 1: General Location Map



LAND TENURE & OWNERSHIP

Mining lease PA369766 is ~13.3 ha (1 claim unit), PA369767 is ~14.75 ha (1 claim unit), and PA369772 is ~16 ha (1 claim unit) in size. All 3 claim blocks are owned by Goldcorp Canada Ltd. The tenure rights for this lease are mining and surface rights.

PROPERTY GEOLOGY

The above mentioned mining leases are located within the south-central portion of the North Caribou Greenstone Belt.

The geology identified by this drill program consisted of a sequence of metasedimentary rocks, basalt and biotite-garnet schist. There were also minor felsic to intermediate volcanic rocks, ultramafic rocks and silicate and oxide facies iron formations. Rocks have been metamorphosed to amphibolite grade. A cross section of the drilling can be seen in **Appendix 1** and drill logs in **Appendix 4**.

The various lithology codes used during logging are briefly described below:

1	Ultramafic
2	Basalt
2H	Mafic tuff, lapilli tuff
2T	Biotite bearing metavolcanic
2U	Garnet bearing metavolcanic
3C	Intermediate tuff, lapilli tuff
3F	Felsic tuff/lapilli tuff
4E	Garnet-amphibole iron formation
4EA	Garnet-amphibole-grunerite iron formation
4EF	Garnet-amphibole with less than 50% intercalated garnet-biotite schist
4F	Garnet-biotite schist
4FB	Garnet-biotite schist with abundant magnetite +/- chert
4FE	Garnet-biotite schist with less than 50% intercalated Garnet-amphibole
6	Metasediment
6W	Garnet-bearing mustone/siltstone/sandstone
6B	Matrix-supported conglomerate
8A	Diorite

PROGRAM DESCRIPTION

A series of drill holes were planned to intercept the West Limb of the highly folded “Northern Iron Formation” (NIF) in an attempt to define the up-plunge extension of known mineralization. The NIF units primarily host the ore at Musselwhite Mine.

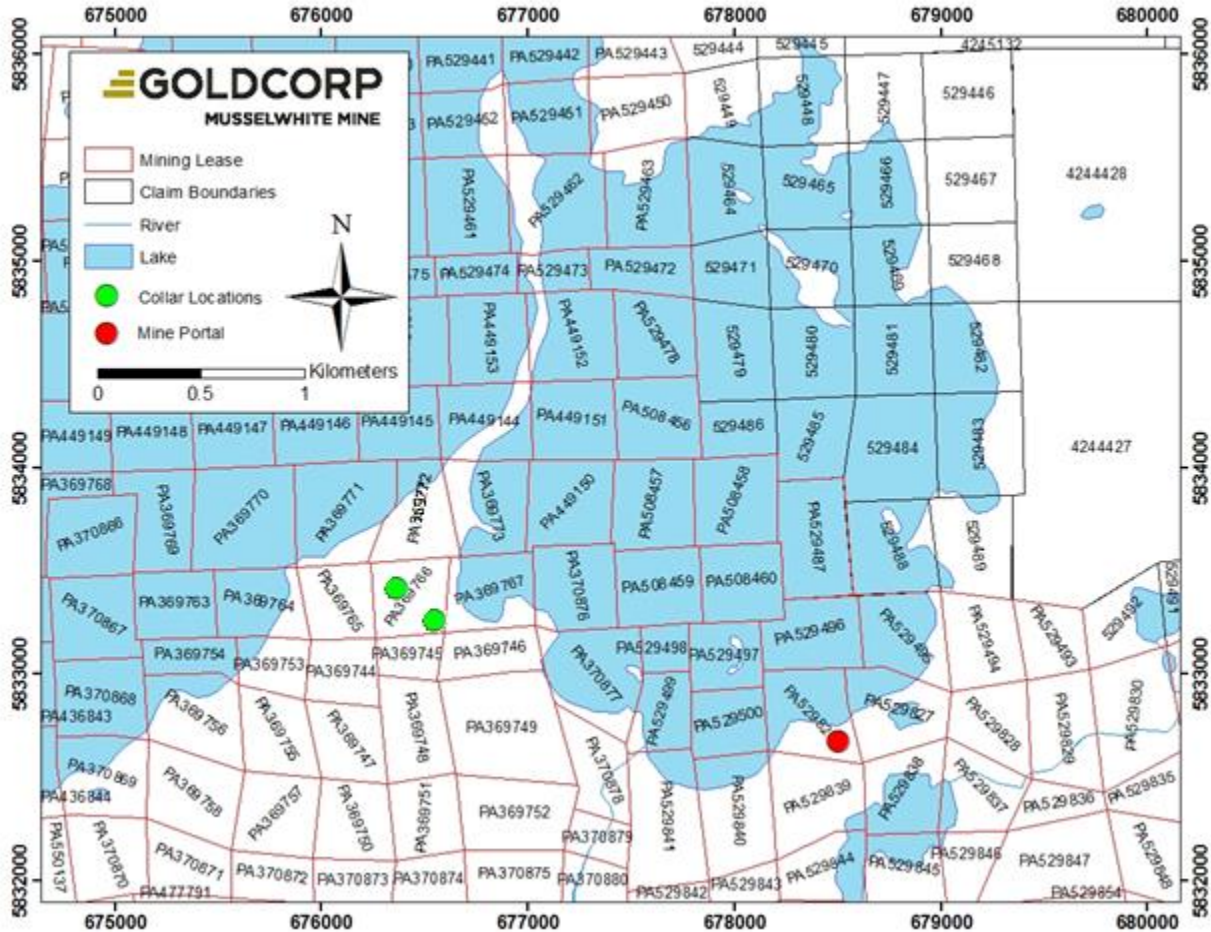
During drilling, 10 drill holes were collared with 2 holes (16-WEL-014 & 16-WEL-016) that began to deviate and were cancelled at a depth of ~56m and ~12m respectively. As a result, 8 drill holes were planned and drilled to depths ranging between 369m and 513m. Drill hole information is shown below in **Table 1** and drill locations are shown in **Figure 2**.

Table 1: West Limb drill hole information.

Hole ID	UTM EASTING (NAD 83)	UTM NORTHING (NAD 83)	AZIMUTH	DIP	DEPTH
16-WEL-013	676400.9	5833391.6	090°	-50°	417m
16-WEL-014*	676365.4	5833355.3	090°	-65°	56m
16-WEL-015	676364.0	5833356.7	090°	-53.5°	513m
16-WEL-016*	676390.5	5833379.7	090°	-53°	12m
16-WEL-017	676390.3	5833381.7	090°	-53°	456m
16-WEL-018	676322.8	5833316.0	090°	-53.5°	512m
16-WEL-024	676498.6	5833208.7	090°	-50°	501m
16-WEL-038	676558.5	5833263.5	090°	-50°	438m
16-WEL-039	676597.1	5833301.0	090°	-50°	369m
16-WEL-040	676597.3	5833301.0	090°	-45°	354

* indicates a cancelled hole due to deviation

Figure 2: Map showing location of drill holes.



RESULTS/RECOMMENDATIONS

All holes intersected geology similar to what has been seen in previous West Limb exploration drilling. Assays results (**Appendix 2**) from the target area appear to represent the up-plunge extension of known West Limb mineralization. A summary of intervals containing significant gold mineralization is shown in **Table 2**.

Table 2: Significant intervals of Au mineralization.

Hole	From	To	Drilled Width	Au
16-WEL-013	211m	212m	1m	21.3g/t
16-WEL-015	186m	189m	3m	10.95g/t
16-WEL-017	352.5m	354m	1.5m	11.43g/t
16-WEL-018	454.4m	458.8m	4.4m	4.1g/t
16-WEL-024	16m	24.3m	8.3m	2.62g/t
16-WEL-024	401.5	402.2	0.7	61.1g/t
16-WEL-038	278.7	286	6.9	2.15g/t
16-WEL-039	192m	197.7m	5.7m	9.57g/t
16-WEL-040	63.6m	65.3m	1.7m	9.66g/t

These results indicate that an up-plunge extension of the West Limb is present. A follow-up exploration program will be evaluated to better delineate the targeted structures of the West Limb area.

STATEMENT OF EXPENDITURES

A total of \$623,536.95 was spent during this program. **Table 3** provides basic details on the expenditures of the West Limb surface drilling program. A complete breakdown of expenditures can be seen in **Appendix 3** and invoices in **Appendix 5**.

Table 3: Breakdown of expenditures.

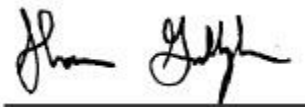
Hole ID	Labour	Drilling	Other	Total
16-WEL-013	\$10,640	\$61,808.35	\$8907.4	\$81,335.75
16-WEL-014	\$654	\$10,161.75	\$8907.4	\$19,723.15
16-WEL-015	\$13,478	\$56,736.62	\$8907.4	\$79,122.02
16-WEL-016	\$217	\$9,280.07	\$8907.4	\$18,404.47
16-WEL-017	\$11,744	\$45,721.01	\$8907.4	\$66,372.41
16-WEL-018	\$13,852	\$69,555.78	\$8907.4	\$92,315.18
16-WEL-024	\$13,246	\$53,734.58	\$8907.4	\$75,887.98
16-WEL-038	\$11,270	\$46,666.20	\$8907.4	\$66,843.60
16-WEL-039	\$9,610	\$36,335.63	\$8907.4	\$54,853.03
16-WEL-040	\$7,798	\$51,953.96	\$8907.4	\$68,659.36
			Grand Total	\$623,536.95

STATEMENT OF QUALIFICATIONS

I, Shaun Gallagher, hereby certify that:

1. I am the author of this report.
2. I have a Bachelor of Science Honors in Geological Sciences from the University of Manitoba in Winnipeg, Manitoba.
3. I have a Master of Science in Geological Sciences from The University of Manitoba in Winnipeg, Manitoba.
4. I am a registered Professional Geologist of the Association of Professional Engineers and Geoscientists of Manitoba #32158.
5. I am employed by Goldcorp Canada Ltd. at Musselwhite Mine.
6. I agree with all the information contained within this report and believe that it is an accurate description of the work performed.
7. I reside in the town of Landmark, Manitoba, Canada.

Name:



Date: May 16th, 2015

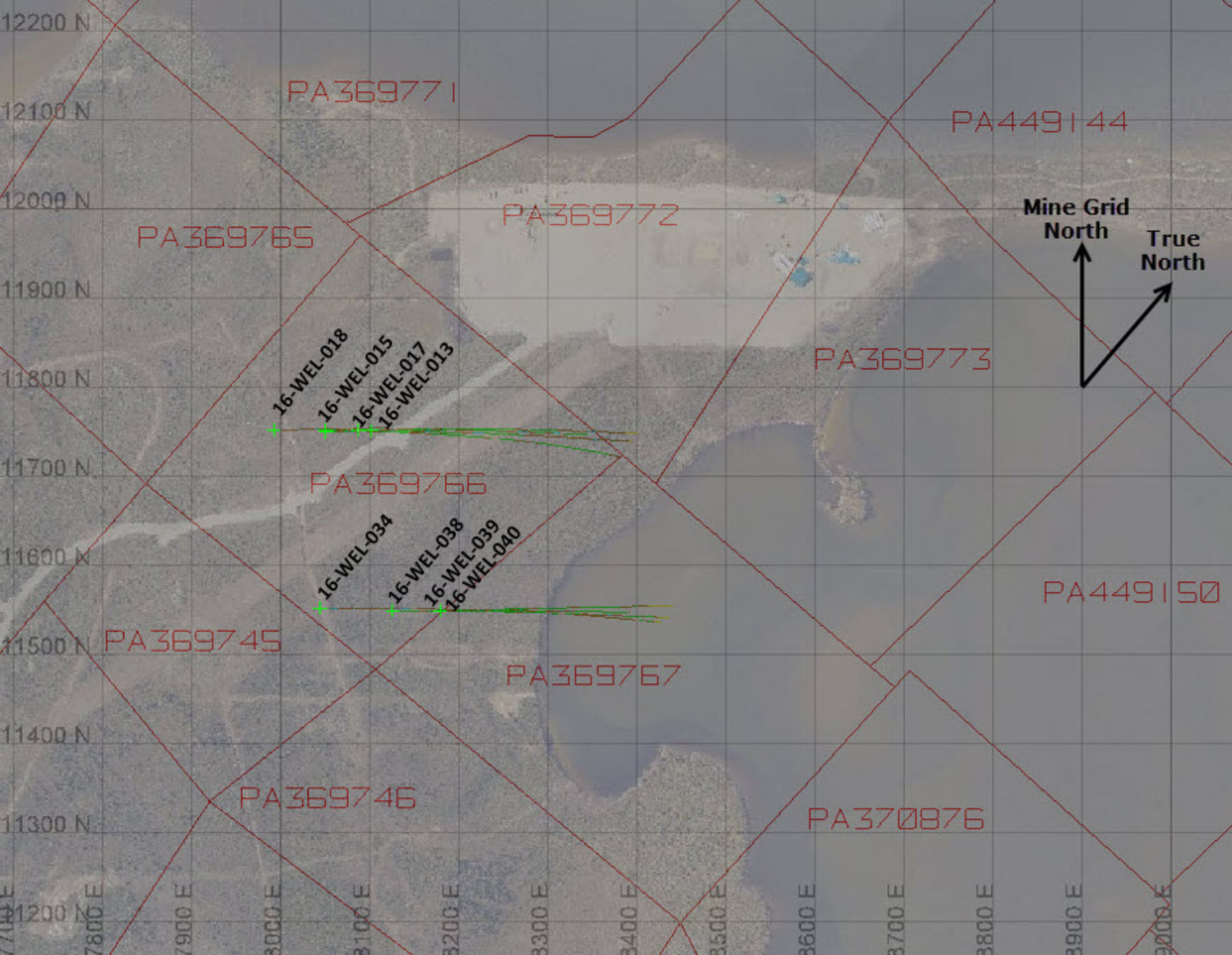
Goldcorp Canada Ltd.

Musselwhite Mine

PO Box 7500

Thunder Bay, ON

P7B 6S8



PA369771

PA449144

Mine Grid North
True North

PA369765

PA369772

PA369773

16-WEL-018
16-WEL-015
16-WEL-017
16-WEL-013

PA369766

16-WEL-034
16-WEL-038
16-WEL-039
16-WEL-040

PA449150

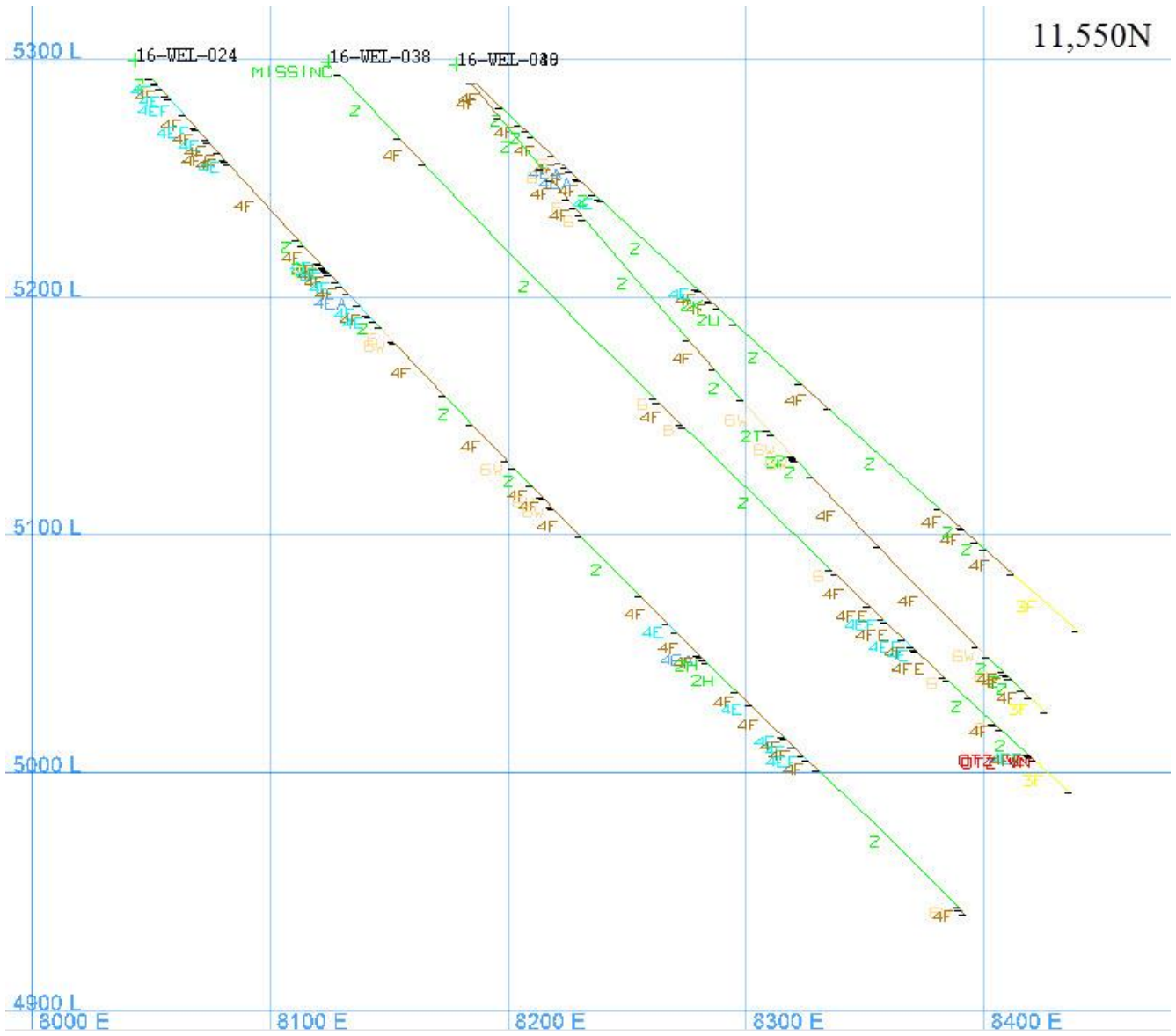
PA369745

PA369767

PA369746

PA370876

APPENDIX 1 – Cross Section of Drill Holes



Cross Section of 11,550N with drill holes 16-WEL-024, 038, 039, and 040 (left to right)



Date Submitted: 26-Jan-16
Invoice No.: A16-00606
Invoice Date: 01-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

443 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-00606**

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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735407	0.431	
E735408	2.78	
E735409	0.353	
E735410	3.10	
E735411	0.335	
E735412	0.369	
E735413	0.607	
E735414	0.115	
E735415	0.213	
E736227	0.028	
E736228	0.019	
E736229	0.017	
E736230	7.50	
E736231	0.012	
E736232	0.012	
E736233	0.043	
E736234	0.017	
E736235	0.015	
E736236	0.019	
E736237	0.014	
E736238	0.017	
E736239	0.018	
E736240	< 0.005	
E736241	0.026	
E736242	0.018	
E736243	0.016	
E736244	0.011	
E736245	0.011	
E736246	0.007	
E736247	0.009	
E736248	0.011	
E736249	0.012	
E736250	3.27	
E736251	0.009	
E736252	0.012	
E736253	0.010	
E736254	0.006	
E736255	0.031	
E736256	> 10.0	16.0
E736257	0.009	
E736258	0.005	
E736259	0.006	
E736260	< 0.005	
E736261	0.013	
E736262	0.005	
E736263	0.009	
E736264	< 0.005	
E736265	0.019	
E736266	0.061	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736267	0.009	
E736268	0.008	
E736269	0.013	
E736270	7.16	
E736271	0.008	
E736272	0.005	
E736273	< 0.005	
E736274	< 0.005	
E736275	< 0.005	
E736276	< 0.005	
E736277	0.006	
E736278	0.006	
E736279	< 0.005	
E736280	< 0.005	
E736281	0.006	
E736282	< 0.005	
E736283	< 0.005	
E736284	< 0.005	
E736285	< 0.005	
E736286	< 0.005	
E736287	< 0.005	
E736288	< 0.005	
E736289	0.016	
E736290	3.26	
E736291	0.054	
E736292	0.037	
E736293	< 0.005	
E736294	< 0.005	
E736295	< 0.005	
E736296	< 0.005	
E736297	< 0.005	
E736298	< 0.005	
E736299	0.024	
E736300	< 0.005	
E736301	< 0.005	
E736302	< 0.005	
E736303	0.008	
E736304	< 0.005	
E736305	< 0.005	
E736306	< 0.005	
E736307	< 0.005	
E736308	< 0.005	
E736309	< 0.005	
E736310	3.41	
E736311	< 0.005	
E736312	< 0.005	
E736313	0.008	
E736314	< 0.005	
E736315	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736316	0.010	
E736317	0.044	
E736318	0.181	
E736319	0.040	
E736320	< 0.005	
E736321	0.007	
E736322	< 0.005	
E736323	0.008	
E736324	0.007	
E736325	0.011	
E736326	0.180	
E736327	1.32	
E736328	1.24	
E736329	0.996	
E736330	7.59	
E736331	1.04	
E736332	0.046	
E736333	0.031	
E736334	0.036	
E736335	0.037	
E736336	0.107	
E736337	0.160	
E736338	0.026	
E736339	1.94	
E736340	< 0.005	
E736341	0.032	
E736342	0.031	
E736343	0.590	
E736344	3.82	
E736345	0.595	
E736346	0.016	
E736347	0.013	
E736348	0.096	
E736349	0.018	
E736350	3.17	
E731951	< 0.005	
E731952	0.007	
E731953	0.006	
E731954	0.006	
E731955	0.046	
E731956	< 0.005	
E731957	< 0.005	
E731958	< 0.005	
E731959	0.008	
E731960	< 0.005	
E731961	0.010	
E731962	0.007	
E731963	0.007	
E731964	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E731965	0.005	
E731966	0.008	
E731967	0.221	
E731968	0.158	
E731969	0.029	
E731970	6.77	
E731971	0.014	
E731972	2.56	
E731973	2.62	
E731974	0.013	
E731975	< 0.005	
E731976	0.015	
E731977	0.008	
E731978	0.006	
E731979	0.005	
E731980	< 0.005	
E731981	0.010	
E731982	0.005	
E731983	< 0.005	
E731984	< 0.005	
E731985	< 0.005	
E731986	0.005	
E731987	0.006	
E731988	< 0.005	
E731989	0.006	
E731990	3.10	
E731991	< 0.005	
E731992	< 0.005	
E731993	< 0.005	
E731994	< 0.005	
E731995	< 0.005	
E731996	0.008	
E731997	0.045	
E731998	0.006	
E731999	< 0.005	
E732000	< 0.005	
E732001	0.097	
E732002	0.017	
E732003	0.831	
E732004	0.011	
E732005	< 0.005	
E732006	< 0.005	
E732007	< 0.005	
E732008	< 0.005	
E732009	< 0.005	
E732010	3.39	
E732011	< 0.005	
E732012	< 0.005	
E732013	0.010	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732014	< 0.005	
E732015	< 0.005	
E732016	< 0.005	
E732017	0.012	
E732018	0.052	
E732019	< 0.005	
E732020	< 0.005	
E732021	0.204	
E732022	0.017	
E732023	0.011	
E732024	0.153	
E732025	0.089	
E732026	0.077	
E732027	0.173	
E732028	0.016	
E732029	0.009	
E732030	7.39	
E732031	0.016	
E732032	0.013	
E732033	0.016	
E732034	0.016	
E732035	0.011	
E732036	0.048	
E732037	0.229	
E732038	0.335	
E732039	0.850	
E732040	< 0.005	
E732041	0.213	
E732042	0.022	
E732043	0.069	
E732044	0.214	
E732045	0.106	
E732046	0.124	
E732047	0.557	
E732048	0.179	
E732049	0.027	
E732050	3.24	
E732051	0.030	
E732052	0.061	
E732053	0.115	
E732054	0.705	
E732055	0.289	
E732056	1.60	
E732057	0.456	
E732058	1.57	
E732059	0.349	
E732060	< 0.005	
E732061	0.100	
E732062	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732063	< 0.005	
E732064	< 0.005	
E732065	0.005	
E732066	< 0.005	
E732067	< 0.005	
E732068	0.009	
E736351	0.005	
E736352	0.008	
E736353	0.022	
E736354	0.136	
E736355	0.820	
E736356	0.023	
E736357	0.020	
E736358	0.198	
E736359	0.931	
E736360	< 0.005	
E736361	0.407	
E736362	0.186	
E736363	0.041	
E736364	0.022	
E736365	0.059	
E736366	0.023	
E736367	0.023	
E736368	0.008	
E736369	0.015	
E736370	7.75	
E736371	0.011	
E736372	0.016	
E736373	0.009	
E736374	0.013	
E736375	0.008	
E736376	0.006	
E736377	0.013	
E736378	0.035	
E736379	0.020	
E736380	< 0.005	
E736381	0.029	
E736382	0.026	
E736383	0.030	
E736384	0.022	
E736385	0.027	
E736386	0.031	
E736387	0.009	
E736388	0.008	
E736389	0.006	
E736390	3.45	
E736391	0.006	
E736392	0.005	
E736393	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736394	< 0.005	
E736395	< 0.005	
E736396	< 0.005	
E736397	< 0.005	
E736398	< 0.005	
E736399	< 0.005	
E736400	< 0.005	
E736401	< 0.005	
E736402	0.005	
E732069	< 0.005	
E732070	7.39	
E732071	< 0.005	
E732072	< 0.005	
E732073	< 0.005	
E732074	0.007	
E732075	< 0.005	
E732076	< 0.005	
E732077	< 0.005	
E732078	0.008	
E732079	0.158	
E732080	< 0.005	
E732081	2.61	
E732082	> 10.0	15.4
E732083	0.421	
E732084	0.014	
E732085	0.020	
E732086	0.073	
E732087	0.017	
E732088	0.464	
E732089	0.020	
E732090	3.21	
E732091	0.014	
E732092	0.007	
E732093	0.021	
E732094	0.015	
E732095	0.027	
E732096	0.291	
E732097	0.040	
E732098	0.036	
E732099	0.012	
E732100	< 0.005	
E732101	0.026	
E732102	0.026	
E732103	0.186	
E732104	3.31	
E732105	0.143	
E732106	0.014	
E732107	5.89	
E732108	0.215	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732109	0.020	
E732110	3.20	
E732111	0.013	
E732112	0.012	
E732113	0.009	
E732114	0.381	
E732115	0.034	
E732116	0.026	
E732117	0.009	
E732118	0.012	
E732119	0.041	
E732120	< 0.005	
E732121	0.071	
E732122	2.86	
E732123	5.00	
E732124	0.016	
E732125	0.023	
E732126	0.010	
E732127	0.007	
E732128	0.048	
E732129	1.30	
E732130	7.46	
E732131	0.187	
E732132	2.22	
E732133	2.21	
E732134	0.110	
E732135	0.007	
E732136	0.011	
E732137	2.29	
E732138	5.09	
E732139	0.380	
E732140	< 0.005	
E732141	0.027	
E732142	0.053	
E732143	0.046	
E732144	0.050	
E732145	0.007	
E732146	0.026	
E732147	0.119	
E732148	0.052	
E732149	0.126	
E732150	3.38	
E732151	0.005	
E732152	0.011	
E732153	< 0.005	
E732154	0.018	
E732155	0.009	
E732156	0.029	
E732157	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732158	< 0.005	
E732159	< 0.005	
E732160	< 0.005	
E736403	< 0.005	
E736404	< 0.005	
E736405	< 0.005	
E736406	0.005	
E736407	0.005	
E736408	0.017	
E736409	0.022	
E736410	3.45	
E736411	0.009	
E736412	0.019	
E736413	0.081	
E736414	0.639	
E736415	0.014	
E736416	1.75	
E736417	1.30	
E736418	0.005	
E736419	0.007	
E736420	< 0.005	
E736421	< 0.005	
E736422	0.005	
E736423	0.008	
E736424	0.015	
E736425	< 0.005	
E736426	0.005	
E736427	< 0.005	
E736428	0.007	
E736429	0.011	
E736430	7.63	
E736431	< 0.005	
E736432	0.005	
E736433	0.068	
E736434	0.089	
E736435	0.012	
E736436	0.034	
E736437	0.913	
E736438	< 0.005	
E736439	0.045	
E736440	< 0.005	
E736441	0.034	
E736442	0.012	
E736443	0.011	
E736444	0.018	
E736445	0.011	
E736446	0.008	
E736447	0.015	
E736448	0.111	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736449	0.028	
E736450	3.25	
OXK94 Meas		3.71
OXK94 Cert		3.56
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxD108 Meas	0.429	
OxD108 Cert	0.414	
OxD108 Meas	0.418	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.421	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.408	
OxD108 Cert	0.414	
OxD108 Meas	0.403	
OxD108 Cert	0.414	
OxD108 Meas	0.430	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.431	
OxD108 Cert	0.414	
OxD108 Meas	0.429	
OxD108 Cert	0.414	
OxD108 Meas	0.432	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
SF67 Meas	0.810	
SF67 Cert	0.835	
SF67 Meas	0.798	
SF67 Cert	0.835	
SF67 Meas	0.868	
SF67 Cert	0.835	
SF67 Meas	0.873	
SF67 Cert	0.835	
SF67 Meas	0.832	
SF67 Cert	0.835	
SF67 Meas	0.864	
SF67 Cert	0.835	
SF67 Meas	0.836	
SF67 Cert	0.835	
SF67 Meas	0.829	
SF67 Cert	0.835	
SF67 Meas	0.869	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
SF67 Cert	0.835	
SF67 Meas	0.875	
SF67 Cert	0.835	
SF67 Meas	0.846	
SF67 Cert	0.835	
E736227 Orig	0.028	
E736227 Dup	0.025	
E736237 Orig	0.014	
E736237 Dup	0.015	
E736247 Orig	0.009	
E736247 Dup	0.007	
E736256 Orig		16.0
E736262 Orig	0.005	
E736262 Dup	< 0.005	
E736267 Orig	0.009	
E736267 Split	0.011	
E736272 Orig	0.005	
E736272 Dup	0.005	
E736282 Orig	< 0.005	
E736282 Dup	< 0.005	
E736296 Orig	< 0.005	
E736296 Dup	< 0.005	
E736306 Orig	< 0.005	
E736306 Dup	< 0.005	
E736316 Orig	0.010	
E736316 Dup	0.009	
E736317 Orig	0.044	
E736317 Split	0.037	
E736329 Orig	0.996	
E736329 Dup	0.853	
E736341 Orig	0.032	
E736341 Dup	0.025	
E731951 Orig	< 0.005	
E731951 Dup	< 0.005	
E731965 Orig	0.005	
E731965 Dup	< 0.005	
E731967 Orig	0.221	
E731967 Split	0.275	
E731975 Orig	< 0.005	
E731975 Dup	0.011	
E731985 Orig	< 0.005	
E731985 Dup	0.005	
E731999 Orig	< 0.005	
E731999 Dup	0.005	
E732009 Orig	< 0.005	
E732009 Dup	< 0.005	
E732017 Orig	0.012	
E732017 Split	0.015	
E732019 Orig	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732019 Dup	< 0.005	
E732033 Orig	0.016	
E732033 Dup	0.016	
E732053 Orig	0.115	
E732053 Dup	0.096	
E732067 Orig	< 0.005	
E732067 Split	< 0.005	
E732068 Orig	0.009	
E732068 Dup	0.019	
E736371 Orig	0.011	
E736371 Dup	0.011	
E736384 Orig	0.022	
E736384 Dup	0.022	
E736394 Orig	< 0.005	
E736394 Dup	< 0.005	
E736399 Orig	< 0.005	
E736399 Split	< 0.005	
E732071 Orig	< 0.005	
E732071 Dup	< 0.005	
E732084 Orig	0.014	
E732084 Dup	0.013	
E732094 Orig	0.015	
E732094 Dup	0.015	
E732104 Orig	3.31	
E732115 Orig	0.033	
E732115 Split	0.039	
E732115 Orig	0.034	
E732115 Dup	0.032	
E732119 Orig	0.041	
E732119 Dup	0.049	
E732139 Orig	0.380	
E732139 Dup	0.290	
E732153 Orig	< 0.005	
E732153 Dup	0.007	
E736405 Orig	< 0.005	
E736405 Dup	< 0.005	
E736407 Orig	0.005	
E736407 Split	0.006	
E736415 Orig	0.014	
E736415 Dup	0.013	
E736429 Orig	0.011	
E736429 Dup	0.012	
E736439 Orig	0.045	
E736439 Dup	0.013	
E736449 Orig	0.028	
E736449 Dup	0.034	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
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	
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Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 29-Jan-16
Invoice No.: A16-00736
Invoice Date: 03-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

467 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-00736**

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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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control



	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E716507	0.023	
E716508	0.028	
E716509	0.027	
E716510	3.18	
E716511	0.019	
E716512	0.023	
E716513	0.021	
E716514	0.876	
E716515	0.025	
E716516	0.019	
E716517	0.019	
E716518	0.018	
E716519	0.020	
E716520	< 0.005	
E716521	0.513	
E716522	0.097	
E716523	0.021	
E716524	0.540	
E716525	0.021	
E716526	0.046	
E716527	0.386	
E716528	0.017	
E716529	0.014	
E716530	7.60	
E716531	0.022	
E716532	0.021	
E716533	0.015	
E716534	0.025	
E716535	0.030	
E716536	0.032	
E716537	0.035	
E716538	0.084	
E716539	0.028	
E716540	< 0.005	
E716541	0.017	
E716542	0.009	
E716543	0.020	
E716544	0.008	
E716545	0.011	
E716546	0.009	
E716547	0.009	
E716548	0.009	
E716549	0.013	
E716550	3.23	
E736451	0.109	
E736452	0.045	
E736453	0.009	
E736454	0.006	
E736455	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736456	< 0.005	
E736457	0.005	
E736458	> 10.0	21.3
E736459	0.074	
E736460	< 0.005	
E736461	0.592	
E736462	0.065	
E736463	0.012	
E736464	0.014	
E736465	0.013	
E736466	0.025	
E736467	0.038	
E736468	2.57	
E736469	0.021	
E736470	7.61	
E736471	0.079	
E736472	0.024	
E736473	0.562	
E736474	0.029	
E736475	0.025	
E736476	0.910	
E736477	0.153	
E736478	0.058	
E736479	0.021	
E736480	< 0.005	
E736481	0.008	
E736482	0.007	
E716619	0.140	
E716620	< 0.005	
E716621	0.031	
E716622	0.021	
E716623	0.025	
E716624	0.066	
E716625	0.028	
E704401	0.202	
E704402	4.28	
E704403	0.456	
E704404	0.033	
E704405	0.039	
E704406	0.059	
E704407	0.100	
E704408	0.191	
E704409	0.064	
E704410	3.25	
E704411	0.066	
E704412	0.032	
E704413	0.044	
E704414	0.030	
E704415	0.011	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704416	0.030	
E704417	0.018	
E704418	0.047	
E704419	0.020	
E704420	< 0.005	
E704421	0.013	
E704422	2.95	
E704423	0.056	
E704424	0.344	
E704425	0.043	
E704426	2.25	
E704427	0.011	
E704428	0.100	
E704429	0.255	
E704430	7.58	
E704431	0.008	
E704432	0.008	
E704433	0.019	
E704434	0.012	
E704435	0.234	
E704436	0.029	
E704437	0.011	
E704438	0.047	
E704439	0.021	
E704440	< 0.005	
E704441	0.084	
E704442	0.107	
E704443	0.029	
E704444	0.060	
E704445	0.030	
E704446	0.187	
E704447	0.056	
E704448	2.22	
E736483	0.014	
E736484	0.009	
E736485	0.009	
E736486	0.007	
E736487	0.023	
E736488	0.014	
E736489	0.010	
E736490	3.19	
E736491	0.005	
E736492	< 0.005	
E736493	0.006	
E736494	0.005	
E736495	< 0.005	
E736496	0.007	
E736497	< 0.005	
E736498	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736499	3.79	
E736500	0.008	
E736501	0.415	
E736502	0.013	
E736503	0.013	
E736504	0.330	
E736505	0.013	
E736506	0.013	
E736507	0.008	
E736508	0.008	
E736509	0.007	
E736510	3.20	
E736511	0.007	
E736512	0.098	
E736513	0.031	
E736514	0.090	
E736515	0.009	
E736516	0.009	
E736517	0.011	
E736518	0.008	
E736519	0.007	
E736520	< 0.005	
E736521	0.005	
E736522	0.014	
E736523	0.033	
E736524	0.011	
E736525	0.009	
E736526	0.011	
E736527	0.010	
E736528	0.008	
E736529	0.006	
E736530	7.16	
E736531	0.006	
E736532	0.005	
E736533	0.009	
E736534	< 0.005	
E736535	< 0.005	
E736536	< 0.005	
E736537	< 0.005	
E736538	0.006	
E736539	0.009	
E736540	< 0.005	
E736541	0.009	
E736542	0.006	
E736543	0.007	
E736544	0.016	
E736545	0.052	
E736546	0.010	
E736547	0.011	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736548	0.036	
E736549	0.010	
E736550	3.19	
E736551	0.006	
E736552	0.154	
E736553	0.339	
E736554	0.006	
E736555	< 0.005	
E736556	< 0.005	
E736557	< 0.005	
E736558	< 0.005	
E736559	< 0.005	
E736560	< 0.005	
E736561	< 0.005	
E736562	< 0.005	
E736563	< 0.005	
E736564	< 0.005	
E736565	< 0.005	
E736566	< 0.005	
E736567	< 0.005	
E736568	< 0.005	
E736569	< 0.005	
E736570	7.77	
E736571	< 0.005	
E736572	0.006	
E736573	0.007	
E736574	< 0.005	
E736575	< 0.005	
E736576	0.017	
E736577	< 0.005	
E736578	< 0.005	
E736579	< 0.005	
E736580	< 0.005	
E736581	< 0.005	
E736582	0.006	
E736583	0.009	
E736584	0.009	
E736585	0.007	
E736586	0.005	
E736587	0.005	
E736588	< 0.005	
E736589	0.006	
E736590	3.28	
E736591	0.010	
E736592	< 0.005	
E736593	0.006	
E736594	0.015	
E736595	0.012	
E736596	0.010	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736597	0.010	
E736598	0.012	
E736599	0.014	
E736600	< 0.005	
E736601	0.089	
E736602	0.006	
E736603	0.008	
E736604	0.010	
E736605	0.036	
E736606	0.019	
E736607	0.020	
E736608	0.010	
E736609	0.010	
E736610	3.28	
E704449	0.730	
E704450	3.28	
E704451	0.284	
E704452	0.074	
E704453	< 0.005	
E704454	< 0.005	
E704455	0.009	
E704456	0.010	
E704457	0.036	
E704458	0.120	
E704459	0.077	
E704460	< 0.005	
E704461	0.354	
E704462	0.032	
E704463	0.080	
E704464	0.072	
E704465	0.074	
E704466	0.276	
E704467	0.006	
E704468	0.100	
E704469	1.72	
E704470	6.87	
E704471	1.88	
E704472	1.15	
E704473	0.866	
E704474	1.39	
E704475	0.650	
E704476	0.079	
E704477	0.020	
E704478	0.486	
E704479	0.366	
E704480	< 0.005	
E704481	1.29	
E704482	0.143	
E704483	0.061	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704484	0.340	
E704485	2.34	
E704486	0.017	
E704487	7.29	
E704488	2.16	
E704489	4.35	
E704490	3.12	
E704491	1.47	
E704492	0.815	
E704493	2.80	
E704494	0.038	
E704495	0.248	
E704496	> 10.0	13.5
E704497	5.35	
E704498	2.58	
E704499	3.87	
E704500	0.009	
E704501	> 10.0	11.8
E704502	1.63	
E704503	0.775	
E704504	0.083	
E704505	0.019	
E704506	0.037	
E704507	1.10	
E704508	0.699	
E704509	0.079	
E704510	3.31	
E704511	0.010	
E704512	0.503	
E704513	> 10.0	17.6
E704514	2.37	
E704515	0.910	
E704516	0.311	
E704517	0.116	
E704518	0.035	
E704519	0.055	
E704520	< 0.005	
E704521	0.266	
E704522	0.009	
E704523	0.014	
E704524	0.018	
E704525	1.80	
E704526	0.101	
E704527	0.150	
E704528	0.048	
E704529	0.057	
E704530	7.70	
E704531	0.036	
E704532	0.061	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704533	0.417	
E704534	0.192	
E704535	0.106	
E704536	0.153	
E704537	0.051	
E704538	1.16	
E704539	0.938	
E704540	< 0.005	
E704541	0.183	
E704542	0.023	
E704543	0.066	
E704544	< 0.005	
E704545	0.023	
E704546	0.027	
E704547	0.068	
E704548	0.012	
E704549	< 0.005	
E704550	3.39	
E704551	0.131	
E704552	0.028	
E704553	< 0.005	
E704554	0.021	
E704555	< 0.005	
E704556	< 0.005	
E704557	0.020	
E704558	< 0.005	
E704559	0.011	
E704560	< 0.005	
E704561	0.018	
E704562	0.064	
E704563	0.013	
E704564	0.015	
E704565	0.013	
E704566	0.033	
E704567	0.467	
E704568	0.018	
E704569	0.038	
E704570	7.53	
E704571	0.133	
E704572	> 10.0	29.1
E704573	0.746	
E704574	3.40	
E704575	0.016	
E704576	0.007	
E704577	< 0.005	
E704578	0.006	
E704579	< 0.005	
E704580	< 0.005	
E704581	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704582	< 0.005	
E704583	0.010	
E704584	0.017	
E704585	0.338	
E704586	0.033	
E704587	1.49	
E704588	0.142	
E704589	0.009	
E704590	3.30	
E704591	0.012	
E704592	0.007	
E736611	0.026	
E736612	0.009	
E736613	0.012	
E736614	0.011	
E736615	0.379	
E736616	0.573	
E736617	0.021	
E736618	0.009	
E736619	0.007	
E736620	< 0.005	
E736621	0.007	
E736622	0.014	
E736623	0.010	
E736624	0.009	
E736625	0.018	
E736626	0.010	
E736627	0.013	
E736628	0.006	
E736629	0.006	
E736630	7.69	
E736631	0.011	
E736632	0.011	
E736633	0.224	
E736634	0.009	
E736635	< 0.005	
E736636	< 0.005	
E736637	0.013	
E736638	< 0.005	
E736639	0.005	
E736640	< 0.005	
E736641	0.012	
E736642	< 0.005	
E736643	0.010	
E736644	0.008	
E736645	0.008	
E736646	0.006	
E736647	0.024	
E736648	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736649	0.009	
E736650	3.20	
E736651	0.014	
E736652	0.016	
E736653	0.017	
E736654	0.013	
E736655	0.012	
E736656	0.009	
E736657	0.008	
E736658	0.080	
E736659	0.012	
E736660	< 0.005	
E736661	< 0.005	
E736662	< 0.005	
E736663	< 0.005	
E736664	< 0.005	
E736665	< 0.005	
E736666	0.006	
E736667	0.006	
E736668	0.005	
E736669	0.009	
E736670	7.73	
E736671	0.006	
E736672	< 0.005	
E736673	< 0.005	
E736674	< 0.005	
OxK94 Meas		3.56
OxK94 Cert		3.56
OxD108 Meas	0.422	
OxD108 Cert	0.414	
OxD108 Meas	0.436	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
OxD108 Meas	0.401	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.434	
OxD108 Cert	0.414	
OxD108 Meas	0.429	
OxD108 Cert	0.414	
OxD108 Meas	0.416	
OxD108 Cert	0.414	
OxD108 Meas	0.416	
OxD108 Cert	0.414	
OxD108 Meas	0.407	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxD108 Cert	0.414	
OxD108 Meas	0.414	
OxD108 Cert	0.414	
OxD108 Meas	0.419	
OxD108 Cert	0.414	
OxD108 Meas	0.413	
OxD108 Cert	0.414	
OxD108 Meas	0.405	
OxD108 Cert	0.414	
SF67 Meas	0.866	
SF67 Cert	0.835	
SF67 Meas	0.856	
SF67 Cert	0.835	
SF67 Meas	0.855	
SF67 Cert	0.835	
SF67 Meas	0.849	
SF67 Cert	0.835	
SF67 Meas	0.864	
SF67 Cert	0.835	
SF67 Meas	0.852	
SF67 Cert	0.835	
SF67 Meas	0.850	
SF67 Cert	0.835	
SF67 Meas	0.854	
SF67 Cert	0.835	
SF67 Meas	0.848	
SF67 Cert	0.835	
SF67 Meas	0.826	
SF67 Cert	0.835	
SF67 Meas	0.831	
SF67 Cert	0.835	
SF67 Meas	0.815	
SF67 Cert	0.835	
SF67 Meas	0.826	
SF67 Cert	0.835	
SF67 Meas	0.837	
SF67 Cert	0.835	
SF67 Meas	0.829	
SF67 Cert	0.835	
OxP91 Meas		15.0
OxP91 Cert		14.82
E716516 Orig	0.019	
E716516 Dup	0.024	
E716536 Orig	0.032	
E716536 Dup	0.045	
E736451 Orig	0.109	
E736451 Dup	0.129	
E736456 Orig	< 0.005	
E736456 Split	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E716621 Orig	0.031	
E716621 Dup	0.048	
E704407 Orig	0.100	
E704407 Dup	0.072	
E704416 Orig	0.030	
E704416 Dup	0.033	
E704417 Orig	0.018	
E704417 Split	0.019	
E704431 Orig	0.008	
E704431 Dup	0.005	
E704441 Orig	0.084	
E704441 Dup	0.070	
E736484 Orig	0.009	
E736484 Dup	0.018	
E736499 Orig	3.79	
E736499 Dup	3.79	
E736509 Orig	0.007	
E736509 Dup	0.008	
E736519 Orig	0.007	
E736519 Dup	0.006	
E736533 Orig	0.009	
E736533 Dup	0.009	
E736543 Orig	0.007	
E736543 Dup	0.005	
E736551 Orig	0.006	
E736551 Split	0.005	
E736553 Orig	0.339	
E736553 Dup	0.339	
E736567 Orig	< 0.005	
E736567 Dup	< 0.005	
E736577 Orig	< 0.005	
E736577 Dup	< 0.005	
E736587 Orig	0.005	
E736587 Dup	< 0.005	
E736601 Orig	0.089	
E736601 Split	0.114	
E736602 Orig	0.006	
E736602 Dup	0.006	
E704451 Orig	0.284	
E704451 Dup	0.303	
E704461 Orig	0.354	
E704461 Dup	0.272	
E704474 Orig	1.39	
E704474 Dup	1.37	
E704484 Orig	0.340	
E704484 Dup	0.377	
E704489 Orig	4.35	
E704489 Split	4.63	
E704508 Orig	0.699	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704508 Dup	0.799	
E704518 Orig	0.035	
E704518 Dup	0.025	
E704528 Orig	0.048	
E704528 Dup	0.066	
E704539 Orig	0.938	
E704539 Split	0.533	
E704543 Orig	0.066	
E704543 Dup	0.060	
E704553 Orig	< 0.005	
E704553 Dup	< 0.005	
E704563 Orig	0.013	
E704563 Dup	0.013	
E704577 Orig	< 0.005	
E704577 Dup	< 0.005	
E704587 Orig	1.49	
E704587 Dup	1.41	
E704589 Orig	0.009	
E704589 Split	0.010	
E736615 Orig	0.379	
E736615 Dup	0.400	
E736629 Orig	0.006	
E736629 Dup	0.006	
E736639 Orig	0.005	
E736639 Dup	< 0.005	
E736649 Orig	0.009	
E736649 Dup	0.009	
E736657 Orig	0.008	
E736657 Split	0.009	
E736664 Orig	< 0.005	
E736664 Dup	< 0.005	
E736674 Orig	< 0.005	
E736674 Dup	< 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	
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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	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
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	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 03-Feb-16
Invoice No.: A16-00890
Invoice Date: 08-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

365 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-00890**

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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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E736675	0.005
E736676	0.005
E736677	0.005
E736678	0.005
E736679	< 0.005
E736680	< 0.005
E736681	< 0.005
E736682	< 0.005
E736683	< 0.005
E736684	0.007
E736685	< 0.005
E736686	< 0.005
E736687	0.007
E736688	0.005
E736689	< 0.005
E736690	3.65
E736691	< 0.005
E736692	< 0.005
E736693	< 0.005
E736694	< 0.005
E736695	< 0.005
E736696	< 0.005
E736789	0.006
E736790	3.43
E736791	0.097
E736792	0.036
E736793	0.056
E736794	0.020
E736795	0.021
E736796	0.033
E736797	0.023
E736798	0.050
E736799	0.018
E736800	< 0.005
E736801	0.017
E736802	0.035
E736803	0.016
E736804	0.010
E736805	0.006
E736806	0.028
E736807	2.28
E736808	0.023
E736809	0.023
E736810	3.28
E736811	0.037
E736812	0.005
E704593	0.051
E704594	0.008
E704595	0.012

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E704596	0.011
E704597	0.008
E704598	0.028
E704599	0.093
E704600	< 0.005
E704601	0.015
E704602	1.03
E704603	1.62
E704604	1.72
E704605	0.093
E704606	0.027
E704607	0.375
E704608	0.026
E704609	0.482
E704610	3.33
E704611	0.026
E704612	0.017
E704613	0.010
E704614	0.031
E704615	0.011
E704616	0.048
E704617	0.007
E704618	0.007
E704619	< 0.005
E704620	< 0.005
E704621	0.023
E704622	0.613
E704623	0.018
E704624	0.147
E704625	0.076
E704626	0.011
E704627	0.011
E704628	0.019
E704629	0.138
E704630	7.57
E704631	0.030
E704632	0.015
E704633	0.013
E704634	0.023
E704635	0.180
E704636	6.15
E704637	0.100
E704638	0.244
E704639	3.64
E704640	< 0.005
E704641	0.066
E704642	0.008
E704643	< 0.005
E704644	0.024

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E704645	3.39
E704646	0.069
E704647	0.018
E704648	0.005
E704649	2.00
E704650	3.15
E704651	0.150
E704652	0.007
E704653	< 0.005
E704654	< 0.005
E704655	< 0.005
E704656	< 0.005
E704657	< 0.005
E704658	0.006
E704659	0.013
E704660	< 0.005
E704661	0.005
E704662	< 0.005
E704663	0.005
E704664	0.020
E736813	< 0.005
E736814	0.005
E736815	0.015
E736816	< 0.005
E736817	0.005
E736818	0.006
E736819	0.010
E736820	< 0.005
E736821	0.013
E736822	0.023
E736823	0.012
E736824	0.024
E736825	0.012
E736826	0.021
E736827	0.025
E736828	0.029
E736829	0.029
E736830	7.49
E736831	0.015
E736832	0.018
E736833	0.104
E736834	0.093
E736835	0.089
E736836	0.031
E704665	0.050
E704666	0.021
E704667	0.012
E704668	1.03
E704669	0.768

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E704670	8.30
E704671	0.014
E704672	0.309
E704673	0.167
E704674	0.028
E704675	0.077
E704676	< 0.005
E704677	0.008
E704678	0.296
E704679	0.081
E704680	< 0.005
E704681	0.237
E704682	0.068
E704683	0.288
E704684	0.041
E704685	0.158
E704686	0.739
E704687	0.137
E704688	0.163
E704689	0.061
E704690	3.22
E704691	0.021
E704692	0.158
E704693	0.684
E704694	0.371
E704695	0.023
E704696	1.49
E704697	0.012
E704698	0.006
E704699	0.005
E704700	< 0.005
E704701	< 0.005
E704702	0.022
E704703	< 0.005
E704704	0.014
E704705	< 0.005
E704706	0.007
E704707	0.014
E704708	0.014
E704709	0.022
E704710	3.24
E704711	0.008
E736837	0.020
E736838	0.022
E736839	0.025
E736840	< 0.005
E736841	0.021
E736842	0.052
E736843	0.203

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E736844	0.034
E736845	0.061
E736846	0.160
E736847	0.083
E736848	0.045
E736849	1.01
E736850	3.36
E736851	0.017
E736852	0.015
E736853	0.015
E736854	0.020
E736855	0.026
E736856	0.025
E736857	0.021
E736858	0.025
E736859	0.025
E736860	< 0.005
E736861	0.037
E736862	0.042
E736863	0.045
E736864	0.044
E736865	0.071
E736866	0.569
E736867	0.132
E736868	0.114
E736869	0.036
E736870	7.69
E736871	0.034
E736872	0.033
E736873	0.029
E736874	0.031
E736875	0.023
E736876	0.023
E736877	0.018
E736878	0.017
E736879	0.015
E736880	< 0.005
E736881	0.018
E736882	0.038
E736883	0.817
E736884	0.029
E736885	0.025
E736886	0.027
E736887	0.027
E736888	0.047
E736889	0.076
E736890	3.13
E736891	0.026
E736892	0.267

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E736893	0.031
E736894	0.021
E736895	0.016
E736896	0.018
E736897	0.016
E736898	0.018
E736899	0.019
E736900	< 0.005
E735651	0.019
E735652	0.023
E735653	0.018
E735654	0.024
E735655	0.025
E735656	0.020
E735657	0.021
E735658	0.021
E735659	0.024
E735660	< 0.005
E735661	0.022
E735662	0.031
E735663	0.055
E735664	0.032
E735665	4.79
E735666	0.180
E735667	0.022
E735668	0.018
E735669	0.018
E735670	7.02
E735671	0.018
E735672	0.030
E735673	0.018
E735674	< 0.005
E735675	0.208
E735676	0.042
E735677	0.115
E735678	0.031
E735679	0.091
E735680	< 0.005
E735681	0.021
E735682	0.028
E735832	0.018
E735833	5.04
E735834	0.012
E735835	0.007
E735836	0.017
E735837	0.009
E735838	< 0.005
E735839	0.007
E735840	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E735841	0.009
E735842	0.009
E735843	0.377
E735844	0.018
E735845	0.010
E735846	0.028
E735847	0.118
E735848	0.370
E735849	0.027
E735850	3.16
E735851	0.028
E735852	0.005
E735853	0.036
E735854	0.023
E735855	0.063
E735856	0.025
E735857	0.011
E735858	0.013
E735859	0.041
E735860	< 0.005
E735861	7.48
E735862	0.143
E735863	0.027
E735864	0.008
E735865	< 0.005
E735866	0.008
E735867	0.007
E735868	0.007
E735869	0.012
E735870	7.39
E735871	0.037
E735872	0.340
E735873	0.046
E735874	0.026
E735875	0.021
E735876	0.020
E735877	0.064
E735878	0.104
E735879	0.014
E735880	< 0.005
E735881	1.38
E735882	0.014
E735883	0.006
E735884	0.019
E735885	0.014
E735886	0.074
E735887	0.061
E735888	0.206
E735889	1.83

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E735890	3.13
E735891	9.02
E735892	0.066
E735893	0.035
E735894	0.163
E735895	9.57
E735896	0.185
E735897	0.168
E735898	0.058
E735899	4.57
E735900	< 0.005
E735901	0.010
E735902	0.025
E735903	0.022
E735904	0.011
E735905	0.006
E735906	0.418
E735907	0.207
E735908	0.023
E735909	1.53
E735910	3.24
E735911	0.057
OxD108 Meas	0.431
OxD108 Cert	0.414
OxD108 Meas	0.419
OxD108 Cert	0.414
OxD108 Meas	0.432
OxD108 Cert	0.414
OxD108 Meas	0.415
OxD108 Cert	0.414
OxD108 Meas	0.403
OxD108 Cert	0.414
OxD108 Meas	0.428
OxD108 Cert	0.414
OxD108 Meas	0.436
OxD108 Cert	0.414
OxD108 Meas	0.428
OxD108 Cert	0.414
OxD108 Meas	0.420
OxD108 Cert	0.414
OxD108 Meas	0.417
OxD108 Cert	0.414
OxD108 Meas	0.433
OxD108 Cert	0.414
OxD108 Meas	0.430
OxD108 Cert	0.414
SF67 Meas	0.862
SF67 Cert	0.835
SF67 Meas	0.877

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
SF67 Cert	0.835
SF67 Meas	0.811
SF67 Cert	0.835
SF67 Meas	0.841
SF67 Cert	0.835
SF67 Meas	0.874
SF67 Cert	0.835
SF67 Meas	0.860
SF67 Cert	0.835
SF67 Meas	0.862
SF67 Cert	0.835
SF67 Meas	0.853
SF67 Cert	0.835
SF67 Meas	0.843
SF67 Cert	0.835
SF67 Meas	0.850
SF67 Cert	0.835
SF67 Meas	0.848
SF67 Cert	0.835
SF67 Meas	0.814
SF67 Cert	0.835
E736684 Orig	0.007
E736684 Dup	0.007
E736694 Orig	< 0.005
E736694 Dup	< 0.005
E736796 Orig	0.033
E736796 Dup	0.032
E736811 Orig	0.037
E736811 Dup	0.033
E704596 Orig	0.011
E704596 Split	0.011
E704601 Orig	0.015
E704601 Dup	0.020
E704611 Orig	0.026
E704611 Dup	0.028
E704625 Orig	0.076
E704625 Dup	0.101
E704635 Orig	0.180
E704635 Dup	0.275
E704645 Orig	3.39
E704645 Dup	3.26
E704646 Orig	0.069
E704646 Split	0.050
E704659 Orig	0.013
E704659 Dup	0.009
E736817 Orig	0.005
E736817 Dup	0.005
E736827 Orig	0.025
E736827 Dup	0.024

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E704671 Orig	0.014
E704671 Dup	0.009
E704672 Orig	0.309
E704672 Split	0.239
E704681 Orig	0.237
E704681 Dup	0.218
E704691 Orig	0.021
E704691 Dup	0.021
E704704 Orig	0.014
E704704 Dup	0.014
E736839 Orig	0.025
E736839 Dup	0.025
E736847 Orig	0.083
E736847 Split	0.097
E736849 Orig	1.01
E736849 Dup	1.18
E736863 Orig	0.045
E736863 Dup	0.045
E736873 Orig	0.029
E736873 Dup	0.029
E736883 Orig	0.817
E736883 Dup	0.801
E736897 Orig	0.016
E736897 Split	0.018
E736898 Orig	0.018
E736898 Dup	0.017
E735658 Orig	0.021
E735658 Dup	0.022
E735668 Orig	0.018
E735668 Dup	0.018
E735682 Orig	0.028
E735682 Dup	0.018
E735841 Orig	0.009
E735841 Dup	0.008
E735846 Orig	0.028
E735846 Split	0.032
E735851 Orig	0.028
E735851 Dup	0.017
E735865 Orig	< 0.005
E735865 Dup	0.006
E735875 Orig	0.021
E735875 Dup	0.025
E735885 Orig	0.014
E735885 Dup	0.015
E735896 Orig	0.185
E735896 Split	0.202
E735901 Orig	0.010
E735901 Dup	0.013
E735911 Orig	0.057

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E735911 Dup	0.066
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
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Method Blank	< 0.005
Method Blank	< 0.005



Date Submitted: 04-Feb-16
Invoice No.: A16-00957
Invoice Date: 09-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

414 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-00957**

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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".

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735683	0.036	
E735684	0.059	
E735685	0.020	
E735686	0.052	
E735687	0.033	
E735688	0.183	
E735689	0.038	
E735690	3.32	
E735691	0.044	
E735692	0.089	
E735693	0.007	
E735694	0.115	
E735695	0.062	
E735696	0.041	
E735697	0.015	
E735698	0.017	
E735699	0.254	
E735700	0.005	
E735701	0.024	
E735702	0.010	
E735703	0.011	
E735704	0.017	
E735705	0.029	
E735706	0.041	
E735707	0.017	
E735708	0.005	
E735709	< 0.005	
E735710	3.15	
E735711	< 0.005	
E735712	< 0.005	
E735713	0.012	
E735714	< 0.005	
E735715	< 0.005	
E735716	< 0.005	
E735717	< 0.005	
E735718	0.008	
E735719	0.005	
E735720	< 0.005	
E735721	0.006	
E735722	0.005	
E735723	0.006	
E735724	0.006	
E735725	0.005	
E735726	< 0.005	
E735727	< 0.005	
E735728	0.005	
E735729	0.008	
E735730	7.44	
E735731	0.021	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735732	0.038	
E735733	0.011	
E735734	0.079	
E735735	0.147	
E735736	0.176	
E735737	0.018	
E735738	0.048	
E735739	0.111	
E735740	< 0.005	
E735741	< 0.005	
E735742	< 0.005	
E735743	0.005	
E735744	0.011	
E735745	0.031	
E735746	0.006	
E735747	< 0.005	
E735748	0.005	
E735749	0.011	
E735750	3.17	
E735751	0.437	
E735752	> 10.0	34.0
E735753	> 10.0	33.5
E735754	1.28	
E735755	0.488	
E735756	1.48	
E735757	0.102	
E735758	0.005	
E735759	0.006	
E735760	< 0.005	
E735761	< 0.005	
E735762	0.006	
E735763	< 0.005	
E735764	0.011	
E735765	< 0.005	
E735766	< 0.005	
E735767	0.005	
E735768	< 0.005	
E735769	0.037	
E735770	7.29	
E735771	0.013	
E735772	0.049	
E735773	0.062	
E735774	0.011	
E735775	0.045	
E735776	0.059	
E735777	0.046	
E735778	0.008	
E735779	0.551	
E735780	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735781	0.007	
E735782	0.013	
E735783	0.014	
E735784	0.012	
E735785	0.015	
E735786	0.212	
E735787	0.017	
E735788	0.008	
E735789	0.039	
E735790	3.35	
E735791	0.008	
E735792	0.006	
E735793	0.008	
E735794	0.011	
E735795	< 0.005	
E735796	< 0.005	
E735797	< 0.005	
E735798	0.009	
E735799	0.026	
E735800	< 0.005	
E735801	0.018	
E735802	0.033	
E735803	0.016	
E735804	0.017	
E735805	0.008	
E735806	0.005	
E735807	0.015	
E735808	0.011	
E735809	0.009	
E735810	3.27	
E735811	0.027	
E735812	0.013	
E735813	0.008	
E735814	0.007	
E735815	0.011	
E735816	0.007	
E735817	0.020	
E735818	0.045	
E735819	0.039	
E735820	< 0.005	
E735821	0.041	
E735822	0.016	
E735823	0.008	
E735824	0.018	
E735825	0.011	
E735826	0.006	
E735827	0.013	
E735828	0.014	
E735829	0.019	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735830	7.76	
E735831	0.011	
E735416	0.006	
E735417	0.010	
E735418	0.112	
E735419	0.036	
E735420	0.005	
E735421	0.248	
E735422	0.872	
E735423	0.087	
E735424	0.187	
E735425	0.053	
E735426	0.209	
E735427	0.089	
E735428	0.065	
E735429	0.028	
E735430	7.79	
E735431	0.020	
E735432	0.015	
E735433	0.147	
E735434	0.017	
E735435	0.008	
E735436	0.020	
E735437	0.016	
E735438	0.140	
E735439	0.010	
E735440	< 0.005	
E735441	0.094	
E735442	0.016	
E735443	0.005	
E735444	0.007	
E735445	0.038	
E735446	0.065	
E735447	0.034	
E735448	0.054	
E735449	0.012	
E735450	3.11	
E735451	0.013	
E735452	0.256	
E735453	0.302	
E735454	0.074	
E735455	0.247	
E735456	0.147	
E735457	0.068	
E735458	0.126	
E735459	0.132	
E735460	< 0.005	
E735461	0.322	
E735462	0.347	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735463	0.281	
E735464	0.015	
E735465	0.007	
E735466	0.011	
E735467	0.111	
E735468	0.022	
E735469	0.020	
E735470	6.94	
E735471	0.047	
E735912	0.166	
E735913	0.221	
E735914	1.16	
E735915	0.021	
E735916	0.013	
E735917	0.028	
E735918	0.065	
E735919	0.287	
E735920	< 0.005	
E735921	0.044	
E735922	3.52	
E735923	0.007	
E735924	0.007	
E735925	0.017	
E735926	0.288	
E735927	0.029	
E735928	0.038	
E735929	0.048	
E735930	7.49	
E735931	0.805	
E735932	0.042	
E735933	0.039	
E735934	0.037	
E735935	0.016	
E735936	0.018	
E735937	0.031	
E735938	0.018	
E735939	0.017	
E735940	< 0.005	
E735941	0.020	
E735942	0.047	
E735943	0.030	
E735944	0.021	
E735945	0.016	
E735946	0.016	
E735947	0.017	
E735948	0.020	
E735949	0.025	
E735950	3.15	
E735951	0.450	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735952	0.014	
E735953	0.016	
E735954	0.013	
E735955	0.066	
E735956	0.026	
E735957	0.016	
E735958	0.018	
E735959	0.063	
E735960	< 0.005	
E735961	0.009	
E735962	0.009	
E735963	0.009	
E735964	0.012	
E735965	0.015	
E735966	0.017	
E735967	0.136	
E735968	0.015	
E735969	0.011	
E735970	7.35	
E735971	0.017	
E735972	0.024	
E735973	0.016	
E735974	0.089	
E735975	0.053	
E735976	1.28	
E735977	2.67	
E735978	0.974	
E735979	3.93	
E735980	< 0.005	
E735981	0.753	
E735982	1.51	
E735983	4.76	
E735984	0.522	
E735985	0.770	
E735986	0.066	
E735987	0.139	
E735988	0.017	
E735989	1.51	
E735990	3.16	
E735991	0.130	
E735992	0.115	
E735993	0.066	
E735994	0.111	
E735995	0.007	
E735996	0.051	
E735997	0.029	
E735998	0.017	
E735999	0.186	
E736000	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736001	0.743	
E736002	0.829	
E736003	0.158	
E736004	0.031	
E736005	0.050	
E736006	0.579	
E736007	0.958	
E736008	0.015	
E736009	0.317	
E736010	3.15	
E736011	0.459	
E736012	1.85	
E736013	0.583	
E736014	0.018	
E736015	0.059	
E736016	0.131	
E736017	0.053	
E736018	0.060	
E736019	0.009	
E736020	< 0.005	
E736021	2.26	
E736022	0.894	
E736023	0.095	
E736024	1.86	
E736025	1.18	
E736026	3.36	
E736027	0.419	
E736028	0.032	
E736029	0.264	
E736030	3.16	
E736031	0.128	
E736032	1.27	
E736033	0.067	
E736034	0.545	
E736035	0.059	
E736036	0.498	
E736037	0.047	
E736038	0.033	
E736039	0.181	
E736040	< 0.005	
E736041	0.071	
E736042	0.038	
E736043	0.070	
E736044	0.731	
E736045	0.173	
E736046	0.655	
E736047	0.014	
E736048	0.014	
E736049	0.022	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736050	3.14	
E736051	0.156	
E736052	0.243	
E736053	0.867	
E736054	0.009	
E736055	0.534	
E736056	0.049	
E736057	0.073	
E736058	0.163	
E736059	0.122	
E736060	< 0.005	
E736061	0.026	
E736062	9.63	
E736063	0.095	
E736064	0.022	
E736065	1.21	
E736066	0.047	
E736067	3.18	
E736068	0.853	
E736069	0.023	
E736070	7.44	
E736071	0.022	
E736072	0.012	
E736073	0.014	
E736074	0.177	
E736075	0.038	
E736076	0.651	
E736077	0.086	
E736078	0.018	
E736079	0.087	
E736080	< 0.005	
E736081	0.010	
E736082	0.009	
E736083	0.013	
E736084	0.013	
E736085	0.119	
E736086	0.028	
E736087	0.047	
E736088	0.122	
E736089	0.100	
E736090	3.28	
E736091	0.146	
E736092	0.026	
E736093	0.016	
E736094	0.051	
E736095	5.42	
E736096	0.040	
E736097	0.029	
E736098	0.022	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E736099	0.025	
E736100	< 0.005	
E736101	0.027	
E736102	0.021	
E736103	0.010	
E736104	0.017	
E736105	0.021	
E736106	0.048	
E736107	0.060	
E736108	0.006	
E736109	0.005	
E736110	3.39	
E736111	0.010	
E736112	0.010	
E736113	0.026	
E736114	0.013	
E736115	0.112	
E736116	0.016	
E736117	0.016	
E736118	0.051	
E736119	0.333	
E736120	< 0.005	
OxK94 Meas		3.59
OxK94 Cert		3.56
OxD108 Meas	0.417	
OxD108 Cert	0.414	
OxD108 Meas	0.409	
OxD108 Cert	0.414	
OxD108 Meas	0.423	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
OxD108 Meas	0.427	
OxD108 Cert	0.414	
OxD108 Meas	0.419	
OxD108 Cert	0.414	
OxD108 Meas	0.423	
OxD108 Cert	0.414	
OxD108 Meas	0.409	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.431	
OxD108 Cert	0.414	
OxD108 Meas	0.429	
OxD108 Cert	0.414	
OxD108 Meas	0.423	
OxD108 Cert	0.414	
OxD108 Meas	0.412	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxD108 Cert	0.414	
OxD108 Meas	0.431	
OxD108 Cert	0.414	
OxD108 Meas	0.435	
OxD108 Cert	0.414	
SF67 Meas	0.805	
SF67 Cert	0.835	
SF67 Meas	0.814	
SF67 Cert	0.835	
SF67 Meas	0.863	
SF67 Cert	0.835	
SF67 Meas	0.822	
SF67 Cert	0.835	
SF67 Meas	0.826	
SF67 Cert	0.835	
SF67 Meas	0.829	
SF67 Cert	0.835	
SF67 Meas	0.856	
SF67 Cert	0.835	
SF67 Meas	0.818	
SF67 Cert	0.835	
SF67 Meas	0.855	
SF67 Cert	0.835	
SF67 Meas	0.869	
SF67 Cert	0.835	
SF67 Meas	0.871	
SF67 Cert	0.835	
SF67 Meas	0.861	
SF67 Cert	0.835	
SF67 Meas	0.855	
SF67 Cert	0.835	
SF67 Meas	0.849	
SF67 Cert	0.835	
SF67 Meas	0.815	
SF67 Cert	0.835	
OxP91 Meas		15.0
OxP91 Cert		14.82
E735692 Orig	0.089	
E735692 Dup	0.073	
E735702 Orig	0.010	
E735702 Dup	0.010	
E735712 Orig	< 0.005	
E735712 Dup	< 0.005	
E735727 Orig	< 0.005	
E735727 Dup	< 0.005	
E735732 Orig	0.038	
E735732 Split	0.047	
E735737 Orig	0.018	
E735737 Dup	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735747 Orig	< 0.005	
E735747 Dup	< 0.005	
E735761 Orig	< 0.005	
E735761 Dup	< 0.005	
E735771 Orig	0.013	
E735771 Dup	0.011	
E735781 Orig	0.007	
E735781 Dup	0.007	
E735782 Orig	0.013	
E735782 Split	0.006	
E735795 Orig	< 0.005	
E735795 Dup	0.005	
E735805 Orig	0.008	
E735805 Dup	0.010	
E735815 Orig	0.011	
E735815 Dup	0.012	
E735831 Orig	0.011	
E735831 Dup	0.010	
E735416 Orig	0.006	
E735416 Split	0.005	
E735424 Orig	0.187	
E735424 Dup	0.176	
E735434 Orig	0.017	
E735434 Dup	0.022	
E735448 Orig	0.054	
E735448 Dup	0.037	
E735458 Orig	0.126	
E735458 Dup	0.090	
E735466 Orig	0.011	
E735466 Split	0.008	
E735468 Orig	0.022	
E735468 Dup	0.012	
E735922 Orig	3.52	
E735932 Orig	0.042	
E735932 Dup	0.044	
E735942 Orig	0.047	
E735942 Dup	0.059	
E735956 Orig	0.026	
E735956 Split	0.036	
E735957 Orig	0.016	
E735957 Dup	0.017	
E735967 Orig	0.136	
E735967 Dup	0.098	
E735977 Orig	2.67	
E735977 Dup	2.74	
E735991 Orig	0.130	
E735991 Dup	0.095	
E736006 Orig	0.579	
E736006 Split	0.671	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 05-Feb-16
Invoice No.: A16-01001
Invoice Date: 11-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

410 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01001**

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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".

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E719538	0.016	
E736121	0.074	
E736122	0.089	
E736123	< 0.005	
E736124	< 0.005	
E736125	< 0.005	
E736126	< 0.005	
E736127	< 0.005	
E736128	< 0.005	
E736129	< 0.005	
E736130	7.02	
E736131	< 0.005	
E736132	< 0.005	
E736133	< 0.005	
E736134	< 0.005	
E736135	< 0.005	
E736136	0.007	
E736137	< 0.005	
E736138	< 0.005	
E736139	< 0.005	
E736140	< 0.005	
E736141	0.144	
E736142	0.503	
E736143	0.017	
E736144	0.011	
E736145	0.034	
E736146	0.005	
E736147	0.006	
E736148	0.019	
E736149	0.021	
E736150	3.00	
E704712	0.005	
E704713	0.112	
E704714	1.77	
E704715	0.054	
E704716	0.817	
E704717	0.025	
E704718	0.020	
E704719	0.029	
E704720	< 0.005	
E704721	0.066	
E704722	0.035	
E704723	0.082	
E704724	0.260	
E704725	0.164	
E704726	0.062	
E704727	0.059	
E704728	0.043	
E704729	0.811	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704730	7.66	
E704731	0.104	
E704732	0.028	
E704733	0.017	
E704734	1.89	
E704735	0.047	
E704736	0.019	
E704737	0.006	
E704738	0.010	
E704739	0.017	
E704740	< 0.005	
E704741	0.014	
E704742	0.092	
E704743	0.045	
E704744	0.029	
E704745	0.057	
E704746	0.112	
E704747	0.013	
E704748	0.033	
E704749	0.051	
E704750	3.27	
E704751	0.281	
E704752	0.011	
E704753	0.011	
E704754	0.012	
E704755	0.015	
E704756	0.747	
E704757	0.032	
E704758	0.016	
E704759	0.007	
E735472	0.079	
E735473	0.014	
E735474	0.021	
E735475	0.010	
E735476	0.018	
E735477	0.036	
E735478	0.011	
E735479	0.019	
E735480	< 0.005	
E735481	0.006	
E735482	0.011	
E735483	0.015	
E735484	0.230	
E735485	0.039	
E735486	0.008	
E735487	0.013	
E735488	0.282	
E735489	0.021	
E735490	3.37	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735491	0.007	
E735492	0.010	
E735493	0.013	
E735494	1.30	
E735495	0.023	
E735496	0.031	
E735497	0.024	
E735498	0.901	
E735499	0.162	
E735500	< 0.005	
E735501	1.73	
E735502	0.531	
E735503	1.94	
E735504	0.598	
E735505	0.067	
E735506	0.038	
E735507	0.023	
E735508	0.064	
E735509	0.108	
E735510	3.38	
E735511	0.023	
E735512	0.075	
E735513	0.378	
E735514	0.035	
E735515	0.026	
E735516	0.135	
E735517	0.041	
E735518	0.033	
E735519	0.070	
E735520	< 0.005	
E735521	0.402	
E735522	0.707	
E735523	0.238	
E735524	0.338	
E735525	0.831	
E735526	0.876	
E735527	1.04	
E735528	1.20	
E735529	0.600	
E735530	7.52	
E735531	0.361	
E735532	0.168	
E735533	0.027	
E735534	0.015	
E735535	0.017	
E735536	0.027	
E735537	0.013	
E735538	< 0.005	
E735539	0.014	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735540	< 0.005	
E735541	1.15	
E735542	0.403	
E735543	0.028	
E735544	0.079	
E735545	0.043	
E735546	0.224	
E735547	2.62	
E735548	1.95	
E735549	0.768	
E735550	3.33	
E735551	0.163	
E735552	0.859	
E735553	3.00	
E735554	0.917	
E735555	1.29	
E735556	6.86	
E735557	0.450	
E735558	2.01	
E735559	0.043	
E735560	< 0.005	
E735561	0.164	
E735562	0.018	
E735563	0.102	
E735564	0.110	
E735565	0.124	
E735566	0.095	
E735567	0.158	
E735568	> 10.0	24.7
E735569	0.486	
E735570	7.61	
E735571	2.33	
E735572	8.07	
E735573	3.51	
E735574	> 10.0	14.2
E735575	2.36	
E735576	1.92	
E735577	0.045	
E735578	0.568	
E735579	0.071	
E735580	< 0.005	
E735581	0.030	
E735582	0.021	
E735583	0.017	
E735584	0.015	
E735585	0.012	
E735586	0.008	
E735587	0.015	
E735588	2.50	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735589	0.006	
E735590	3.60	
E735591	0.203	
E735592	0.034	
E735593	0.010	
E735594	0.045	
E735595	0.205	
E735596	0.066	
E735597	0.036	
E735598	0.034	
E735599	0.056	
E735600	< 0.005	
E735601	0.021	
E735602	0.059	
E735603	0.014	
E735604	< 0.005	
E735605	< 0.005	
E735606	< 0.005	
E735607	< 0.005	
E735608	< 0.005	
E735609	< 0.005	
E735610	3.47	
E735611	0.124	
E735612	0.903	
E735613	0.012	
E735614	1.56	
E735615	1.30	
E735616	0.011	
E735617	0.017	
E735618	0.012	
E735619	0.043	
E735620	< 0.005	
E735621	5.51	
E735622	0.052	
E735623	0.020	
E735624	0.017	
E735625	0.021	
E735626	0.023	
E735627	0.019	
E735628	0.019	
E735629	0.084	
E735630	7.97	
E735631	0.032	
E735632	0.042	
E735633	0.030	
E735634	0.043	
E735635	0.688	
E735636	1.17	
E735637	7.10	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735638	0.485	
E735639	0.525	
E735640	< 0.005	
E735641	0.491	
E735642	0.026	
E735643	0.046	
E735644	0.026	
E735645	1.67	
E735646	0.619	
E735647	0.232	
E735648	0.034	
E735649	0.010	
E735650	3.45	
E719401	0.012	
E719402	0.010	
E719403	0.314	
E719404	0.078	
E719405	0.411	
E719406	0.028	
E719407	0.037	
E719408	0.040	
E719409	0.060	
E719410	3.49	
E719411	0.529	
E719412	2.78	
E719413	1.66	
E719414	1.96	
E719415	0.135	
E719416	0.158	
E719417	0.012	
E719418	0.016	
E719419	0.015	
E719420	< 0.005	
E719421	0.010	
E719422	0.026	
E719423	0.007	
E719424	0.008	
E704760	< 0.005	
E704761	0.059	
E704762	0.034	
E704763	0.068	
E704764	0.019	
E704765	0.040	
E704766	0.006	
E704767	0.005	
E704768	0.015	
E704769	0.033	
E704770	7.74	
E704771	0.268	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704772	1.37	
E704773	0.713	
E704774	0.116	
E704775	0.121	
E704776	0.013	
E704777	0.766	
E704778	0.709	
E704779	0.072	
E704780	< 0.005	
E704781	0.028	
E704782	0.051	
E704783	0.036	
E704784	0.006	
E704785	< 0.005	
E704786	0.019	
E704787	0.193	
E704788	0.158	
E704789	2.89	
E704790	3.24	
E704791	2.85	
E704792	1.83	
E704793	1.98	
E704794	8.11	
E704795	1.68	
E704796	0.191	
E704797	0.084	
E704798	0.106	
E704799	0.272	
E704800	< 0.005	
E704801	0.389	
E704802	0.126	
E704803	0.035	
E704804	0.022	
E704805	0.015	
E704806	0.014	
E704807	0.014	
E704808	0.011	
E704809	0.009	
E704810	3.34	
E704811	0.022	
E704812	0.019	
E704813	0.019	
E704814	0.009	
E704815	0.008	
E704816	0.006	
E704817	0.011	
E704818	0.014	
E704819	0.199	
E704820	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704821	0.031	
E704822	0.338	
E704823	0.011	
E704824	0.006	
E704825	0.017	
E704826	0.042	
E704827	0.015	
E704828	0.008	
E704829	0.009	
E704830	7.60	
E704831	0.018	
E704832	0.019	
E704833	0.235	
E704834	2.56	
E704835	0.275	
E704836	2.89	
E704837	1.71	
E704838	0.065	
E704839	0.218	
E704840	< 0.005	
E704841	2.09	
E704842	0.306	
E704843	0.029	
E704844	0.040	
E704845	0.143	
E704846	0.005	
E704847	0.006	
E704848	0.127	
E704849	0.025	
E704850	3.19	
E704851	0.010	
E704852	0.013	
E704853	0.021	
E704854	0.013	
E704855	0.012	
E704856	0.013	
E704857	0.166	
E704858	7.89	
E704859	0.544	
E704860	< 0.005	
E704861	6.41	
E704862	0.212	
E704863	0.062	
E704864	0.011	
E704865	0.011	
E704866	0.014	
E704867	0.019	
E704868	0.052	
E704869	0.719	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704870	7.75	
E704871	0.081	
E704872	0.013	
E704873	0.050	
E704874	0.013	
E704875	0.040	
E704876	0.014	
E704877	0.011	
E704878	0.080	
E704879	0.018	
E704880	< 0.005	
E704881	0.006	
E704882	0.005	
E704883	0.013	
E704884	0.021	
E704885	0.009	
E704886	0.007	
E704887	0.007	
OxK94 Meas		3.65
OxK94 Cert		3.56
OxD108 Meas	0.437	
OxD108 Cert	0.414	
OxD108 Meas	0.413	
OxD108 Cert	0.414	
OxD108 Meas	0.416	
OxD108 Cert	0.414	
OxD108 Meas	0.414	
OxD108 Cert	0.414	
OxD108 Meas	0.429	
OxD108 Cert	0.414	
OxD108 Meas	0.418	
OxD108 Cert	0.414	
OxD108 Meas	0.420	
OxD108 Cert	0.414	
OxD108 Meas	0.430	
OxD108 Cert	0.414	
OxD108 Meas	0.423	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.418	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
SF67 Meas	0.852	
SF67 Cert	0.835	
SF67 Meas	0.863	
SF67 Cert	0.835	
SF67 Meas	0.816	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
SF67 Cert	0.835	
SF67 Meas	0.833	
SF67 Cert	0.835	
SF67 Meas	0.831	
SF67 Cert	0.835	
SF67 Meas	0.848	
SF67 Cert	0.835	
SF67 Meas	0.856	
SF67 Cert	0.835	
SF67 Meas	0.840	
SF67 Cert	0.835	
SF67 Meas	0.831	
SF67 Cert	0.835	
SF67 Meas	0.845	
SF67 Cert	0.835	
SF67 Meas	0.838	
SF67 Cert	0.835	
SF67 Meas	0.843	
SF67 Cert	0.835	
SF67 Meas	0.827	
SF67 Cert	0.835	
OxP91 Meas		14.7
OxP91 Cert		14.82
E736129 Orig	< 0.005	
E736129 Dup	< 0.005	
E736139 Orig	< 0.005	
E736139 Dup	< 0.005	
E736149 Orig	0.021	
E736149 Dup	0.021	
E704725 Orig	0.164	
E704725 Dup	0.137	
E704731 Orig	0.104	
E704731 Split	0.113	
E704735 Orig	0.047	
E704735 Dup	0.050	
E704759 Orig	0.007	
E704759 Dup	0.008	
E735481 Orig	0.006	
E735481 Dup	0.010	
E735491 Orig	0.007	
E735491 Dup	0.007	
E735492 Orig	0.010	
E735492 Split	0.011	
E735505 Orig	0.067	
E735505 Dup	0.074	
E735515 Orig	0.026	
E735515 Dup	0.026	
E735525 Orig	0.831	
E735525 Dup	0.702	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E735539 Orig	0.014	
E735539 Dup	0.013	
E735542 Orig	0.403	
E735542 Split	0.497	
E735549 Orig	0.768	
E735560 Orig	< 0.005	
E735560 Dup	< 0.005	
E735568 Orig		24.7
E735568 Dup		21.3
E735574 Orig	> 10.0	
E735574 Dup	> 10.0	
E735584 Orig	0.015	
E735584 Dup	0.014	
E735592 Orig	0.034	
E735592 Split	0.034	
E735594 Orig	0.045	
E735594 Dup	0.032	
E735608 Orig	< 0.005	
E735608 Dup	< 0.005	
E735618 Orig	0.012	
E735618 Dup	0.015	
E735628 Orig	0.019	
E735628 Dup	0.022	
E735642 Orig	0.026	
E735642 Split	0.049	
E719403 Orig	0.314	
E719403 Dup	0.390	
E719413 Orig	1.66	
E719413 Dup	1.68	
E704777 Orig	0.766	
E704777 Split	0.767	
E704782 Orig	0.051	
E704782 Dup	0.041	
E704796 Orig	0.191	
E704796 Dup	0.290	
E704806 Orig	0.014	
E704806 Dup	0.018	
E704816 Orig	0.006	
E704816 Dup	0.006	
E704827 Orig	0.015	
E704827 Split	0.014	
E704831 Orig	0.018	
E704831 Dup	0.018	
E704842 Orig	0.306	
E704842 Dup	0.302	
E704851 Orig	0.010	
E704851 Dup	0.011	
E704865 Orig	0.011	
E704865 Dup	0.010	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E704875 Orig	0.040	
E704875 Dup	0.048	
E704877 Orig	0.011	
E704877 Split	0.009	
E704885 Orig	0.009	
E704885 Dup	0.008	
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	
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Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 16-Feb-16
Invoice No.: A16-01298
Invoice Date: 22-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

212 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01298**

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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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control



	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720901	0.005	
E720902	< 0.005	
E720903	< 0.005	
E720904	< 0.005	
E720905	< 0.005	
E720906	< 0.005	
E720907	< 0.005	
E720908	< 0.005	
E720909	< 0.005	
E720910	3.32	
E720911	< 0.005	
E720912	< 0.005	
E720913	< 0.005	
E720914	< 0.005	
E720915	< 0.005	
E720916	< 0.005	
E720917	< 0.005	
E720918	< 0.005	
E720919	< 0.005	
E720920	< 0.005	
E720921	< 0.005	
E720922	< 0.005	
E720923	0.005	
E720924	0.012	
E720925	0.009	
E720926	0.011	
E720927	0.116	
E720928	0.009	
E720929	0.012	
E720930	7.31	
E720931	0.013	
E720932	0.025	
E720933	0.018	
E720934	0.016	
E720935	0.014	
E720936	0.031	
E720937	0.018	
E720938	0.021	
E720939	0.016	
E720940	< 0.005	
E720941	0.030	
E720942	0.018	
E720943	0.017	
E720944	0.023	
E720945	0.043	
E720946	1.12	
E720947	0.139	
E720948	0.019	
E720949	0.025	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720950	3.03	
E720951	0.013	
E720952	0.008	
E720953	0.011	
E720954	0.047	
E720955	0.379	
E720956	0.015	
E720957	0.018	
E720958	0.010	
E720959	0.009	
E720960	< 0.005	
E720961	0.011	
E720962	< 0.005	
E720963	0.009	
E720964	0.017	
E720965	0.009	
E720966	0.013	
E720967	0.036	
E720968	< 0.005	
E720969	0.006	
E720970	7.78	
E720971	0.041	
E720972	< 0.005	
E720973	< 0.005	
E720974	< 0.005	
E720975	< 0.005	
E720976	< 0.005	
E720977	< 0.005	
E720978	0.042	
E720979	< 0.005	
E720980	< 0.005	
E720981	0.005	
E720982	0.006	
E720983	0.012	
E720984	0.037	
E720985	0.039	
E720986	0.037	
E720987	0.018	
E720988	0.027	
E719889	< 0.005	
E719890	3.19	
E719891	< 0.005	
E719892	< 0.005	
E719893	< 0.005	
E719894	< 0.005	
E719895	< 0.005	
E719896	0.011	
E719897	< 0.005	
E719898	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E719899	< 0.005	
E719900	< 0.005	
E732399	< 0.005	
E732400	< 0.005	
E732401	0.025	
E732402	< 0.005	
E732403	0.006	
E732404	< 0.005	
E732405	< 0.005	
E732406	0.008	
E732407	0.006	
E732408	0.011	
E732409	0.005	
E732410	3.16	
E732411	< 0.005	
E732412	0.005	
E732413	0.011	
E732414	0.016	
E732415	0.040	
E732416	0.013	
E732417	0.005	
E732418	< 0.005	
E732419	0.019	
E732420	< 0.005	
E732421	0.008	
E732422	< 0.005	
E732423	< 0.005	
E732424	< 0.005	
E732425	< 0.005	
E732426	0.019	
E732427	< 0.005	
E732428	0.005	
E732429	< 0.005	
E732430	7.73	
E732431	0.006	
E732432	0.010	
E732433	0.027	
E732434	0.006	
E732435	0.019	
E732436	0.011	
E732437	0.023	
E732438	0.008	
E732439	0.013	
E732440	< 0.005	
E732441	0.738	
E732442	6.36	
E732443	0.025	
E732444	0.016	
E732445	0.017	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732446	0.008	
E732447	0.012	
E732448	0.018	
E732449	0.079	
E732450	2.91	
E732451	0.005	
E732452	0.007	
E732453	0.006	
E732454	0.044	
E732455	0.013	
E732456	0.015	
E732457	0.012	
E732458	0.013	
E732459	0.021	
E732460	< 0.005	
E732461	0.012	
E732462	0.041	
E732463	0.040	
E732464	0.026	
E732465	0.025	
E732466	0.052	
E732467	0.022	
E732468	0.076	
E732469	0.744	
E732470	6.95	
E732471	0.095	
E732472	0.845	
E732473	2.11	
E732474	0.278	
E732475	2.68	
E732476	3.63	
E732477	2.42	
E732478	5.55	
E732479	0.432	
E732480	< 0.005	
E732481	> 10.0	16.5
E732482	2.80	
E732483	3.56	
E732484	0.230	
E732485	0.386	
E732486	0.009	
E732487	0.035	
E732488	0.006	
E732489	< 0.005	
E732490	3.35	
E732491	2.48	
E732492	3.54	
E732493	0.017	
E732494	0.025	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732495	0.023	
E732496	0.010	
E732497	0.023	
E732498	0.007	
E732499	0.025	
E732500	< 0.005	
E732501	0.090	
E732502	0.036	
E732503	0.008	
E732504	0.005	
E732505	0.007	
E732506	< 0.005	
E732507	0.398	
E732508	0.014	
E732509	< 0.005	
E732510	3.18	
OxK94 Meas		3.62
OxK94 Cert		3.56
OxP 91 Meas		15.2
OxP 91 Cert		14.82
OxD108 Meas	0.410	
OxD108 Cert	0.414	
OxD108 Meas	0.435	
OxD108 Cert	0.414	
OxD108 Meas	0.432	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.420	
OxD108 Cert	0.414	
OxD108 Meas	0.409	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
SF85 Meas	0.829	
SF85 Cert	0.848	
SF85 Meas	0.870	
SF85 Cert	0.848	
SF85 Meas	0.873	
SF85 Cert	0.848	
SF85 Meas	0.872	
SF85 Cert	0.848	
SF85 Meas	0.846	
SF85 Cert	0.848	
SF85 Meas	0.852	
SF85 Cert	0.848	
SF85 Meas	0.864	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
SF85 Cert	0.848	
E720911 Orig	< 0.005	
E720911 Dup	< 0.005	
E720921 Orig	< 0.005	
E720921 Dup	< 0.005	
E720931 Orig	0.013	
E720931 Dup	0.011	
E720951 Orig	0.013	
E720951 Split	0.014	
E720956 Orig	0.015	
E720956 Dup	0.015	
E720965 Orig	0.009	
E720965 Dup	0.008	
E720979 Orig	< 0.005	
E720979 Dup	0.005	
E719889 Orig	< 0.005	
E719889 Dup	< 0.005	
E719899 Orig	< 0.005	
E719899 Dup	< 0.005	
E732399 Orig	< 0.005	
E732399 Split	< 0.005	
E732411 Orig	< 0.005	
E732411 Dup	< 0.005	
E732421 Orig	0.008	
E732421 Dup	0.010	
E732431 Orig	0.006	
E732431 Dup	0.006	
E732446 Orig	0.008	
E732446 Dup	0.009	
E732448 Orig	0.018	
E732448 Split	0.022	
E732456 Orig	0.015	
E732456 Dup	0.017	
E732466 Orig	0.052	
E732466 Dup	0.056	
E732479 Orig	0.432	
E732479 Dup	0.367	
E732481 Orig		16.5
E732481 Dup		14.9
E732489 Orig	< 0.005	
E732489 Dup	0.005	
E732498 Orig	0.007	
E732498 Split	0.008	
E732501 Orig	0.090	
E732501 Dup	0.090	
E732506 Orig	< 0.005	
E732506 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
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	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 16-Feb-16
Invoice No.: A16-01299
Invoice Date: 24-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

204 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01299**

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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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E732975	0.326
E732976	0.016
E732977	0.023
E732978	0.014
E732979	0.016
E732980	< 0.005
E732981	0.020
E732982	0.975
E732983	0.726
E732984	1.16
E732985	0.105
E732986	0.039
E732987	0.706
E732988	0.164
E732989	0.821
E732990	3.32
E732991	3.65
E732992	1.47
E732993	0.322
E732994	0.648
E732995	0.425
E732996	0.147
E732997	1.14
E732998	0.396
E732999	4.25
E733000	< 0.005
E733001	0.141
E733002	1.55
E733003	0.241
E733004	0.342
E733005	0.035
E733006	1.72
E733007	0.251
E733008	0.132
E733009	0.109
E733010	3.13
E733011	0.136
E733012	1.39
E733013	2.65
E733014	1.52
E733015	0.059
E733016	0.066
E733017	0.038
E733018	0.006
E733019	< 0.005
E733020	< 0.005
E733021	0.010
E733022	0.407
E733023	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E733024	< 0.005
E733025	< 0.005
E733026	0.008
E733027	0.007
E733028	0.019
E733029	3.78
E733030	7.91
E733031	0.397
E733032	0.006
E733033	0.005
E733034	0.005
E733035	0.023
E733036	0.085
E733037	< 0.005
E733038	0.005
E733039	0.005
E733040	< 0.005
E733041	0.006
E733042	0.006
E733043	0.006
E733044	0.016
E733045	0.015
E733046	0.014
E733047	0.009
E733048	0.326
E733049	0.938
E733050	3.27
E733051	0.029
E733052	0.762
E733053	0.128
E733054	0.011
E733055	0.091
E732375	0.010
E732376	0.007
E732377	0.008
E732378	0.008
E732379	0.008
E732380	< 0.005
E732381	0.010
E732382	0.009
E732383	0.012
E732384	0.011
E732385	0.012
E732386	0.009
E732387	0.009
E732388	0.032
E732389	0.024
E732390	3.20
E732391	0.908

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E732392	2.61
E732393	0.012
E732394	0.009
E732395	0.011
E732396	0.006
E732397	0.011
E732398	0.008
E720317	0.012
E720318	0.007
E720319	< 0.005
E720320	< 0.005
E720321	< 0.005
E720322	< 0.005
E720323	0.008
E720324	0.980
E720325	0.005
E720326	0.006
E720327	0.014
E720328	0.020
E720329	< 0.005
E720330	7.46
E720331	0.014
E720332	2.75
E720333	0.147
E720334	0.150
E720335	0.195
E720336	0.041
E720337	< 0.005
E720338	< 0.005
E720339	0.828
E720340	< 0.005
E720341	0.482
E720342	0.301
E720343	0.198
E720344	0.103
E720345	0.138
E720346	0.006
E720347	< 0.005
E720348	0.016
E720349	0.088
E720350	3.18
E720351	0.045
E720352	0.009
E720353	0.074
E720354	0.388
E720355	0.891
E720356	0.522
E720357	0.175
E720358	0.219

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E720359	2.83
E720360	< 0.005
E720361	0.801
E720362	3.74
E720363	1.73
E720364	0.641
E720365	0.552
E720366	0.151
E720367	0.092
E720368	0.814
E720369	0.183
E720370	7.23
E720371	2.58
E720372	0.292
E720373	0.006
E720374	0.010
E720375	0.008
E719849	0.017
E719850	3.36
E719851	0.011
E719852	0.006
E719853	< 0.005
E719854	< 0.005
E719855	0.006
E719856	0.026
E719857	0.015
E719858	0.026
E719859	0.028
E719860	< 0.005
E719861	0.045
E719862	0.014
E719863	0.022
E719864	< 0.005
E719865	0.109
E719866	< 0.005
E719867	0.006
E719868	0.057
E719869	0.072
E719870	8.14
E719871	0.016
E719872	0.012
E719873	0.009
E719874	0.019
E719875	0.362
E719876	0.039
E719877	0.056
E719878	0.025
E719879	0.056
E719880	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E719881	0.034
E719882	0.056
E719883	0.037
E719884	0.027
E719885	0.008
E719886	< 0.005
E719887	0.013
E719888	0.006
OxD108 Meas	0.443
OxD108 Cert	0.414
OxD108 Meas	0.419
OxD108 Cert	0.414
OxD108 Meas	0.406
OxD108 Cert	0.414
OxD108 Meas	0.412
OxD108 Cert	0.414
OxD108 Meas	0.416
OxD108 Cert	0.414
OxD108 Meas	0.420
OxD108 Cert	0.414
OxD108 Meas	0.423
OxD108 Cert	0.414
SF85 Meas	0.876
SF85 Cert	0.848
SF85 Meas	0.855
SF85 Cert	0.848
SF85 Meas	0.835
SF85 Cert	0.848
SF85 Meas	0.857
SF85 Cert	0.848
SF85 Meas	0.834
SF85 Cert	0.848
SF85 Meas	0.869
SF85 Cert	0.848
SF85 Meas	0.848
SF85 Cert	0.848
E732984 Orig	1.16
E732984 Dup	1.13
E732994 Orig	0.648
E732994 Dup	0.658
E733004 Orig	0.342
E733004 Dup	0.393
E733019 Orig	< 0.005
E733019 Dup	< 0.005
E733024 Orig	< 0.005
E733024 Split	< 0.005
E733029 Orig	3.78
E733029 Dup	3.54
E733039 Orig	0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E733039 Dup	0.006
E732382 Orig	0.009
E732382 Dup	0.009
E732392 Orig	2.61
E732392 Dup	2.51
E732393 Orig	0.012
E732393 Split	0.011
E720324 Orig	0.980
E720324 Dup	1.03
E720334 Orig	0.150
E720334 Dup	0.173
E720344 Orig	0.103
E720344 Dup	0.108
E720359 Orig	2.83
E720359 Dup	2.82
E720361 Orig	0.801
E720361 Split	0.816
E720369 Orig	0.183
E720369 Dup	0.231
E719852 Orig	0.006
E719852 Dup	0.006
E719866 Orig	< 0.005
E719866 Dup	0.006
E719876 Orig	0.039
E719876 Dup	0.038
E719884 Orig	0.027
E719884 Split	0.027
E719886 Orig	< 0.005
E719886 Dup	< 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
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Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Date Submitted: 17-Feb-16
Invoice No.: A16-01326
Invoice Date: 24-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

96 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01326**

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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 written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control



	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720989	0.071	
E720990	3.25	
E720991	0.044	
E720992	0.033	
E720993	0.034	
E720994	0.024	
E720995	0.054	
E720996	0.040	
E720997	0.014	
E720998	< 0.005	
E720999	< 0.005	
E721000	< 0.005	
E721001	< 0.005	
E721002	< 0.005	
E721003	< 0.005	
E721004	< 0.005	
E721005	< 0.005	
E721006	< 0.005	
E721007	0.007	
E721008	0.008	
E721009	0.009	
E721010	3.62	
E721011	0.006	
E721012	0.011	
E721013	0.010	
E721014	0.008	
E721015	0.015	
E721016	0.015	
E721017	0.015	
E721018	0.007	
E721019	0.007	
E721020	< 0.005	
E721021	0.008	
E721022	0.006	
E721023	0.010	
E721024	0.032	
E721025	0.008	
E721026	0.005	
E721027	0.005	
E721028	0.018	
E721029	0.059	
E721030	7.71	
E721031	0.019	
E721032	0.201	
E721033	0.034	
E721034	0.009	
E721035	0.007	
E721036	0.007	
E732511	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732512	2.02	
E732513	0.142	
E732514	0.022	
E732515	0.014	
E732516	0.017	
E732517	> 10.0	21.5
E732518	0.706	
E732519	0.111	
E732520	< 0.005	
E732521	0.054	
E732522	0.012	
E732523	0.199	
E732524	0.013	
E732525	0.013	
E732526	0.029	
E732527	0.071	
E732528	0.015	
E732529	0.013	
E732530	7.83	
E732531	0.018	
E732532	0.023	
E732533	1.30	
E732534	0.229	
E732535	2.11	
E732536	1.21	
E732537	1.68	
E732538	8.14	
E732539	8.10	
E732540	< 0.005	
E732541	6.42	
E732542	6.79	
E732543	7.37	
E732544	0.405	
E732545	4.08	
E732546	0.529	
E732547	0.292	
E732548	0.027	
E732549	0.013	
E732550	3.13	
E732551	< 0.005	
E732552	0.007	
E732553	0.022	
E732554	< 0.005	
E732555	< 0.005	
E732556	< 0.005	
E732557	0.039	
E732558	0.050	
OXK94 Meas		3.55
OXK94 Cert		3.56

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxP 91 Meas		15.5
OxP 91 Cert		14.82
OxD108 Meas	0.413	
OxD108 Cert	0.414	
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxD108 Meas	0.421	
OxD108 Cert	0.414	
SF85 Meas	0.851	
SF85 Cert	0.848	
SF85 Meas	0.884	
SF85 Cert	0.848	
SF85 Meas	0.858	
SF85 Cert	0.848	
SF85 Meas	0.852	
SF85 Cert	0.848	
E720998 Orig	< 0.005	
E720998 Dup	< 0.005	
E721008 Orig	0.008	
E721008 Dup	0.009	
E721018 Orig	0.007	
E721018 Dup	0.006	
E721033 Orig	0.034	
E721033 Dup	0.036	
E732512 Orig	2.02	
E732512 Split	2.12	
E732517 Orig	> 10.0	
E732517 Dup	> 10.0	
E732528 Orig	0.015	
E732528 Dup	0.015	
E732551 Orig	< 0.005	
E732551 Dup	< 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	
Method Blank		< 0.03



Date Submitted: 19-Feb-16
Invoice No.: A16-01390
Invoice Date: 24-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

98 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01390**

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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E732595	< 0.005
E732596	0.312
E732597	0.007
E732598	0.007
E732599	0.018
E732600	< 0.005
E732601	< 0.005
E732602	< 0.005
E732603	0.006
E732604	0.007
E732605	0.009
E732606	0.008
E732607	0.007
E732608	0.009
E732609	0.006
E732610	3.15
E732611	0.007
E732612	0.009
E732613	0.034
E732614	0.014
E732615	0.013
E732616	0.016
E732617	2.57
E732618	3.90
E732619	0.009
E732620	< 0.005
E732621	0.007
E732622	0.007
E732623	0.010
E732624	0.008
E732625	< 0.005
E732626	0.005
E732627	0.005
E732628	< 0.005
E732629	< 0.005
E732630	7.60
E732631	0.010
E732632	0.005
E721135	0.013
E721136	0.010
E721137	0.009
E721138	1.11
E721139	0.009
E721140	< 0.005
E721141	< 0.005
E721142	< 0.005
E721143	0.005
E721144	0.026
E721145	0.010

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E721146	0.008
E721147	0.021
E721148	0.015
E721149	0.016
E721150	3.34
E721151	0.044
E721152	0.251
E721153	0.009
E721154	1.21
E721155	3.17
E721156	0.017
E721157	0.017
E721158	0.016
E721159	0.026
E721160	< 0.005
E721161	0.032
E721162	0.115
E721163	0.030
E721164	0.019
E721165	0.025
E721166	0.046
E721167	0.034
E721168	1.68
E721169	2.68
E721170	7.38
E721171	0.232
E721172	0.027
E721173	0.083
E721174	0.170
E721175	0.242
E721176	0.330
E721177	0.022
E721178	0.023
E721179	0.337
E721180	< 0.005
E721181	6.67
E721182	0.026
E721183	0.018
E721184	0.026
E721185	0.072
E721186	0.025
E721187	0.024
E721188	0.062
E721189	0.010
E721190	3.12
E721191	0.134
E721192	0.502
E721193	0.395
E721194	0.406

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OxD108 Meas	0.394
OxD108 Cert	0.414
OxD108 Meas	0.408
OxD108 Cert	0.414
OxD108 Meas	0.408
OxD108 Cert	0.414
SF85 Meas	0.826
SF85 Cert	0.848
SF85 Meas	0.828
SF85 Cert	0.848
SF85 Meas	0.857
SF85 Cert	0.848
E732604 Orig	0.007
E732604 Dup	0.006
E732614 Orig	0.014
E732614 Dup	0.014
E732624 Orig	0.008
E732624 Dup	0.008
E721141 Orig	< 0.005
E721141 Dup	< 0.005
E721146 Orig	0.008
E721146 Split	0.008
E721151 Orig	0.044
E721151 Dup	0.058
E721161 Orig	0.032
E721161 Dup	0.032
E721175 Orig	0.242
E721175 Dup	0.182
E721185 Orig	0.072
E721185 Dup	0.071
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Date Submitted: 19-Feb-16
Invoice No.: A16-01394
Invoice Date: 27-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

134 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01394**

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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", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E721037	0.011	
E721038	0.011	
E721039	0.011	
E721040	< 0.005	
E721041	0.010	
E721042	0.015	
E721043	0.007	
E721044	0.006	
E721045	0.010	
E721046	0.006	
E721047	0.041	
E721048	0.054	
E721049	0.031	
E721050	3.42	
E721051	< 0.005	
E721052	0.012	
E721053	0.005	
E721054	0.006	
E721055	0.010	
E721056	< 0.005	
E721057	< 0.005	
E721058	0.012	
E721059	0.005	
E721060	< 0.005	
E721061	0.006	
E721062	0.017	
E721063	0.022	
E721064	0.218	
E721065	0.011	
E721066	> 10.0	29.8
E721067	0.206	
E721068	0.052	
E721069	0.013	
E721070	7.28	
E721071	0.070	
E721072	0.021	
E721073	0.010	
E721074	0.008	
E721075	0.022	
E721076	0.350	
E721077	0.073	
E721078	0.031	
E721079	0.299	
E721080	< 0.005	
E721081	0.703	
E721082	0.113	
E721083	0.033	
E721084	2.00	
E721085	0.109	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E721086	0.021	
E721087	0.010	
E721088	0.024	
E721089	0.020	
E721090	3.20	
E721091	0.016	
E721092	0.024	
E721093	0.009	
E721094	0.011	
E721095	< 0.005	
E721096	0.005	
E721097	0.155	
E721098	0.061	
E721099	0.022	
E721100	< 0.005	
E721101	0.008	
E721102	0.011	
E721103	0.009	
E721104	0.031	
E721105	0.027	
E721106	0.093	
E721107	0.033	
E721108	0.043	
E721109	0.026	
E721110	3.15	
E721111	0.010	
E721112	0.009	
E721113	0.017	
E721114	0.033	
E721115	0.045	
E721116	0.009	
E721117	0.009	
E721118	0.018	
E721119	< 0.005	
E721120	< 0.005	
E721121	< 0.005	
E721122	0.017	
E721123	0.010	
E721124	0.014	
E721125	0.005	
E721126	0.009	
E721127	0.009	
E721128	0.005	
E721129	0.006	
E721130	7.22	
E721131	0.160	
E721132	< 0.005	
E721133	0.010	
E721134	1.18	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732559	< 0.005	
E732560	< 0.005	
E732561	< 0.005	
E732562	< 0.005	
E732563	< 0.005	
E732564	0.013	
E732565	0.015	
E732566	0.009	
E732567	0.005	
E732568	< 0.005	
E732569	< 0.005	
E732570	7.17	
E732571	0.006	
E732572	0.018	
E732573	0.015	
E732574	0.052	
E732575	0.025	
E732576	0.644	
E732577	0.143	
E732578	0.046	
E732579	0.058	
E732580	< 0.005	
E732581	0.024	
E732582	0.274	
E732583	0.325	
E732584	0.875	
E732585	0.098	
E732586	0.013	
E732587	0.092	
E732588	0.051	
E732589	0.147	
E732590	3.51	
E732591	0.015	
E732592	< 0.005	
E732593	0.005	
E732594	0.031	
OxK94 Meas		3.62
OxK94 Cert		3.56
OxP 91 Meas		14.8
OxP 91 Cert		14.82
OxD108 Meas	0.391	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
OxD108 Meas	0.432	
OxD108 Cert	0.414	
OxD108 Meas	0.416	
OxD108 Cert	0.414	
OxD108 Meas	0.420	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxD108 Cert	0.414	
SF85 Meas	0.875	
SF85 Cert	0.848	
SF85 Meas	0.850	
SF85 Cert	0.848	
SF85 Meas	0.836	
SF85 Cert	0.848	
SF85 Meas	0.843	
SF85 Cert	0.848	
SF85 Meas	0.845	
SF85 Cert	0.848	
E721046 Orig	0.006	
E721046 Dup	0.007	
E721056 Orig	< 0.005	
E721056 Dup	< 0.005	
E721066 Orig	> 10.0	
E721066 Dup	> 10.0	
E721086 Orig	0.021	
E721086 Split	0.015	
E721091 Orig	0.016	
E721091 Dup	0.020	
E721101 Orig	0.008	
E721101 Dup	0.008	
E721115 Orig	0.045	
E721115 Dup	0.058	
E721125 Orig	0.005	
E721125 Dup	0.005	
E732559 Orig	< 0.005	
E732559 Dup	< 0.005	
E732560 Orig	< 0.005	
E732560 Dup	< 0.005	
E732561 Orig	< 0.005	
E732561 Split	< 0.005	
E732573 Orig	0.015	
E732573 Dup	0.012	
E732593 Orig	0.005	
E732593 Dup	0.007	
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		< 0.03



Date Submitted: 20-Feb-16
Invoice No.: A16-01416
Invoice Date: 29-Feb-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

228 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01416**

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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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E721195	< 0.005	
E721196	0.040	
E721197	0.013	
E721198	0.007	
E721199	0.012	
E721200	< 0.005	
E721201	0.008	
E721202	0.029	
E721203	0.044	
E721204	0.048	
E721205	0.015	
E721206	0.037	
E721207	0.006	
E721208	0.067	
E721209	0.008	
E721210	2.95	
E721211	0.013	
E721212	0.018	
E721213	0.039	
E721214	0.026	
E721215	0.027	
E721216	0.025	
E721217	0.014	
E721218	0.117	
E721219	0.800	
E721220	< 0.005	
E721221	0.548	
E721222	0.370	
E721223	0.040	
E721224	0.009	
E721225	0.009	
E721226	0.012	
E721227	0.009	
E721228	0.006	
E721229	0.012	
E721230	7.61	
E721231	0.012	
E721232	0.008	
E721233	0.009	
E721234	0.008	
E721235	0.006	
E721236	0.014	
E721237	0.009	
E721238	0.010	
E721239	0.012	
E721240	< 0.005	
E721241	0.015	
E721242	0.018	
E732633	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732634	0.011	
E732635	0.006	
E732636	0.020	
E732637	0.005	
E732638	< 0.005	
E732639	0.008	
E732640	< 0.005	
E732641	0.105	
E732642	0.096	
E732643	0.026	
E732644	0.013	
E732645	0.091	
E732646	0.168	
E732647	0.015	
E732648	0.020	
E732649	0.010	
E732650	3.15	
E732651	0.055	
E732652	0.007	
E732653	0.009	
E732654	0.013	
E732655	0.129	
E732656	0.024	
E732657	0.013	
E732658	0.016	
E732659	0.055	
E732660	< 0.005	
E732661	0.044	
E732662	0.071	
E732663	0.076	
E732664	0.030	
E732665	0.052	
E732666	0.043	
E732667	0.124	
E732668	0.011	
E732669	0.015	
E732670	7.57	
E732671	0.022	
E732672	0.015	
E732673	0.009	
E732674	0.050	
E732675	0.046	
E732676	0.026	
E732677	0.025	
E732678	1.28	
E732679	0.850	
E732680	0.005	
E732681	0.286	
E732682	0.738	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732683	0.130	
E732684	0.147	
E732685	0.045	
E732686	0.462	
E732687	0.136	
E732688	0.313	
E732689	1.37	
E732690	< 0.005	
E732691	0.115	
E732692	0.034	
E732693	0.010	
E732694	0.007	
E732695	0.164	
E732696	0.156	
E732697	7.85	
E732698	2.09	
E732699	2.38	
E732700	< 0.005	
E732701	3.14	
E732702	2.70	
E732703	> 10.0	12.6
E732704	0.055	
E721243	0.332	
E721244	0.023	
E721245	0.708	
E721246	0.105	
E721247	> 10.0	13.1
E721248	> 10.0	10.6
E721249	0.032	
E721250	3.46	
E721251	0.310	
E721252	0.560	
E721253	0.033	
E721254	0.031	
E721255	0.060	
E721256	0.015	
E721257	0.039	
E721258	0.010	
E721259	0.030	
E721260	< 0.005	
E721261	0.884	
E721262	0.628	
E721263	0.017	
E721264	3.29	
E721265	3.88	
E721266	0.011	
E721267	0.011	
E721268	0.012	
E721269	6.11	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E721270	7.62	
E721271	0.102	
E721272	0.422	
E721273	0.258	
E721274	0.011	
E721275	0.012	
E721276	0.012	
E721277	0.133	
E721278	0.009	
E721279	0.099	
E721280	< 0.005	
E721281	0.058	
E721282	0.011	
E721283	0.008	
E721284	0.009	
E721285	0.012	
E721286	0.011	
E721287	0.069	
E721288	0.309	
E721289	0.035	
E721290	3.34	
E721291	0.696	
E721292	0.021	
E721293	0.016	
E721294	0.020	
E721295	0.035	
E721296	0.014	
E721297	0.011	
E721298	0.010	
E721299	0.009	
E721300	< 0.005	
E721301	0.129	
E721302	0.033	
E721303	0.007	
E721304	0.011	
E721305	0.007	
E721306	0.006	
E721307	0.008	
E721308	0.024	
E721309	0.021	
E721310	3.17	
E732705	0.031	
E732706	0.078	
E732707	4.89	
E732708	1.09	
E732709	2.09	
E732710	3.20	
E732711	0.037	
E732712	0.694	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732713	0.079	
E732714	0.019	
E732715	0.015	
E732716	0.040	
E732717	0.019	
E732718	0.024	
E732719	0.046	
E732720	< 0.005	
E732721	0.013	
E732722	0.051	
E732723	0.009	
E732724	0.091	
E732725	0.010	
E732726	0.027	
E732727	4.00	
E732728	0.165	
E732729	0.159	
E732730	7.13	
E732731	> 10.0	11.8
E732732	0.090	
E732733	0.023	
E732734	0.012	
E732735	0.048	
E732736	0.074	
E732737	0.018	
E732738	0.274	
E732739	0.021	
E732740	< 0.005	
E732741	0.020	
E732742	0.088	
E732743	> 10.0	16.1
E732744	0.318	
OxK94 Meas		3.57
OxK94 Cert		3.56
OxP 91 Meas		14.7
OxP 91 Cert		14.82
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
OxD108 Meas	0.419	
OxD108 Cert	0.414	
OxD108 Meas	0.421	
OxD108 Cert	0.414	
OxD108 Meas	0.430	
OxD108 Cert	0.414	
OxD108 Meas	0.431	
OxD108 Cert	0.414	
OxD108 Meas	0.418	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxD108 Cert	0.414	
SF85 Meas	0.849	
SF85 Cert	0.848	
SF85 Meas	0.841	
SF85 Cert	0.848	
SF85 Meas	0.833	
SF85 Cert	0.848	
SF85 Meas	0.843	
SF85 Cert	0.848	
SF85 Meas	0.874	
SF85 Cert	0.848	
SF85 Meas	0.857	
SF85 Cert	0.848	
SF85 Meas	0.835	
SF85 Cert	0.848	
E721204 Orig	0.048	
E721204 Dup	0.022	
E721214 Orig	0.026	
E721214 Dup	0.018	
E721224 Orig	0.009	
E721224 Dup	0.007	
E721239 Orig	0.012	
E721239 Dup	0.021	
E732634 Orig	0.011	
E732634 Split	0.010	
E732639 Orig	0.008	
E732639 Dup	0.009	
E732649 Orig	0.010	
E732649 Dup	0.009	
E732663 Orig	0.076	
E732663 Dup	0.095	
E732673 Orig	0.009	
E732673 Dup	0.010	
E732683 Orig	0.130	
E732683 Dup	0.139	
E732684 Orig	0.147	
E732684 Split	0.220	
E732697 Orig	7.85	
E732697 Dup	8.66	
E721245 Orig	0.708	
E721245 Dup	0.630	
E721255 Orig	0.060	
E721255 Dup	0.046	
E721269 Orig	6.11	
E721269 Dup	6.07	
E721272 Orig	0.422	
E721272 Split	0.374	
E721281 Orig	0.058	
E721281 Dup	0.042	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E721291 Orig	0.696	
E721291 Dup	0.813	
E721304 Orig	0.011	
E721304 Dup	0.012	
E732708 Orig	1.09	
E732708 Dup	1.22	
E732716 Orig	0.040	
E732716 Split	0.050	
E732718 Orig	0.024	
E732718 Dup	0.019	
E732732 Orig	0.090	
E732732 Dup	0.094	
E732742 Orig	0.088	
E732742 Dup	0.066	
E732743 Orig		16.1
E732743 Dup		17.5
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	
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		< 0.03



Date Submitted: 01-Mar-16
Invoice No.: A16-01679
Invoice Date: 14-Mar-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

327 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01679**

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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 "Eliitsa Hrischeva".

Eliitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E733056	0.937	
E733057	0.407	
E733058	0.015	
E733059	0.011	
E733060	< 0.005	
E733061	0.006	
E733062	0.007	
E733063	0.070	
E733064	0.277	
E733065	0.009	
E733066	0.011	
E733067	0.010	
E733068	0.006	
E733069	0.007	
E733070	7.83	
E733071	0.006	
E733072	0.026	
E733073	0.035	
E733074	1.30	
E733075	0.082	
E733077	0.462	
E733078	0.049	
E733079	0.010	
E733080	< 0.005	
E733081	0.018	
E733082	0.013	
E733083	0.009	
E733084	0.006	
E733085	0.006	
E733086	0.005	
E733087	< 0.005	
E733088	< 0.005	
E733089	< 0.005	
E733090	3.34	
E733091	0.013	
E733092	0.010	
E733093	0.008	
E733094	0.009	
E733095	0.084	
E733096	0.092	
E733097	0.269	
E733098	0.099	
E733099	0.060	
E733100	< 0.005	
E733101	0.028	
E733102	0.015	
E733103	0.314	
E733104	0.078	
E733105	0.155	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E733106	6.73	
E733107	1.28	
E733108	0.300	
E733109	0.691	
E733110	3.29	
E733111	1.20	
E733112	0.017	
E733113	0.234	
E733114	3.78	
E733115	1.84	
E733116	2.28	
E733117	0.006	
E733118	0.006	
E733119	0.009	
E733120	< 0.005	
E733121	0.005	
E733122	0.014	
E733123	0.007	
E733124	0.007	
E733125	0.014	
E733126	0.010	
E733127	0.956	
E733128	0.010	
E733129	0.009	
E733130	7.44	
E733131	0.008	
E733132	0.010	
E733133	0.008	
E733134	0.006	
E733135	0.018	
E733136	0.094	
E733137	0.538	
E705724	0.221	
E705725	0.212	
E705726	0.041	
E705727	0.076	
E705728	0.138	
E705729	0.018	
E705730	7.60	
E705731	0.071	
E705732	0.338	
E705733	0.042	
E705734	0.009	
E705735	0.009	
E705736	0.053	
E705737	0.007	
E705738	0.025	
E705739	0.168	
E705740	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705741	0.010	
E705742	0.005	
E705743	0.010	
E705744	0.006	
E705745	0.010	
E705746	0.023	
E705747	0.007	
E705748	0.193	
E705749	0.060	
E705750	3.32	
E705751	3.42	
E705752	0.735	
E705753	0.370	
E705754	0.233	
E705755	0.682	
E705756	0.051	
E705757	0.245	
E705758	1.40	
E705759	0.023	
E705760	< 0.005	
E705761	0.005	
E705762	0.023	
E705763	0.008	
E705764	0.011	
E705765	0.019	
E705766	0.202	
E705767	0.185	
E705768	0.232	
E705769	0.046	
E705770	7.96	
E705771	0.149	
E705772	7.63	
E705773	> 10.0	10.9
E705774	0.019	
E720616	0.005	
E720617	0.008	
E720618	0.043	
E720619	3.53	
E720620	< 0.005	
E720621	4.85	
E720622	0.028	
E720623	0.010	
E720624	0.013	
E720625	0.015	
E720626	0.014	
E720627	0.014	
E720628	0.008	
E720629	0.012	
E720630	7.24	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720631	0.006	
E720632	0.006	
E720633	0.005	
E720634	0.050	
E720635	0.032	
E720636	0.015	
E720637	0.018	
E720638	1.98	
E720639	0.032	
E720640	< 0.005	
E720641	0.020	
E720642	0.037	
E720643	0.011	
E720644	0.011	
E720645	0.011	
E720646	0.006	
E720647	0.011	
E720648	0.050	
E720649	4.91	
E720650	2.95	
E720651	5.39	
E720652	0.518	
E720653	0.026	
E720654	0.021	
E720655	0.021	
E720656	0.016	
E720657	2.11	
E720658	0.373	
E720659	0.442	
E720660	< 0.005	
E720661	0.007	
E720662	0.007	
E720663	0.006	
E720664	0.005	
E720665	0.033	
E720666	0.007	
E720667	0.219	
E720668	0.020	
E720669	0.021	
E720670	8.00	
E720671	0.010	
E720672	< 0.005	
E720673	< 0.005	
E720674	< 0.005	
E720675	0.005	
E720676	0.533	
E720677	0.879	
E720678	2.42	
E720679	9.09	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720680	< 0.005	
E720681	> 10.0	14.1
E720682	8.50	
E720683	8.88	
E720684	8.75	
E720685	3.45	
E720686	> 10.0	10.9
E720687	> 10.0	28.3
E720688	7.47	
E720689	1.25	
E720690	3.31	
E720691	> 10.0	12.6
E720692	2.25	
E720693	0.565	
E720694	0.366	
E720695	3.95	
E720696	9.84	
E720697	0.186	
E720698	0.012	
E720699	< 0.005	
E720700	< 0.005	
E720701	0.006	
E720702	0.007	
E720703	0.009	
E720704	0.009	
E720705	0.265	
E720706	0.023	
E720707	0.005	
E720708	< 0.005	
E720709	< 0.005	
E720710	3.35	
E720711	0.006	
E720712	0.007	
E720713	0.245	
E720714	< 0.005	
E720715	< 0.005	
E720716	0.709	
E720717	0.138	
E720718	0.178	
E720719	< 0.005	
E720720	< 0.005	
E720721	< 0.005	
E720722	< 0.005	
E720723	< 0.005	
E720724	0.022	
E720725	0.008	
E720726	0.008	
E720727	< 0.005	
E720728	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720729	< 0.005	
E720730	7.66	
E720731	< 0.005	
E720732	0.014	
E720733	0.040	
E720734	0.007	
E720735	0.111	
E720736	0.454	
E720737	> 10.0	21.0
E720738	0.154	
E720739	0.104	
E720740	< 0.005	
E720741	0.092	
E720742	0.566	
E720743	0.639	
E720744	0.574	
E720745	8.05	
E709967	0.532	
E709968	> 10.0	14.3
E709969	0.292	
E709970	7.89	
E709971	0.925	
E709972	0.589	
E709973	0.052	
E709974	0.851	
E709975	0.035	
E709976	0.008	
E709977	0.490	
E709978	0.035	
E709979	0.007	
E709980	< 0.005	
E709981	< 0.005	
E709982	0.017	
E709983	0.074	
E709984	< 0.005	
E709985	< 0.005	
E709986	0.011	
E709987	0.086	
E709988	1.78	
E709989	0.008	
E709990	3.41	
E709991	0.013	
E709992	1.02	
E709993	3.60	
E709994	0.081	
E709995	0.058	
E709996	0.089	
E709997	0.134	
E709998	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709999	0.027	
E710000	< 0.005	
E710001	0.026	
E710002	0.029	
E710003	0.070	
E710004	0.017	
E710005	0.176	
E710006	0.015	
E710007	0.010	
E710008	< 0.005	
E710009	0.012	
E710010	3.00	
E710011	0.263	
E710012	0.016	
E710013	0.026	
E710014	0.024	
E710015	0.009	
E710016	0.031	
E710017	0.026	
E710018	0.237	
E710019	0.011	
E710020	< 0.005	
E710021	0.013	
E710022	0.009	
E710023	0.011	
E710024	0.012	
E710025	0.016	
E710333	0.006	
E710334	0.014	
E710335	0.057	
E710336	0.011	
E710337	0.009	
E710338	0.025	
OxK94 Meas		3.67
OxK94 Cert		3.56
OxK94 Meas		3.63
OxK94 Cert		3.56
OxP 91 Meas		15.1
OxP 91 Cert		14.82
OxP 91 Meas		15.0
OxP 91 Cert		14.82
OxD108 Meas	0.431	
OxD108 Cert	0.414	
OxD108 Meas	0.425	
OxD108 Cert	0.414	
OxD108 Meas	0.434	
OxD108 Cert	0.414	
OxD108 Meas	0.434	
OxD108 Cert	0.414	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.434	
OxD108 Cert	0.414	
OxD108 Meas	0.422	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.438	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
OxD108 Meas	0.422	
OxD108 Cert	0.414	
SF85 Meas	0.872	
SF85 Cert	0.848	
SF85 Meas	0.838	
SF85 Cert	0.848	
SF85 Meas	0.876	
SF85 Cert	0.848	
SF85 Meas	0.845	
SF85 Cert	0.848	
SF85 Meas	0.817	
SF85 Cert	0.848	
SF85 Meas	0.862	
SF85 Cert	0.848	
SF85 Meas	0.827	
SF85 Cert	0.848	
SF85 Meas	0.840	
SF85 Cert	0.848	
SF85 Meas	0.820	
SF85 Cert	0.848	
SF85 Meas	0.829	
SF85 Cert	0.848	
SF85 Meas	0.871	
SF85 Cert	0.848	
E733065 Orig	0.009	
E733065 Dup	0.008	
E733075 Orig	0.082	
E733075 Dup	0.114	
E733086 Orig	0.005	
E733086 Dup	0.006	
E733099 Orig	0.060	
E733099 Dup	0.062	
E733105 Orig	0.155	
E733105 Split	0.234	
E733121 Orig	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E733121 Dup	0.005	
E733134 Orig	0.006	
E733134 Dup	0.007	
E705729 Orig	0.018	
E705729 Dup	0.014	
E705741 Orig	0.010	
E705741 Split	0.009	
E705742 Orig	0.005	
E705742 Dup	0.007	
E705754 Orig	0.233	
E705754 Dup	0.188	
E705764 Orig	0.011	
E705764 Dup	0.011	
E705774 Orig	0.019	
E705774 Dup	0.022	
E720619 Orig	3.53	
E720619 Dup	3.15	
E720629 Orig	0.012	
E720629 Dup	0.012	
E720632 Orig	0.006	
E720632 Split	0.007	
E720639 Orig	0.032	
E720639 Dup	0.034	
E720651 Orig	5.39	
E720651 Dup	5.55	
E720664 Orig	0.005	
E720664 Dup	0.005	
E720674 Orig	< 0.005	
E720674 Dup	< 0.005	
E720680 Dup	< 0.005	
E720682 Orig	8.50	
E720682 Split	9.27	
E720698 Orig	0.012	
E720698 Dup	0.010	
E720708 Orig	< 0.005	
E720708 Dup	< 0.005	
E720718 Orig	0.178	
E720718 Dup	0.185	
E720732 Orig	0.014	
E720732 Split	0.011	
E720733 Orig	0.040	
E720733 Dup	0.032	
E720743 Orig	0.639	
E720743 Dup	0.620	
E709968 Orig		14.3
E709988 Orig	1.78	
E709998 Orig	0.007	
E709998 Dup	0.008	
E710003 Orig	0.070	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E710003 Split	0.079	
E710008 Orig	< 0.005	
E710008 Dup	< 0.005	
E710022 Orig	0.009	
E710022 Dup	0.009	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
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Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 01-Apr-16
Invoice No.: A16-02778
Invoice Date: 13-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

161 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-02778**

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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 long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E710955	0.006	
E710956	0.006	
E710957	0.007	
E710958	0.019	
E710959	4.03	
E710960	0.005	
E710961	0.664	
E710962	0.115	
E710963	0.016	
E710964	0.010	
E710965	0.017	
E710966	0.015	
E710967	0.009	
E710968	0.008	
E710969	0.010	
E710970	7.90	
E710971	0.018	
E710972	0.011	
E710973	0.008	
E710974	0.007	
E710975	0.015	
E710976	2.15	
E710977	0.013	
E710978	0.572	
E710979	1.00	
E710980	< 0.005	
E710981	0.079	
E710982	0.472	
E710983	0.027	
E710984	0.038	
E710985	0.015	
E710986	0.820	
E710987	0.126	
E710988	0.150	
E710989	0.009	
E710990	3.25	
E710991	0.021	
E710992	0.031	
E710993	0.009	
E710994	0.010	
E710995	0.005	
E710996	0.006	
E710997	0.015	
E710998	0.022	
E710999	0.054	
E711000	< 0.005	
E711001	0.103	
E711002	0.012	
E711003	1.80	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711004	0.044	
E711005	4.00	
E711006	0.153	
E711007	0.249	
E711008	0.006	
E711009	0.052	
E711010	3.23	
E711011	0.007	
E711012	0.114	
E711013	0.021	
E711014	0.028	
E711015	0.006	
E711016	0.012	
E711017	< 0.005	
E711018	0.097	
E711019	0.047	
E711020	0.006	
E711021	0.026	
E711022	0.022	
E711023	0.032	
E711024	0.120	
E711025	0.366	
E711026	0.138	
E711027	0.855	
E711028	0.033	
E711029	0.177	
E711030	7.55	
E711031	0.199	
E711032	0.043	
E711033	0.219	
E711034	0.426	
E711035	< 0.005	
E711036	< 0.005	
E711037	< 0.005	
E711038	< 0.005	
E711039	< 0.005	
E711040	< 0.005	
E711041	< 0.005	
E711042	< 0.005	
E711043	< 0.005	
E710339	0.034	
E710340	< 0.005	
E710341	0.024	
E710342	0.010	
E710343	< 0.005	
E710344	0.058	
E710345	0.846	
E710346	8.11	
E710347	0.168	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E710348	0.059	
E710349	0.477	
E710350	7.64	
E710351	1.32	
E710352	5.40	
E710353	2.19	
E710354	3.02	
E710355	2.82	
E710356	0.214	
E710357	0.140	
E710358	0.192	
E710359	0.276	
E710360	< 0.005	
E710361	0.304	
E710362	0.126	
E710363	0.085	
E710364	0.538	
E710365	0.169	
E710366	0.146	
E710367	0.034	
E710368	0.093	
E710369	0.022	
E710370	8.21	
E710371	0.031	
E710372	0.009	
E710373	0.026	
E710374	0.020	
E710375	0.023	
E710376	0.199	
E710377	0.250	
E710378	0.069	
E710379	0.068	
E710380	< 0.005	
E710381	0.108	
E710382	0.035	
E710383	0.022	
E710384	0.035	
E710385	0.429	
E710386	1.38	
E710387	0.120	
E710388	0.913	
E710389	0.074	
E710390	3.21	
E710391	0.048	
E710392	0.030	
E710393	0.061	
E710394	0.479	
E710395	0.088	
E710396	0.084	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E710397	1.27	
E710398	0.050	
E710399	0.051	
E710400	< 0.005	
E710401	> 10.0	10.4
E710402	1.18	
E710403	0.311	
E710404	0.090	
E710405	2.53	
E710406	0.839	
E710407	0.183	
E710408	0.284	
E710409	0.236	
E710410	3.37	
OxK94 Meas		3.55
OxK94 Cert		3.56
OxP 91 Meas		14.9
OxP 91 Cert		14.82
OxD108 Meas	0.421	
OxD108 Cert	0.414	
OxD108 Meas	0.413	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
OxD108 Meas	0.421	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
SF85 Meas	0.841	
SF85 Cert	0.848	
SF85 Meas	0.842	
SF85 Cert	0.848	
SF85 Meas	0.881	
SF85 Cert	0.848	
SF85 Meas	0.827	
SF85 Cert	0.848	
SF85 Meas	0.824	
SF85 Cert	0.848	
E710964 Orig	0.010	
E710964 Dup	0.010	
E710974 Orig	0.007	
E710974 Dup	0.007	
E710984 Orig	0.038	
E710984 Dup	0.045	
E710999 Orig	0.054	
E710999 Dup	0.042	
E711004 Orig	0.044	
E711004 Split	0.034	
E711009 Orig	0.052	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711019 Orig	0.047	
E711019 Dup	0.050	
E711033 Orig	0.219	
E711043 Orig	< 0.005	
E711043 Dup	< 0.005	
E710348 Orig	0.059	
E710348 Dup	0.059	
E710349 Orig	0.477	
E710349 Split	0.501	
E710362 Orig	0.126	
E710362 Dup	0.087	
E710372 Orig	0.009	
E710372 Dup	0.009	
E710382 Orig	0.035	
E710382 Dup	0.037	
E710397 Orig	1.27	
E710397 Dup	1.27	
E710399 Orig	0.051	
E710399 Split	0.057	
E710407 Orig	0.183	
E710407 Dup	0.252	
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	
Method Blank		< 0.03



Date Submitted: 01-Apr-16
Invoice No.: A16-02781
Invoice Date: 09-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

176 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-02781**

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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 loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710411	0.068
E710412	3.07
E710413	0.043
E710414	0.028
E710415	0.046
E710416	0.175
E710417	0.035
E710418	0.025
E710419	0.024
E710420	< 0.005
E710421	0.017
E710422	0.029
E710423	0.028
E710424	0.028
E710425	0.029
E710426	0.021
E710427	0.024
E710428	0.026
E710429	0.017
E710430	7.17
E710431	0.017
E710432	0.017
E710433	0.037
E710434	0.032
E710435	0.023
E710436	0.030
E710437	0.028
E710438	0.026
E710439	0.022
E710440	< 0.005
E710441	0.020
E710442	0.023
E710443	0.017
E710444	0.013
E710445	0.013
E710446	0.014
E710447	0.024
E710448	0.030
E710449	0.079
E710450	3.26
E710451	0.032
E710452	0.111
E710453	0.130
E710454	0.035
E710455	0.008
E710456	0.073
E710457	0.028
E710458	0.821
E710459	0.081

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710460	< 0.005
E710461	1.45
E710462	0.030
E710463	1.15
E710464	0.092
E710465	0.105
E710466	0.070
E710467	0.022
E710468	0.915
E710469	0.006
E710470	6.92
E710471	< 0.005
E710472	0.009
E710473	0.007
E710474	< 0.005
E710475	0.005
E710476	0.037
E710477	0.010
E710478	< 0.005
E710479	< 0.005
E710480	0.005
E710481	0.012
E710482	0.014
E710483	0.016
E710484	0.016
E710485	0.019
E710486	0.207
E710487	1.37
E710488	1.25
E710489	0.254
E710490	2.98
E710491	0.011
E710492	0.009
E710493	0.010
E710494	0.012
E710495	0.021
E710496	0.057
E710497	1.39
E710498	0.569
E710499	0.236
E710500	0.007
E710501	0.350
E710502	1.54
E710503	0.009
E710504	0.012
E710505	0.010
E710506	0.034
E710507	0.008
E710508	0.006

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710509	0.009
E710510	3.29
E710511	0.007
E710512	0.008
E710513	0.010
E710514	0.005
E710515	0.006
E710516	0.007
E710517	0.009
E710518	0.007
E710519	0.009
E710520	< 0.005
E710521	0.013
E710522	0.309
E710523	0.009
E710524	< 0.005
E710525	< 0.005
E710526	< 0.005
E710527	0.008
E710528	0.016
E710529	0.014
E710530	7.78
E710531	0.009
E710532	0.012
E710533	0.019
E710534	0.019
E710535	0.019
E710536	0.016
E710537	0.035
E710538	0.030
E710539	0.030
E710540	< 0.005
E710541	0.011
E710542	0.007
E710543	0.009
E710544	0.007
E710545	0.026
E710546	0.012
E710547	0.005
E710548	0.085
E710549	0.079
E710550	3.04
E710551	0.060
E710552	0.084
E710553	0.028
E710554	0.011
E710555	0.020
E710556	0.032
E710557	0.017

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710558	0.010
E710559	0.010
E710560	< 0.005
E710561	0.007
E710562	0.006
E710563	0.009
E710564	0.207
E710565	0.127
E710566	0.109
E710567	0.030
E710568	0.259
E710569	0.122
E710570	6.88
E710571	0.128
E710572	0.253
E710573	0.011
E710574	0.469
E710575	0.009
E710576	1.16
E710577	0.182
E710578	0.024
E710579	0.054
E710580	< 0.005
E710581	0.031
E710582	0.032
E710583	0.352
E710584	0.066
E710585	0.017
E710586	0.057
OxD108 Meas	0.412
OxD108 Cert	0.414
OxD108 Meas	0.415
OxD108 Cert	0.414
OxD108 Meas	0.403
OxD108 Cert	0.414
OxD108 Meas	0.411
OxD108 Cert	0.414
OxD108 Meas	0.420
OxD108 Cert	0.414
OxD108 Meas	0.422
OxD108 Cert	0.414
SF85 Meas	0.841
SF85 Cert	0.848
SF85 Meas	0.816
SF85 Cert	0.848
SF85 Meas	0.858
SF85 Cert	0.848
SF85 Meas	0.813
SF85 Cert	0.848

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
SF85 Meas	0.854
SF85 Cert	0.848
SF85 Meas	0.859
SF85 Cert	0.848
E710421 Orig	0.017
E710421 Dup	0.016
E710431 Orig	0.017
E710431 Dup	0.017
E710441 Orig	0.020
E710441 Dup	0.021
E710455 Orig	0.008
E710455 Dup	0.008
E710461 Orig	1.45
E710461 Split	1.29
E710465 Orig	0.105
E710465 Dup	0.082
E710475 Orig	0.005
E710475 Dup	< 0.005
E710489 Orig	0.254
E710489 Dup	0.172
E710499 Orig	0.236
E710499 Dup	0.201
E710509 Orig	0.009
E710509 Dup	0.010
E710511 Orig	0.007
E710511 Split	0.007
E710523 Orig	0.009
E710523 Dup	0.009
E710533 Orig	0.019
E710533 Dup	0.019
E710543 Orig	0.009
E710543 Dup	0.007
E710558 Orig	0.010
E710558 Dup	0.009
E710561 Orig	0.007
E710561 Split	0.008
E710568 Orig	0.259
E710568 Dup	0.194
E710578 Orig	0.024
E710578 Dup	0.025
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

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
Method Blank	< 0.005
Method Blank	< 0.005



Date Submitted: 05-Apr-16
Invoice No.: A16-02875
Invoice Date: 08-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

142 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-02875**

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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 long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711777	0.019	
E711778	0.009	
E711779	0.009	
E711780	< 0.005	
E711781	0.009	
E711782	0.009	
E711783	0.068	
E711784	0.035	
E711785	0.011	
E711786	0.056	
E711787	0.625	
E711788	0.265	
E711789	2.82	
E711790	3.12	
E711791	0.033	
E711792	0.381	
E711793	0.193	
E711794	1.32	
E711795	0.021	
E711796	0.021	
E711797	0.009	
E711798	0.007	
E711799	0.010	
E711800	< 0.005	
E711801	0.006	
E711802	0.017	
E711803	> 10.0	61.1
E711804	0.056	
E711805	0.018	
E711806	0.019	
E711807	0.021	
E711808	5.41	
E711809	0.043	
E711810	3.04	
E711811	0.968	
E711812	0.169	
E711813	0.170	
E711814	0.203	
E711815	0.015	
E711816	0.304	
E711817	0.022	
E711818	0.021	
E711819	0.067	
E711820	< 0.005	
E711821	0.013	
E711822	0.030	
E711823	0.238	
E711824	0.053	
E711825	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711826	0.019	
E711827	0.015	
E711828	0.011	
E711829	0.014	
E711830	6.72	
E711831	0.071	
E711832	0.017	
E711833	0.021	
E711834	0.013	
E711835	0.271	
E711836	0.016	
E711837	0.024	
E711838	0.454	
E711839	0.315	
E711840	< 0.005	
E711841	0.014	
E711842	0.013	
E711843	0.015	
E711844	0.007	
E711845	0.015	
E711846	0.016	
E711847	0.015	
E711848	0.011	
E711849	0.015	
E711850	3.13	
E711851	0.042	
E711852	0.013	
E711853	0.018	
E711854	0.010	
E711855	0.009	
E711856	0.012	
E711857	0.011	
E711858	0.068	
E711859	0.030	
E711860	< 0.005	
E711861	0.015	
E711862	0.013	
E711863	0.009	
E711864	0.013	
E711865	0.008	
E711866	0.006	
E711867	0.007	
E711868	0.007	
E711869	0.008	
E711870	6.83	
E711871	0.006	
E711872	0.007	
E711873	0.009	
E711874	0.009	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711875	0.009	
E711876	< 0.005	
E711877	0.007	
E711878	0.008	
E711879	0.008	
E711880	< 0.005	
E711881	0.009	
E711882	0.006	
E711883	0.013	
E711884	0.017	
E711885	0.048	
E711886	0.212	
E711887	1.29	
E711888	0.996	
E711889	0.017	
E711890	3.17	
E711891	0.021	
E711892	0.024	
E711893	0.022	
E711894	0.022	
E711895	0.018	
E711896	0.023	
E711897	0.047	
E711898	0.016	
E711899	0.088	
E711900	< 0.005	
E711493	0.035	
E711494	0.038	
E711495	0.017	
E711496	0.072	
E711497	0.080	
E711498	0.041	
E711499	0.013	
E711500	< 0.005	
E711501	0.009	
E711502	0.010	
E711503	0.036	
E711504	0.014	
E711505	0.011	
E711506	0.013	
E711507	0.016	
E711508	0.005	
E711509	0.006	
E711510	3.14	
OxK94 Meas		3.55
OxK94 Cert		3.56
OxK94 Meas		3.70
OxK94 Cert		3.56
OxP 91 Meas		14.9

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxP 91 Cert		14.82
OxP 91 Meas		15.2
OxP 91 Cert		14.82
OxD108 Meas	0.416	
OxD108 Cert	0.414	
OxD108 Meas	0.414	
OxD108 Cert	0.414	
OxD108 Meas	0.412	
OxD108 Cert	0.414	
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.404	
OxD108 Cert	0.414	
SF85 Meas	0.815	
SF85 Cert	0.848	
SF85 Meas	0.820	
SF85 Cert	0.848	
SF85 Meas	0.846	
SF85 Cert	0.848	
SF85 Meas	0.840	
SF85 Cert	0.848	
SF85 Meas	0.867	
SF85 Cert	0.848	
SF85 Meas	0.839	
SF85 Cert	0.848	
E711786 Orig	0.056	
E711796 Orig	0.021	
E711796 Dup	0.008	
E711806 Orig	0.019	
E711806 Dup	0.019	
E711821 Orig	0.013	
E711821 Dup	0.014	
E711826 Orig	0.019	
E711826 Split	0.025	
E711831 Orig	0.071	
E711841 Orig	0.014	
E711841 Dup	0.013	
E711855 Orig	0.009	
E711855 Dup	0.010	
E711865 Orig	0.008	
E711865 Dup	0.008	
E711875 Orig	0.009	
E711875 Dup	0.008	
E711876 Orig	< 0.005	
E711876 Split	< 0.005	
E711889 Orig	0.017	
E711889 Dup	0.017	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711899 Orig	0.088	
E711501 Orig	0.009	
E711501 Dup	0.008	
E711509 Orig	0.006	
E711509 Dup	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	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 05-Apr-16
Invoice No.: A16-02877
Invoice Date: 09-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

202 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-02877**

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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 overlapping loops and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710587	0.010
E710588	0.011
E710589	0.013
E710590	3.36
E710591	0.030
E710592	0.079
E710593	0.062
E710594	0.045
E710595	0.107
E710596	0.021
E710597	0.013
E710598	0.029
E710599	0.013
E710600	< 0.005
E710601	0.011
E710602	0.005
E710603	0.009
E710604	0.006
E710605	0.006
E710606	< 0.005
E710607	0.006
E710608	0.020
E710609	0.936
E710610	3.22
E710611	0.020
E710612	0.452
E710613	0.132
E710614	0.017
E710615	0.028
E710616	0.005
E710617	0.017
E710618	0.019
E710619	0.006
E710620	< 0.005
E710621	< 0.005
E710622	< 0.005
E710623	< 0.005
E710624	< 0.005
E710625	< 0.005
E710626	< 0.005
E710627	0.045
E710628	0.040
E710629	0.030
E710630	7.67
E710631	0.011
E710632	< 0.005
E710633	< 0.005
E710634	0.037
E710635	0.012

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710636	0.008
E710637	< 0.005
E710638	< 0.005
E710639	0.005
E710640	< 0.005
E710641	0.006
E710642	0.026
E710643	< 0.005
E710644	0.006
E710645	0.005
E710646	< 0.005
E710647	< 0.005
E710648	< 0.005
E710649	< 0.005
E710650	3.30
E710651	< 0.005
E710652	< 0.005
E710653	< 0.005
E710654	0.005
E710655	0.008
E710656	0.018
E710657	0.100
E710658	0.134
E710659	0.120
E710660	< 0.005
E710661	0.017
E710662	0.009
E710663	0.006
E710664	0.028
E710665	0.007
E710666	0.042
E710667	0.007
E710668	0.014
E710669	0.016
E710670	7.65
E710671	0.100
E710672	0.021
E710673	0.072
E710674	0.010
E710675	0.007
E710676	0.012
E710677	0.008
E710678	0.012
E710679	1.04
E710680	< 0.005
E710681	0.042
E710682	1.03
E710683	0.011
E710684	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710685	0.124
E710686	0.013
E710687	0.749
E710688	0.063
E710689	0.078
E710690	3.22
E710691	0.039
E710692	0.018
E710693	0.057
E710694	0.390
E710695	0.053
E710696	0.014
E710697	0.020
E710698	0.017
E710699	0.011
E710700	< 0.005
E710701	0.061
E710702	0.834
E710703	0.023
E710704	0.061
E710705	0.189
E710706	0.673
E710707	1.02
E710708	0.042
E710709	0.348
E710710	3.05
E710711	2.75
E710712	0.032
E710713	0.518
E710714	0.094
E710715	0.469
E710716	0.038
E710717	0.019
E710718	0.082
E710719	0.354
E710720	< 0.005
E710721	0.014
E710722	0.006
E710723	0.007
E710724	0.007
E710725	0.008
E710726	< 0.005
E710727	< 0.005
E710728	0.011
E710729	0.013
E710730	7.24
E710731	0.007
E710732	0.007
E710733	0.016

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710734	0.009
E710735	0.011
E710736	0.034
E710737	0.015
E710738	0.013
E710739	0.123
E710740	< 0.005
E710741	0.124
E710742	0.023
E710743	0.029
E710744	0.010
E710745	0.007
E710746	0.013
E710747	0.014
E710748	0.018
E710749	0.008
E710750	3.21
E710751	< 0.005
E710752	0.010
E710753	0.010
E710754	0.009
E710755	0.006
E711745	0.009
E711746	0.009
E711747	< 0.005
E711748	< 0.005
E711749	0.005
E711750	3.18
E711751	0.008
E711752	0.008
E711753	0.009
E711754	0.009
E711755	0.011
E711756	0.014
E711757	0.007
E711758	0.021
E711759	0.005
E711760	< 0.005
E711761	0.028
E711762	0.007
E711763	0.005
E711764	0.005
E711765	< 0.005
E711766	< 0.005
E711767	< 0.005
E711768	< 0.005
E711769	0.015
E711770	7.00
E711771	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E711772	0.008
E711773	0.007
E711774	0.012
E711775	0.006
E711776	0.005
E739398	0.006
OxD108 Meas	0.390
OxD108 Cert	0.414
OxD108 Meas	0.409
OxD108 Cert	0.414
OxD108 Meas	0.404
OxD108 Cert	0.414
OxD108 Meas	0.408
OxD108 Cert	0.414
OxD108 Meas	0.410
OxD108 Cert	0.414
OxD108 Meas	0.398
OxD108 Cert	0.414
OxD108 Meas	0.397
OxD108 Cert	0.414
SF85 Meas	0.877
SF85 Cert	0.848
SF85 Meas	0.819
SF85 Cert	0.848
SF85 Meas	0.830
SF85 Cert	0.848
SF85 Meas	0.824
SF85 Cert	0.848
SF85 Meas	0.830
SF85 Cert	0.848
SF85 Meas	0.832
SF85 Cert	0.848
SF85 Meas	0.829
SF85 Cert	0.848
E710596 Orig	0.021
E710596 Dup	0.017
E710606 Orig	< 0.005
E710606 Dup	0.006
E710616 Orig	0.005
E710616 Dup	0.005
E710631 Orig	0.011
E710631 Dup	0.012
E710636 Orig	0.008
E710636 Split	0.009
E710641 Orig	0.006
E710641 Dup	0.006
E710651 Orig	< 0.005
E710651 Dup	< 0.005
E710665 Orig	0.007

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E710665 Dup	0.007
E710675 Orig	0.007
E710675 Dup	0.008
E710686 Orig	0.013
E710686 Split	0.012
E710699 Orig	0.011
E710699 Dup	0.013
E710709 Orig	0.348
E710709 Dup	0.375
E710719 Orig	0.354
E710719 Dup	0.335
E710734 Orig	0.009
E710734 Dup	0.009
E710736 Orig	0.034
E710736 Split	0.035
E710744 Orig	0.010
E710744 Dup	0.011
E710754 Orig	0.009
E710754 Dup	0.009
E711757 Orig	0.007
E711757 Dup	0.007
E711767 Orig	< 0.005
E711767 Dup	< 0.005
E711775 Orig	0.006
E711775 Split	0.008
E739398 Orig	0.006
E739398 Dup	0.006
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
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Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005



Date Submitted: 07-Apr-16
Invoice No.: A16-02980
Invoice Date: 14-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

232 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-02980**

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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 long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724537	0.012
E724538	0.009
E724539	0.007
E724540	0.008
E724541	2.65
E724542	0.082
E724543	0.058
E724544	0.012
E724545	0.012
E724546	0.063
E724547	0.926
E724548	0.026
E724549	0.034
E724550	3.46
E724551	0.064
E724552	0.010
E724553	0.024
E724554	0.015
E724555	0.020
E724556	2.54
E724557	0.009
E724558	0.016
E724559	0.013
E724560	< 0.005
E724561	< 0.005
E724562	0.008
E724563	0.009
E724564	0.019
E724565	0.011
E724566	0.011
E724567	< 0.005
E724568	< 0.005
E724569	0.009
E724570	7.51
E724571	0.012
E724572	0.010
E724573	0.007
E724574	0.013
E724575	0.028
E724576	0.098
E724577	0.668
E724578	0.053
E724579	0.276
E724580	< 0.005
E724581	0.174
E724582	0.006
E724583	0.006
E724584	< 0.005
E724585	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724586	< 0.005
E724587	0.018
E724588	0.007
E724589	0.014
E724590	3.32
E724591	< 0.005
E724592	0.005
E724593	0.005
E724594	0.105
E724595	0.005
E724596	0.005
E724597	0.021
E724598	0.203
E724599	0.008
E724600	< 0.005
E724601	0.007
E724602	0.009
E724603	0.008
E724604	0.008
E724605	0.008
E724606	0.009
E724607	0.023
E724608	0.013
E724609	0.010
E724610	2.96
E724611	0.017
E724612	0.031
E724613	0.015
E724614	0.006
E724615	0.012
E724616	0.013
E724617	0.512
E724618	0.275
E724619	0.353
E724620	< 0.005
E724621	0.873
E724622	0.330
E724623	0.408
E724624	0.039
E724625	0.567
E724626	0.017
E724627	0.011
E724628	0.006
E724629	0.013
E724630	6.95
E724631	0.214
E724632	0.023
E724633	0.018
E724634	0.009

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724635	0.009
E724636	1.14
E724637	0.006
E724638	0.011
E724639	0.005
E724640	< 0.005
E724641	0.010
E724642	0.005
E724643	0.008
E724644	0.009
E724645	0.013
E724646	0.027
E724647	0.089
E724648	0.012
E724649	0.024
E724650	2.95
E724651	0.067
E724652	0.063
E724653	0.034
E724654	0.036
E724655	0.014
E724656	0.063
E724657	0.027
E724658	0.393
E724659	0.589
E724660	0.005
E724661	0.049
E724662	0.100
E724663	0.029
E724664	0.122
E724665	0.010
E724666	0.012
E724667	0.020
E724668	0.012
E724669	0.016
E724670	7.63
E724671	0.098
E724672	0.033
E724673	0.010
E724674	0.015
E724675	0.013
E724676	0.011
E724677	0.015
E724678	0.008
E724679	0.029
E724680	< 0.005
E724681	0.025
E724682	0.034
E724683	0.012

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724684	0.018
E724685	0.018
E724686	0.012
E724687	0.012
E724688	0.015
E724689	0.014
E724690	3.38
E724691	0.012
E724692	0.013
E724693	0.013
E724694	0.016
E724695	0.021
E724696	0.084
E724697	0.066
E724698	0.543
E724699	0.046
E724700	< 0.005
E724701	0.078
E724702	0.433
E724703	0.235
E724704	0.134
E724705	0.962
E724706	0.606
E724707	0.053
E724708	0.127
E724709	0.452
E724710	3.16
E724711	0.035
E724712	0.039
E724713	0.024
E724714	0.024
E724715	0.009
E724716	0.022
E724717	0.012
E724718	0.169
E724719	0.012
E724720	< 0.005
E724721	0.011
E724722	0.014
E724723	0.119
E724724	0.078
E724725	1.18
E724726	0.347
E724727	0.109
E724728	0.140
E724729	0.106
E724730	6.76
E724731	1.14
E724732	0.045

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724733	0.031
E724734	0.026
E724735	0.022
E724736	0.067
E724737	0.019
E724738	0.016
E724739	0.251
E724740	< 0.005
E724741	1.30
E724742	0.368
E724743	0.016
E724744	0.024
E724745	0.032
E724746	0.255
E724747	0.170
E724748	0.084
E724749	0.351
E724750	3.07
E724751	0.041
E724752	0.221
E724753	1.07
E724754	3.73
E724755	0.044
E724756	0.103
E724757	0.761
E724758	0.056
E724759	1.24
E724760	< 0.005
E724761	0.020
E724762	0.017
E724763	0.033
E724764	0.184
E724765	0.016
E724766	0.047
E724767	0.182
E724768	0.072
OxD108 Meas	0.404
OxD108 Cert	0.414
OxD108 Meas	0.406
OxD108 Cert	0.414
OxD108 Meas	0.397
OxD108 Cert	0.414
OxD108 Meas	0.403
OxD108 Cert	0.414
OxD108 Meas	0.398
OxD108 Cert	0.414
OxD108 Meas	0.420
OxD108 Cert	0.414
OxD108 Meas	0.406

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OxD108 Cert	0.414
OxD108 Meas	0.412
OxD108 Cert	0.414
SF85 Meas	0.819
SF85 Cert	0.848
SF85 Meas	0.813
SF85 Cert	0.848
SF85 Meas	0.830
SF85 Cert	0.848
SF85 Meas	0.819
SF85 Cert	0.848
SF85 Meas	0.836
SF85 Cert	0.848
SF85 Meas	0.844
SF85 Cert	0.848
SF85 Meas	0.812
SF85 Cert	0.848
E724556 Orig	2.54
E724556 Dup	2.39
E724566 Orig	0.011
E724566 Dup	0.009
E724581 Orig	0.174
E724581 Dup	0.160
E724586 Orig	< 0.005
E724586 Split	0.006
E724591 Orig	< 0.005
E724591 Dup	< 0.005
E724601 Orig	0.007
E724601 Dup	0.007
E724615 Orig	0.012
E724615 Dup	0.009
E724625 Orig	0.567
E724625 Dup	0.507
E724635 Orig	0.009
E724635 Dup	0.009
E724636 Orig	1.14
E724636 Split	1.13
E724649 Orig	0.024
E724649 Dup	0.017
E724669 Orig	0.016
E724669 Dup	0.018
E724684 Orig	0.018
E724684 Dup	0.012
E724686 Orig	0.012
E724686 Split	0.011
E724694 Orig	0.016
E724694 Dup	0.017
E724704 Orig	0.134
E724704 Dup	0.090

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724718 Orig	0.169
E724718 Dup	0.208
E724728 Orig	0.140
E724728 Dup	0.118
E724736 Orig	0.067
E724736 Split	0.056
E724738 Orig	0.016
E724738 Dup	0.016
E724752 Orig	0.221
E724752 Dup	0.287
E724762 Orig	0.017
E724762 Dup	0.015
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
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Method Blank	< 0.005



Date Submitted: 07-Apr-16
Invoice No.: A16-02981
Invoice Date: 13-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

157 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-02981**

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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 in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711667	0.132	
E711668	0.051	
E711669	0.062	
E711670	8.84	
E711671	0.030	
E711672	6.64	
E711673	1.37	
E711674	0.085	
E711675	3.55	
E711676	9.99	10.3
E711677	8.03	
E711678	> 10.0	16.8
E711679	1.53	
E711680	0.005	
E711681	3.02	
E711682	0.034	
E711683	> 10.0	13.8
E711684	0.524	
E711685	0.038	
E711686	0.013	
E711687	0.056	
E711688	0.172	
E711689	0.009	
E711690	3.41	
E711691	0.010	
E711692	0.015	
E711693	0.032	
E711694	0.121	
E711695	0.017	
E711696	0.009	
E711697	0.013	
E711698	0.089	
E711699	0.024	
E711700	< 0.005	
E711701	0.021	
E711702	0.007	
E711703	0.005	
E711704	0.006	
E711705	0.010	
E711706	0.138	
E711707	< 0.005	
E711708	0.013	
E711709	< 0.005	
E711710	3.46	
E711711	0.023	
E711712	0.073	
E711713	0.029	
E711714	0.280	
E711715	0.170	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711716	0.861	
E711717	0.320	
E711718	0.286	
E711719	1.95	
E711720	< 0.005	
E711721	0.250	
E711722	0.473	
E711723	0.286	
E711724	0.030	
E711725	0.190	
E711726	0.520	
E711727	0.089	
E711728	0.271	
E711729	0.505	
E711730	7.12	
E711731	0.104	
E711732	0.130	
E711733	0.217	
E711734	0.112	
E711735	0.035	
E711736	0.011	
E711737	0.019	
E711738	< 0.005	
E711739	< 0.005	
E711740	< 0.005	
E711741	< 0.005	
E711742	< 0.005	
E711743	< 0.005	
E711744	< 0.005	
E724458	0.029	
E724459	0.021	
E724460	< 0.005	
E724461	0.020	
E724462	0.021	
E724463	0.009	
E724464	0.018	
E724465	0.011	
E724466	0.024	
E724467	0.042	
E724468	0.019	
E724469	0.061	
E724470	8.16	
E724471	0.021	
E724472	0.098	
E724473	0.238	
E724474	0.029	
E724475	0.032	
E724476	0.017	
E724477	0.368	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E724478	0.361	
E724479	0.019	
E724480	< 0.005	
E724481	0.034	
E724482	0.020	
E724483	0.367	
E724484	0.092	
E724485	0.077	
E724486	0.020	
E724487	0.019	
E724488	0.068	
E724489	0.028	
E724490	3.19	
E724491	0.170	
E724492	0.018	
E724493	0.083	
E724494	0.012	
E724495	0.048	
E724496	0.072	
E724497	0.022	
E724498	0.105	
E724499	0.042	
E724500	< 0.005	
E724501	0.026	
E724502	0.006	
E724503	< 0.005	
E724504	0.008	
E724505	0.025	
E724506	0.015	
E724507	0.027	
E724508	0.026	
E724509	< 0.005	
E724510	7.84	
E724511	< 0.005	
E724512	0.013	
E724513	< 0.005	
E724514	0.017	
E724515	0.012	
E724516	0.010	
E724517	< 0.005	
E724518	0.008	
E724519	0.065	
E724520	< 0.005	
E724521	0.014	
E724522	0.020	
E724523	0.032	
E724524	0.027	
E724525	0.167	
E724526	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E724527	0.037	
E724528	0.013	
E724529	0.009	
E724530	7.43	
E724531	0.008	
E724532	0.011	
E724533	0.016	
E724534	0.029	
E724535	0.024	
E724536	0.030	
OxK94 Meas		3.50
OxK94 Cert		3.56
OxP 91 Meas		14.9
OxP 91 Cert		14.82
OxD108 Meas	0.413	
OxD108 Cert	0.414	
OxD108 Meas	0.423	
OxD108 Cert	0.414	
OxD108 Meas	0.408	
OxD108 Cert	0.414	
OxD108 Meas	0.436	
OxD108 Cert	0.414	
OxD108 Meas	0.407	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
SF85 Meas	0.816	
SF85 Cert	0.848	
SF85 Meas	0.821	
SF85 Cert	0.848	
SF85 Meas	0.850	
SF85 Cert	0.848	
SF85 Meas	0.820	
SF85 Cert	0.848	
SF85 Meas	0.820	
SF85 Cert	0.848	
SF85 Meas	0.831	
SF85 Cert	0.848	
E711676 Orig	9.99	
E711676 Dup	> 10.0	
E711686 Orig	0.013	
E711686 Dup	0.011	
E711696 Orig	0.009	
E711696 Dup	0.008	
E711711 Orig	0.023	
E711711 Dup	0.035	
E711716 Orig	0.861	
E711716 Split	0.747	
E711721 Orig	0.250	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E711721 Dup	0.257	
E711731 Orig	0.104	
E711731 Dup	0.135	
E724458 Orig	0.029	
E724458 Dup	0.025	
E724468 Orig	0.019	
E724468 Dup	0.023	
E724479 Orig	0.019	
E724479 Split	0.018	
E724492 Orig	0.018	
E724492 Dup	0.017	
E724502 Orig	0.006	
E724502 Dup	0.005	
E724512 Orig	0.013	
E724512 Dup	0.012	
E724527 Orig	0.037	
E724527 Dup	0.046	
E724529 Orig	0.009	
E724529 Split	0.010	
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	
Method Blank		< 0.03



Date Submitted: 08-Apr-16
Invoice No.: A16-03004
Invoice Date: 15-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

184 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-03004**

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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 "Elitsa Hrischeva". The signature is written in a cursive style with a horizontal line underneath.

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724769	0.044
E724770	7.32
E724771	0.022
E724772	0.051
E724773	0.019
E724774	0.051
E724775	0.245
E724776	1.83
E724777	3.77
E724778	0.140
E724779	0.049
E724780	< 0.005
E724781	1.52
E724782	0.734
E724783	0.770
E724784	9.04
E724785	0.967
E724786	1.30
E724787	0.167
E724788	0.621
E724789	0.018
E724790	3.22
E724791	0.081
E724792	0.123
E724793	1.54
E724794	0.089
E724795	0.103
E724796	0.223
E724797	0.632
E724798	0.339
E724799	0.070
E724800	< 0.005
E724801	0.319
E724802	1.70
E724803	0.313
E724804	0.016
E724805	0.584
E724806	1.41
E724807	0.124
E724808	5.59
E724809	0.194
E724810	2.99
E724811	0.068
E724812	0.019
E724813	0.010
E724814	0.012
E724815	0.011
E724816	0.020
E724817	0.017

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724818	0.011
E724819	0.008
E724820	< 0.005
E724821	0.006
E724822	0.006
E724823	0.007
E724824	0.007
E724825	0.007
E724826	0.012
E724827	0.011
E724828	0.008
E724829	0.008
E724830	7.35
E724831	0.008
E724832	0.009
E724833	0.008
E724834	0.011
E724835	0.010
E724836	0.006
E724837	0.017
E724838	0.012
E724839	0.018
E724840	< 0.005
E724841	0.017
E724842	0.006
E724843	0.009
E724844	0.020
E724845	0.009
E724846	0.008
E724847	0.137
E724848	0.060
E724849	1.50
E724850	2.95
E724851	0.229
E724852	0.837
E724853	0.015
E724854	0.082
E724855	0.265
E724856	0.013
E724857	0.029
E724858	0.043
E724859	0.397
E724860	< 0.005
E724861	0.013
E724862	0.010
E724863	0.015
E724864	0.013
E724865	0.025
E724866	1.77

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724867	1.66
E724868	0.015
E724869	0.080
E724870	7.40
E724871	0.011
E724872	0.014
E724873	0.011
E724874	0.007
E724875	0.031
E724876	0.015
E724877	0.005
E724878	0.007
E724879	0.005
E724880	< 0.005
E724881	0.006
E724882	< 0.005
E724883	0.010
E724884	< 0.005
E724885	0.014
E724886	0.022
E724887	0.015
E724888	0.053
E724889	0.022
E724890	2.98
E724891	0.009
E724892	< 0.005
E724893	0.005
E724894	0.009
E724895	0.028
E724896	0.015
E724897	0.009
E724898	0.011
E724899	0.031
E724900	< 0.005
E724901	0.231
E724902	0.012
E724903	0.011
E724904	0.026
E724905	0.014
E724906	0.014
E724907	0.049
E724908	0.019
E724909	0.015
E724910	3.22
E724911	0.011
E724912	0.014
E724913	0.007
E724914	< 0.005
E724915	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724916	0.037
E724917	0.029
E724918	0.027
E724919	< 0.005
E724920	< 0.005
E724921	< 0.005
E724922	< 0.005
E724923	0.006
E724924	< 0.005
E724925	< 0.005
E724926	< 0.005
E724927	< 0.005
E724928	< 0.005
E724929	< 0.005
E724930	7.35
E724931	< 0.005
E724932	< 0.005
E724933	< 0.005
E724934	< 0.005
E724935	0.005
E724936	0.006
E724937	< 0.005
E724938	< 0.005
E724939	< 0.005
E724940	< 0.005
E724941	0.007
E724942	< 0.005
E724943	0.005
E724944	0.009
E724945	0.017
E724946	0.013
E724947	0.035
E724948	0.039
E724949	< 0.005
E724950	3.28
E724951	< 0.005
E724952	0.006
OxD108 Meas	0.398
OxD108 Cert	0.414
OxD108 Meas	0.414
OxD108 Cert	0.414
OxD108 Meas	0.414
OxD108 Cert	0.414
OxD108 Meas	0.408
OxD108 Cert	0.414
OxD108 Meas	0.398
OxD108 Cert	0.414
OxD108 Meas	0.399
OxD108 Cert	0.414

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OxD108 Meas	0.408
OxD108 Cert	0.414
SF85 Meas	0.823
SF85 Cert	0.848
SF85 Meas	0.827
SF85 Cert	0.848
SF85 Meas	0.829
SF85 Cert	0.848
SF85 Meas	0.821
SF85 Cert	0.848
SF85 Meas	0.812
SF85 Cert	0.848
SF85 Meas	0.830
SF85 Cert	0.848
SF85 Meas	0.815
SF85 Cert	0.848
E724778 Orig	0.140
E724778 Dup	0.157
E724788 Orig	0.621
E724788 Dup	0.723
E724798 Orig	0.339
E724798 Dup	0.379
E724813 Orig	0.010
E724813 Dup	0.011
E724818 Orig	0.011
E724818 Split	0.010
E724823 Orig	0.007
E724823 Dup	0.007
E724833 Orig	0.008
E724833 Dup	0.008
E724847 Orig	0.137
E724847 Dup	0.103
E724857 Orig	0.029
E724857 Dup	0.026
E724867 Orig	1.66
E724867 Dup	1.67
E724868 Orig	0.015
E724868 Split	0.015
E724881 Orig	0.006
E724881 Dup	< 0.005
E724891 Orig	0.009
E724891 Dup	0.009
E724901 Orig	0.231
E724901 Dup	0.211
E724916 Orig	0.037
E724916 Dup	0.031
E724918 Orig	0.027
E724918 Split	0.021
E724926 Orig	< 0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E724926 Dup	< 0.005
E724936 Orig	0.006
E724936 Dup	0.006
E724949 Orig	< 0.005
E724949 Dup	< 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
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005



Date Submitted: 09-Apr-16
Invoice No.: A16-03037
Invoice Date: 18-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

162 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-03037**

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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 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E716882	0.016	
E716883	0.010	
E716884	0.014	
E716885	0.015	
E716886	0.009	
E716887	0.007	
E716888	< 0.005	
E716889	< 0.005	
E716890	3.24	
E716891	0.009	
E716892	0.008	
E716893	< 0.005	
E716894	< 0.005	
E716895	< 0.005	
E716896	0.008	
E716897	< 0.005	
E716898	0.008	
E716899	0.005	
E716900	< 0.005	
E725367	< 0.005	
E725368	< 0.005	
E725369	< 0.005	
E725370	8.15	
E725371	0.005	
E725372	< 0.005	
E725373	< 0.005	
E725374	< 0.005	
E725375	0.006	
E725376	< 0.005	
E725377	< 0.005	
E725378	< 0.005	
E725379	0.005	
E725380	< 0.005	
E725381	< 0.005	
E725382	< 0.005	
E725383	< 0.005	
E725384	< 0.005	
E725385	< 0.005	
E725386	0.226	
E725387	0.008	
E725388	< 0.005	
E725389	< 0.005	
E725390	2.89	
E725391	< 0.005	
E725392	< 0.005	
E725393	< 0.005	
E725394	0.015	
E725395	0.011	
E725396	0.014	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E725397	0.012	
E725398	0.013	
E725399	0.014	
E725400	< 0.005	
E721876	0.008	
E721877	0.021	
E721878	0.239	
E721879	0.128	
E721880	< 0.005	
E721881	0.499	
E721882	0.095	
E721883	0.006	
E721884	0.007	
E721885	0.006	
E721886	0.018	
E721887	0.009	
E721888	0.203	
E721889	0.267	
E721890	2.83	
E721891	0.028	
E721892	0.120	
E721893	0.135	
E721894	0.045	
E721895	0.008	
E721896	0.018	
E721897	0.095	
E721898	0.044	
E721899	0.169	
E721900	< 0.005	
E725956	0.050	
E725957	0.047	
E725958	0.063	
E725959	0.009	
E725960	< 0.005	
E725961	0.025	
E725962	0.013	
E725963	0.005	
E725964	0.006	
E726644	0.078	
E726645	0.155	
E726646	1.11	
E726647	4.11	
E726648	0.016	
E726649	0.009	
E726650	3.40	
E726651	0.030	
E726652	0.015	
E726653	0.105	
E726654	0.318	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726655	0.198	
E726656	0.082	
E726657	0.026	
E726658	0.056	
E726659	0.098	
E726660	0.008	
E726661	0.299	
E726662	0.010	
E726663	< 0.005	
E726664	< 0.005	
E726665	< 0.005	
E709052	0.005	
E709053	0.014	
E709054	> 10.0	10.6
E709055	0.060	
E709056	0.079	
E709057	0.012	
E709058	1.33	
E709059	0.021	
E709060	< 0.005	
E709061	0.006	
E709062	3.59	
E709063	0.672	
E709064	0.005	
E709065	< 0.005	
E709066	< 0.005	
E709067	0.327	
E709068	0.363	
E709069	0.343	
E709070	6.78	
E709071	0.440	
E709072	1.09	
E709073	0.195	
E709074	3.29	
E709075	0.422	
E709076	0.286	
E709077	0.037	
E709078	0.671	
E709079	0.020	
E709080	< 0.005	
E709081	0.070	
E709082	0.129	
E709083	0.102	
E709084	0.194	
E709085	0.220	
E709086	0.310	
E709087	1.60	
E709088	0.278	
E709089	0.011	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709090	3.21	
E709091	0.114	
E709092	0.111	
E709093	0.745	
E709094	3.17	
E709095	1.71	
E709096	2.07	
E709097	2.28	
E709098	4.99	
E709099	3.00	
E709100	0.006	
E709101	0.230	
E709102	0.906	
E709103	0.008	
E709104	0.006	
OxK94 Meas		3.60
OxK94 Cert		3.56
OxD108 Meas	0.411	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.403	
OxD108 Cert	0.414	
OxD108 Meas	0.436	
OxD108 Cert	0.414	
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxP91 Meas		14.9
OxP91 Cert		14.82
SF85 Meas	0.818	
SF85 Cert	0.848	
SF85 Meas	0.856	
SF85 Cert	0.848	
SF85 Meas	0.812	
SF85 Cert	0.848	
E716891 Orig	0.009	
E716891 Dup	0.006	
E725367 Orig	< 0.005	
E725367 Dup	< 0.005	
E725377 Orig	< 0.005	
E725377 Dup	< 0.005	
E725392 Orig	< 0.005	
E725392 Dup	< 0.005	
E725397 Orig	0.012	
E725397 Split	0.011	
E721877 Orig	0.021	
E721877 Dup	0.018	
E721887 Orig	0.009	
E721887 Dup	0.009	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E725956 Orig	0.050	
E725956 Dup	0.043	
E726645 Orig	0.155	
E726645 Dup	0.141	
E726655 Orig	0.198	
E726655 Dup	0.220	
E726656 Orig	0.082	
E726656 Split	0.107	
E709055 Orig	0.060	
E709065 Orig	< 0.005	
E709065 Dup	< 0.005	
E709075 Orig	0.422	
E709075 Dup	0.453	
E709091 Orig	0.114	
E709091 Dup	0.098	
E709100 Orig	0.006	
E709100 Dup	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	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 11-Apr-16
Invoice No.: A16-03058
Invoice Date: 19-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

206 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-03058**

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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 and somewhat cursive, with a horizontal line underneath it.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726085	0.062	
E726086	0.020	
E726087	0.009	
E726088	0.098	
E726089	0.068	
E726090	3.08	
E726091	0.093	
E726092	0.742	
E726093	2.65	
E726094	0.081	
E726095	0.060	
E726096	> 10.0	18.3
E726097	> 10.0	13.9
E726098	> 10.0	11.3
E726099	> 10.0	11.0
E726100	0.005	
E726101	> 10.0	26.7
E726102	2.05	
E726103	0.015	
E726104	0.009	
E726105	0.019	
E726106	0.028	
E726107	0.049	
E726108	0.139	
E726109	0.578	
E726110	2.95	
E726111	0.819	
E726112	0.713	
E726113	0.041	
E726114	0.057	
E726115	0.010	
E726116	0.029	
E726117	0.193	
E726118	0.132	
E726119	0.270	
E726120	< 0.005	
E726121	0.044	
E726122	0.176	
E726123	0.052	
E726124	0.073	
E726125	0.310	
E726126	0.181	
E726127	0.333	
E726128	0.032	
E726129	0.067	
E726130	6.69	
E726131	0.253	
E726132	0.715	
E726133	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726134	0.038	
E726135	0.137	
E726136	0.027	
E726137	0.024	
E726138	0.075	
E726139	0.057	
E726140	0.012	
E726141	0.806	
E726142	0.083	
E726143	0.034	
E726144	0.011	
E726145	0.009	
E726146	0.019	
E726147	2.18	
E726148	0.009	
E726149	0.008	
E726150	3.04	
E726151	0.007	
E726152	< 0.005	
E726153	< 0.005	
E726154	0.005	
E726155	0.006	
E726156	0.006	
E726157	0.005	
E726158	0.006	
E726159	< 0.005	
E726160	< 0.005	
E726161	0.005	
E726162	0.006	
E726163	0.005	
E726164	0.005	
E726165	< 0.005	
E726166	0.009	
E726167	0.007	
E726168	0.011	
E726169	0.008	
E726170	7.49	
E726171	0.007	
E726172	0.009	
E726173	0.006	
E726174	0.007	
E726175	0.006	
E726176	0.010	
E726177	0.005	
E726178	0.006	
E726179	0.005	
E726180	< 0.005	
E726181	0.014	
E726182	0.010	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726183	0.008	
E726184	0.006	
E726185	0.006	
E726186	0.005	
E726187	0.006	
E726188	< 0.005	
E726189	< 0.005	
E726190	2.91	
E726191	< 0.005	
E726192	0.008	
E726193	0.005	
E726194	0.005	
E726195	< 0.005	
E726196	< 0.005	
E726197	< 0.005	
E726198	< 0.005	
E726199	0.005	
E726200	0.007	
E726201	< 0.005	
E726202	< 0.005	
E726203	< 0.005	
E726204	0.010	
E726205	0.013	
E726206	0.009	
E726207	0.010	
E726208	0.008	
E726209	0.007	
E726210	2.88	
E726211	0.007	
E726212	0.007	
E726213	0.009	
E726214	0.005	
E726215	0.005	
E726216	0.007	
E726217	0.009	
E726218	0.010	
E726219	0.009	
E726220	< 0.005	
E726221	0.010	
E726222	0.011	
E726223	0.010	
E726224	0.013	
E726225	0.012	
E726226	0.010	
E726227	0.006	
E726228	0.045	
E726229	0.017	
E726230	7.56	
E726231	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726232	0.014	
E726233	0.005	
E726234	0.005	
E726235	0.020	
E726236	0.005	
E726237	0.177	
E726238	0.232	
E726239	0.016	
E726240	< 0.005	
E726241	0.005	
E726242	< 0.005	
E726243	< 0.005	
E726244	0.005	
E726245	< 0.005	
E726246	< 0.005	
E726247	0.005	
E726248	< 0.005	
E726249	0.005	
E726250	3.20	
E726251	0.005	
E726252	< 0.005	
E726253	< 0.005	
E726254	0.017	
E726255	0.022	
E726256	0.022	
E726257	0.014	
E726258	< 0.005	
E726259	< 0.005	
E726260	< 0.005	
E726261	0.009	
E726262	< 0.005	
E726263	0.045	
E726264	0.014	
E726265	0.012	
E726266	0.005	
E726267	0.010	
E726268	0.010	
E726269	0.045	
E726270	7.23	
E726271	0.009	
E726272	0.952	
E726273	0.037	
E726274	0.031	
E726275	0.020	
E726276	0.048	
E726277	0.007	
E726278	< 0.005	
E726279	< 0.005	
E726280	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726281	< 0.005	
E726282	< 0.005	
E726283	< 0.005	
E726284	< 0.005	
E726285	< 0.005	
E726286	< 0.005	
E726287	< 0.005	
E726288	< 0.005	
E726289	< 0.005	
E726290	3.10	
OxK94 Meas		3.51
OxK94 Cert		3.56
OxD108 Meas	0.409	
OxD108 Cert	0.414	
OxD108 Meas	0.404	
OxD108 Cert	0.414	
OxD108 Meas	0.425	
OxD108 Cert	0.414	
OxD108 Meas	0.409	
OxD108 Cert	0.414	
OxD108 Meas	0.400	
OxD108 Cert	0.414	
OxD108 Meas	0.407	
OxD108 Cert	0.414	
OxP91 Meas		15.0
OxP91 Cert		14.82
SF85 Meas	0.848	
SF85 Cert	0.848	
SF85 Meas	0.819	
SF85 Cert	0.848	
SF85 Meas	0.868	
SF85 Cert	0.848	
SF85 Meas	0.824	
SF85 Cert	0.848	
SF85 Meas	0.831	
SF85 Cert	0.848	
E726094 Orig	0.081	
E726094 Dup	0.074	
E726104 Orig	0.009	
E726104 Dup	0.009	
E726129 Orig	0.067	
E726129 Dup	0.074	
E726134 Orig	0.038	
E726134 Split	0.036	
E726139 Orig	0.057	
E726139 Dup	0.051	
E726149 Orig	0.008	
E726149 Dup	0.008	
E726163 Orig	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726163 Dup	0.005	
E726173 Orig	0.006	
E726173 Dup	0.007	
E726183 Orig	0.008	
E726183 Dup	0.008	
E726184 Orig	0.006	
E726184 Split	0.007	
E726197 Orig	< 0.005	
E726197 Dup	< 0.005	
E726207 Orig	0.010	
E726207 Dup	0.009	
E726217 Orig	0.009	
E726217 Dup	0.009	
E726232 Orig	0.014	
E726232 Dup	0.012	
E726234 Orig	0.005	
E726234 Split	0.006	
E726242 Orig	< 0.005	
E726242 Dup	< 0.005	
E726252 Orig	< 0.005	
E726252 Dup	< 0.005	
E726266 Orig	0.005	
E726266 Dup	< 0.005	
E726284 Orig	< 0.005	
E726284 Split	< 0.005	
E726286 Orig	< 0.005	
E726286 Dup	< 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	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 13-Apr-16
Invoice No.: A16-03189
Invoice Date: 20-Apr-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

152 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-03189**

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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 long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726291	0.016	
E726292	0.019	
E726293	0.058	
E726294	0.013	
E726295	0.083	
E726296	0.012	
E726297	0.018	
E726298	0.535	
E726299	0.005	
E726300	< 0.005	
E726301	< 0.005	
E726302	< 0.005	
E726303	< 0.005	
E726304	< 0.005	
E726305	< 0.005	
E726306	< 0.005	
E726408	< 0.005	
E726409	< 0.005	
E726410	3.13	
E726411	< 0.005	
E726412	0.007	
E726413	0.012	
E726414	0.013	
E726415	0.026	
E726416	0.051	
E726417	0.019	
E726418	0.008	
E726419	0.059	
E726420	< 0.005	
E726421	0.014	
E726422	0.028	
E726423	0.005	
E726424	< 0.005	
E726425	0.599	
E726426	0.007	
E726427	0.044	
E726428	0.345	
E726429	0.763	
E726430	7.69	
E726431	< 0.005	
E726432	< 0.005	
E726433	< 0.005	
E726434	< 0.005	
E726435	0.008	
E726436	0.009	
E726437	0.237	
E726438	0.144	
E726439	0.040	
E726440	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726441	0.015	
E726442	< 0.005	
E726443	< 0.005	
E726444	0.013	
E726445	0.006	
E726446	< 0.005	
E726447	< 0.005	
E726448	0.012	
E726449	0.005	
E726450	3.08	
E726451	< 0.005	
E726452	< 0.005	
E726453	< 0.005	
E726454	0.012	
E726455	< 0.005	
E726456	0.043	
E726457	< 0.005	
E726458	< 0.005	
E726459	0.035	
E726460	< 0.005	
E726461	0.013	
E726462	0.143	
E726463	0.378	
E726464	0.495	
E726465	9.20	
E726466	> 10.0	34.9
E726467	2.32	
E726468	0.020	
E726469	0.005	
E726470	7.14	
E726471	0.007	
E726472	0.018	
E726473	0.311	
E726474	0.024	
E726475	0.016	
E726476	0.019	
E726477	0.018	
E726478	0.030	
E726479	0.234	
E726480	< 0.005	
E726481	0.065	
E726482	0.132	
E726483	0.138	
E726484	0.225	
E726485	3.74	
E726486	5.84	
E726487	4.76	
E726488	> 10.0	44.8
E726489	3.66	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726490	3.54	
E726491	5.84	
E726492	0.357	
E726493	0.016	
E726494	0.028	
E726495	0.092	
E726496	3.34	
E726497	> 10.0	42.5
E726498	> 10.0	20.7
E726499	0.256	
E726500	0.005	
E726501	> 10.0	15.1
E726502	6.52	
E726503	0.411	
E726504	0.065	
E726505	0.028	
E726506	0.016	
E726507	0.013	
E726508	0.005	
E726509	0.011	
E726510	3.05	
E726511	0.011	
E726512	0.014	
E726513	0.565	
E726514	0.161	
E726515	0.025	
E726516	0.371	
E726517	0.108	
E726518	0.226	
E726519	0.036	
E726520	< 0.005	
E726521	0.013	
E726522	0.026	
E726523	0.016	
E726524	0.025	
E726525	0.006	
E726526	0.009	
E726527	0.025	
E726528	0.010	
E726529	0.006	
E726530	7.14	
E726531	0.012	
E726532	< 0.005	
E726533	< 0.005	
E726534	< 0.005	
E726535	0.039	
E726536	0.005	
E726537	0.024	
E726538	0.059	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726539	0.043	
E726540	< 0.005	
E726541	0.032	
E726542	0.041	
E726543	0.306	
OxK94 Meas		3.54
OxK94 Cert		3.56
OxP 91 Meas		15.1
OxP 91 Cert		14.82
OxD108 Meas	0.401	
OxD108 Cert	0.414	
OxD108 Meas	0.402	
OxD108 Cert	0.414	
OxD108 Meas	0.392	
OxD108 Cert	0.414	
OxD108 Meas	0.395	
OxD108 Cert	0.414	
OxD108 Meas	0.406	
OxD108 Cert	0.414	
SF85 Meas	0.837	
SF85 Cert	0.848	
SF85 Meas	0.813	
SF85 Cert	0.848	
SF85 Meas	0.816	
SF85 Cert	0.848	
SF85 Meas	0.814	
SF85 Cert	0.848	
E726300 Orig	< 0.005	
E726300 Dup	< 0.005	
E726411 Orig	< 0.005	
E726411 Dup	< 0.005	
E726421 Orig	0.014	
E726421 Dup	0.014	
E726436 Orig	0.009	
E726436 Dup	0.008	
E726441 Orig	0.015	
E726441 Split	0.020	
E726446 Orig	< 0.005	
E726446 Dup	< 0.005	
E726456 Orig	0.043	
E726456 Dup	0.010	
E726469 Orig	0.005	
E726469 Dup	< 0.005	
E726480 Orig	< 0.005	
E726480 Dup	< 0.005	
E726486 Orig	5.84	
E726486 Dup	6.03	
E726491 Orig	5.84	
E726491 Split	5.46	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E726504 Orig	0.065	
E726504 Dup	0.059	
E726514 Orig	0.161	
E726514 Dup	0.170	
E726524 Orig	0.025	
E726524 Dup	0.024	
E726541 Orig	0.032	
E726541 Split	0.035	
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	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03



Date Submitted: 02-May-16
Invoice No.: A16-03820
Invoice Date: 11-May-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

132 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-03820**

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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 'M'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E744869	0.007	
E744870	7.57	
E744871	0.024	
E744872	0.023	
E744873	0.175	
E744874	0.018	
E744875	0.197	
E744876	0.315	
E744877	0.177	
E744878	0.053	
E744879	0.104	
E744880	0.009	
E744881	0.005	
E744882	0.005	
E744883	0.007	
E744884	0.027	
E744885	0.037	
E744886	0.033	
E744887	0.277	
E744888	0.019	
E744889	0.053	
E744891	0.439	
E744892	0.071	
E744893	0.006	
E744894	0.015	
E744895	0.023	
E744896	0.014	
E744897	0.025	
E744898	0.075	
E744899	0.028	
E744900	0.005	
E744901	0.021	
E744902	0.020	
E744903	0.010	
E744904	< 0.005	
E744905	0.008	
E744906	0.032	
E744907	0.010	
E744908	0.005	
E744909	0.005	
E744911	0.008	
E744912	0.013	
E744913	0.010	
E744914	0.016	
E744915	0.138	
E744916	0.044	
E744917	0.013	
E744918	0.031	
E744919	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E744920	< 0.005	
E744921	0.026	
E744922	0.022	
E744923	0.070	
E744924	0.016	
E744925	0.017	
E744926	0.027	
E744927	0.016	
E744928	0.022	
E744929	0.289	
E744930	7.68	
E744931	0.210	
E744932	0.016	
E744933	0.417	
E744934	4.87	
E744935	0.163	
E744936	0.013	
E744937	0.021	
E744938	0.012	
E744939	0.031	
E744940	< 0.005	
E744941	0.812	
E744942	0.193	
E744943	0.153	
E744944	0.412	
E744945	0.038	
E744946	0.072	
E744947	0.028	
E744948	0.220	
E744949	0.022	
E744951	0.091	
E744952	0.146	
E744953	0.013	
E744954	0.049	
E744955	0.152	
E744956	0.025	
E744957	0.016	
E744958	0.008	
E744959	0.010	
E744960	< 0.005	
E744961	0.013	
E744962	> 10.0	18.5
E744963	0.200	
E744964	0.010	
E744965	0.008	
E744966	0.006	
E744967	0.007	
E744968	0.005	
E744969	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E744970	7.89	
E744971	0.007	
E744972	0.008	
E744973	0.014	
E744974	0.115	
E744975	0.017	
E744976	0.026	
E744977	0.015	
E744978	0.029	
E744979	0.045	
E744980	< 0.005	
E744981	0.010	
E744982	0.009	
E744983	0.010	
E744984	0.011	
E744985	0.005	
E744986	0.008	
E744987	0.081	
E744988	0.136	
E744989	0.006	
E744991	0.012	
E744992	0.013	
E744993	0.012	
E744994	0.021	
E744995	0.124	
E744996	0.010	
E744997	0.010	
E744998	0.013	
E744999	0.362	
E745000	0.007	
E745001	0.139	
E745002	0.053	
E745003	0.259	
E745004	0.069	
HiSilP1 Meas		11.8
HiSilP1 Cert		12.05
OxK94 Meas		3.59
OxK94 Cert		3.56
OxD108 Meas	0.418	
OxD108 Cert	0.414	
OxD108 Meas	0.420	
OxD108 Cert	0.414	
OxD108 Meas	0.410	
OxD108 Cert	0.414	
OxD108 Meas	0.427	
OxD108 Cert	0.414	
SF85 Meas	0.869	
SF85 Cert	0.848	
SF85 Meas	0.881	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
SF85 Cert	0.848	
SF85 Meas	0.839	
SF85 Cert	0.848	
SF85 Meas	0.880	
SF85 Cert	0.848	
E744878 Orig	0.053	
E744878 Dup	0.042	
E744888 Orig	0.019	
E744888 Dup	0.015	
E744899 Orig	0.028	
E744899 Dup	0.017	
E744915 Orig	0.138	
E744915 Dup	0.161	
E744921 Orig	0.026	
E744921 Split	0.019	
E744925 Orig	0.017	
E744925 Dup	0.015	
E744935 Orig	0.163	
E744935 Dup	0.200	
E744949 Orig	0.022	
E744949 Dup	0.023	
E744960 Orig	< 0.005	
E744960 Dup	< 0.005	
E744971 Orig	0.013	
E744971 Split	0.011	
E744971 Orig	0.007	
E744971 Dup	0.019	
E744984 Orig	0.011	
E744984 Dup	0.012	
E744995 Orig	0.124	
E744995 Dup	0.106	
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		< 0.03



Date Submitted: 02-May-16
Invoice No.: A16-03822
Invoice Date: 11-May-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

104 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-03822**

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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, looped initial "E" and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E754921	0.045	
E754922	0.245	
E754923	0.017	
E754924	0.721	
E754925	0.010	
E754926	0.008	
E754927	0.007	
E754928	0.005	
E754929	0.041	
E754930	7.55	
E754931	0.070	
E754932	0.009	
E754933	0.013	
E754934	0.046	
E754935	0.191	
E754936	0.106	
E754937	0.172	
E754938	0.014	
E754939	0.012	
E754940	< 0.005	
E754941	0.058	
E754942	0.026	
E754943	0.019	
E754944	0.029	
E754945	0.019	
E754946	0.020	
E754947	0.068	
E742501	0.124	
E744791	< 0.005	
E744792	0.005	
E744793	0.006	
E744794	0.006	
E744795	0.009	
E744796	0.007	
E744797	0.006	
E744798	< 0.005	
E744799	< 0.005	
E744800	< 0.005	
E744801	< 0.005	
E744802	< 0.005	
E744803	< 0.005	
E744804	0.005	
E744805	0.009	
E744806	0.024	
E744807	0.005	
E744808	0.011	
E744809	0.007	
E744811	0.100	
E744812	0.008	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E744813	0.006	
E744814	0.012	
E744815	0.013	
E744816	0.011	
E744817	0.007	
E744818	0.010	
E744819	< 0.005	
E744820	< 0.005	
E744821	< 0.005	
E744822	< 0.005	
E744823	< 0.005	
E744824	< 0.005	
E744825	0.006	
E744826	< 0.005	
E744827	0.007	
E744828	0.006	
E744829	< 0.005	
E744830	6.67	
E744831	< 0.005	
E744832	< 0.005	
E744833	0.006	
E744834	< 0.005	
E744835	< 0.005	
E744836	< 0.005	
E744837	< 0.005	
E744838	0.012	
E744839	0.028	
E744840	< 0.005	
E744841	0.007	
E744842	< 0.005	
E744843	2.07	
E744844	0.007	
E744845	0.005	
E744846	0.008	
E744847	< 0.005	
E744848	0.005	
E744849	0.012	
E744851	0.013	
E744852	8.02	
E744853	> 10.0	12.0
E744854	0.988	
E744855	0.011	
E744856	0.007	
E744857	0.006	
E744858	0.010	
E744859	0.006	
E744860	< 0.005	
E744861	0.006	
E744862	0.013	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E744863	0.019	
E744864	0.007	
E744865	0.007	
E744866	0.007	
E744867	< 0.005	
E744868	0.015	
HiSiP1 Meas		12.2
HiSiP1 Cert		12.05
OxK94 Meas		3.63
OxK94 Cert		3.56
OxD108 Meas	0.400	
OxD108 Cert	0.414	
OxD108 Meas	0.404	
OxD108 Cert	0.414	
OxD108 Meas	0.405	
OxD108 Cert	0.414	
SF85 Meas	0.848	
SF85 Cert	0.848	
E754931 Orig	0.070	
E754940 Orig	< 0.005	
E754940 Dup	< 0.005	
E744792 Orig	0.005	
E744792 Dup	0.005	
E744807 Orig	0.005	
E744807 Dup	< 0.005	
E744813 Orig	0.006	
E744813 Split	0.008	
E744818 Orig	0.010	
E744818 Dup	0.008	
E744828 Orig	0.006	
E744828 Dup	0.007	
E744842 Orig	< 0.005	
E744842 Dup	< 0.005	
E744853 Orig	> 10.0	
E744853 Dup	> 10.0	
E744863 Orig	0.019	
E744863 Dup	0.021	
E744864 Orig	0.007	
E744864 Split	0.008	
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		< 0.03



Date Submitted: 04-May-16
Invoice No.: A16-03904
Invoice Date: 12-May-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

95 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-03904**

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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 and somewhat cursive, with a horizontal line underneath it.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E745005	0.244
E745006	0.021
E745007	0.039
E745008	0.059
E745009	0.030
E745011	0.127
E745012	0.566
E745013	0.107
E745014	0.027
E745015	0.046
E745016	0.393
E745017	0.016
E745018	0.013
E745019	0.220
E745020	< 0.005
E745021	0.644
E745022	0.017
E745023	1.08
E745024	0.050
E745025	0.020
E745026	0.015
E745027	0.066
E745028	0.035
E745029	1.44
E745030	7.59
E745031	0.014
E745032	0.010
E745033	0.062
E745034	0.033
E745035	0.085
E745036	0.015
E745037	0.023
E745038	0.086
E745039	0.017
E745040	< 0.005
E745041	0.222
E745042	0.069
E745043	0.169
E745044	0.064
E745045	0.014
E745046	0.013
E745047	0.028
E745048	0.005
E745049	0.005
E745051	< 0.005
E745052	< 0.005
E745053	0.008
E745054	0.007
E745055	0.009

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
E745056	0.006
E745057	0.021
E745058	0.267
E745059	0.016
E745060	< 0.005
E745061	0.005
E745062	0.005
E745063	0.008
E745064	0.035
E745065	0.014
E745066	0.009
E745067	0.009
E745068	0.009
E745069	0.009
E745070	7.57
E745071	0.006
E745072	0.006
E745073	< 0.005
E745074	0.005
E745075	0.005
E745076	< 0.005
E745077	< 0.005
E745078	0.008
E745079	< 0.005
E745080	< 0.005
E745081	< 0.005
E745082	0.009
E745083	0.008
E745084	0.008
E745085	0.008
E745086	0.007
E745087	0.023
E745088	0.069
E745089	0.019
E745091	0.025
E745092	0.016
E745093	0.008
E745094	0.005
E745095	0.005
E745096	0.013
E745097	0.092
E745098	0.019
E745099	< 0.005
E745100	< 0.005
E745101	< 0.005
E745102	< 0.005
OxD108 Meas	0.413
OxD108 Cert	0.414
OxD108 Meas	0.425

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OxD108 Cert	0.414
OxD108 Meas	0.415
OxD108 Cert	0.414
OxD108 Meas	0.404
OxD108 Cert	0.414
SF85 Meas	0.819
SF85 Cert	0.848
SF85 Meas	0.845
SF85 Cert	0.848
SF85 Meas	0.841
SF85 Cert	0.848
SF85 Meas	0.822
SF85 Cert	0.848
E745015 Orig	0.046
E745015 Dup	0.040
E745025 Orig	0.020
E745025 Dup	0.047
E745035 Orig	0.085
E745035 Dup	0.115
E745051 Orig	< 0.005
E745051 Dup	< 0.005
E745056 Orig	0.006
E745056 Split	0.007
E745061 Orig	0.005
E745061 Dup	0.005
E745071 Orig	0.006
E745071 Dup	0.007
E745085 Orig	0.008
E745085 Dup	0.008
E745096 Orig	0.013
E745096 Dup	0.015
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



Date Submitted: 23-Feb-16
Invoice No.: A16-01507
Invoice Date: 01-Mar-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

271 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01507**

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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 written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732745	0.042	
E732746	0.032	
E732747	6.59	
E732748	8.60	
E732749	0.087	
E732750	3.09	
E732751	0.011	
E732752	0.013	
E732753	0.016	
E732754	0.014	
E732755	< 0.005	
E732756	< 0.005	
E732757	< 0.005	
E732758	0.007	
E732759	0.008	
E732760	< 0.005	
E732761	0.009	
E732762	0.015	
E732763	0.012	
E732764	> 10.0	20.2
E732765	0.290	
E732766	0.364	
E732767	0.052	
E732768	0.009	
E732769	0.010	
E732770	7.21	
E732771	0.039	
E732772	0.750	
E732773	0.455	
E732774	0.234	
E732775	0.123	
E732776	0.172	
E732777	0.140	
E732778	0.377	
E732779	6.28	
E732780	0.005	
E732781	4.21	
E732782	0.933	
E732783	7.22	
E732784	2.32	
E732785	0.016	
E732786	0.017	
E732787	0.017	
E732788	0.018	
E732789	0.035	
E732790	3.40	
E732791	0.060	
E732792	0.080	
E732793	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E732794	0.005	
E732795	0.006	
E732796	0.081	
E732797	0.006	
E732798	0.078	
E732799	0.008	
E732800	< 0.005	
E732801	0.008	
E732802	0.028	
E732803	1.14	
E732804	2.72	
E732805	0.020	
E732806	0.019	
E732807	0.007	
E732808	0.543	
E732809	0.165	
E732810	3.27	
E721311	0.006	
E721312	0.005	
E721313	0.007	
E721314	0.010	
E721315	0.030	
E721316	0.029	
E721317	0.005	
E721318	< 0.005	
E721319	< 0.005	
E721320	< 0.005	
E721321	< 0.005	
E721322	0.005	
E721323	< 0.005	
E721324	< 0.005	
E721325	< 0.005	
E721326	0.005	
E721327	0.007	
E721328	0.005	
E721329	0.007	
E721330	8.04	
E721331	0.033	
E721332	0.047	
E721333	0.017	
E721334	< 0.005	
E721335	< 0.005	
E721336	< 0.005	
E721337	< 0.005	
E721338	< 0.005	
E721339	< 0.005	
E721340	< 0.005	
E721341	< 0.005	
E721342	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E721343	0.015	
E721344	< 0.005	
E721345	< 0.005	
E721346	< 0.005	
E721347	0.011	
E721348	0.006	
E721349	0.009	
E721350	3.36	
E721351	0.015	
E721352	< 0.005	
E721353	< 0.005	
E721354	0.007	
E721355	< 0.005	
E721356	< 0.005	
E721357	< 0.005	
E721358	< 0.005	
E721359	< 0.005	
E721360	< 0.005	
E721361	< 0.005	
E721362	< 0.005	
E721363	< 0.005	
E721364	< 0.005	
E721365	< 0.005	
E721366	< 0.005	
E721367	< 0.005	
E721368	< 0.005	
E721369	< 0.005	
E721370	7.57	
E721371	< 0.005	
E705293	0.034	
E705294	0.972	
E705295	0.199	
E705296	0.050	
E705297	0.544	
E705298	0.021	
E705299	0.041	
E705300	< 0.005	
E705301	0.013	
E705302	< 0.005	
E705303	0.013	
E705304	0.010	
E705305	0.035	
E705306	0.016	
E705307	0.097	
E705308	0.025	
E705309	0.013	
E705310	3.06	
E705311	0.076	
E705312	0.086	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705313	0.011	
E705314	0.008	
E705315	0.023	
E705316	0.015	
E705317	0.014	
E705318	0.013	
E705319	0.144	
E705320	< 0.005	
E705321	0.333	
E705322	0.022	
E705323	0.013	
E705324	0.013	
E705325	0.042	
E705326	0.012	
E705327	0.347	
E705328	0.364	
E705329	1.34	
E705330	7.77	
E705331	0.937	
E705332	0.011	
E705333	1.34	
E705334	8.27	
E705335	0.044	
E705336	0.086	
E705337	0.058	
E705338	0.085	
E705339	0.147	
E705340	< 0.005	
E705341	0.027	
E705342	0.020	
E705343	0.019	
E705344	0.102	
E705345	0.103	
E705346	0.073	
E705347	0.017	
E705348	0.011	
E705349	0.010	
E705350	3.45	
E705351	0.007	
E705352	0.006	
E705353	0.025	
E705354	0.058	
E705355	1.53	
E705356	0.030	
E705357	0.043	
E705358	0.027	
E705359	0.033	
E705360	< 0.005	
E705361	0.273	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705362	0.485	
E705363	7.60	
E705364	4.68	
E705365	1.68	
E705366	0.196	
E705367	0.404	
E705368	0.028	
E705369	0.210	
E705370	7.71	
E705371	0.038	
E705372	0.036	
E705373	0.035	
E705374	0.041	
E705375	0.046	
E705376	0.074	
E705377	0.041	
E705378	0.582	
E705379	3.83	
E705380	< 0.005	
E705381	0.051	
E705382	0.041	
E705383	0.056	
E705384	0.029	
E705385	1.45	
E705386	0.023	
E705387	0.029	
E720376	0.040	
E720377	0.066	
E720378	0.546	
E720379	0.261	
E720380	< 0.005	
E720381	1.12	
E720382	0.690	
E720383	6.35	
E720384	> 10.0	64.6
E720385	1.65	
E720386	1.61	
E720387	0.066	
E720388	0.028	
E720389	0.016	
E720390	3.28	
E720391	0.006	
E720392	0.082	
E720393	0.076	
E720394	0.019	
E720395	0.046	
E720396	0.250	
E720397	0.019	
E720398	0.055	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720399	0.165	
E720400	< 0.005	
E720401	0.035	
E720402	0.017	
E720403	0.177	
E720404	0.016	
E720405	0.013	
E720406	0.013	
E720407	0.009	
E720408	0.267	
E720409	0.012	
E720410	3.29	
E720411	0.009	
E720412	6.50	
E720413	0.045	
E720414	2.17	
E720415	0.011	
E720416	0.009	
E720417	0.010	
E720418	0.041	
E720419	0.540	
E720420	< 0.005	
E720421	0.059	
E720422	0.010	
E720423	1.01	
E720424	0.827	
OxK94 Meas		3.63
OxK94 Cert		3.56
OxP 91 Meas		14.9
OxP 91 Cert		14.82
OxD108 Meas	0.422	
OxD108 Cert	0.414	
OxD108 Meas	0.427	
OxD108 Cert	0.414	
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxD108 Meas	0.420	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
OxD108 Meas	0.421	
OxD108 Cert	0.414	
OxD108 Meas	0.425	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
SF85 Meas	0.836	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
SF85 Cert	0.848	
SF85 Meas	0.838	
SF85 Cert	0.848	
SF85 Meas	0.836	
SF85 Cert	0.848	
SF85 Meas	0.834	
SF85 Cert	0.848	
SF85 Meas	0.836	
SF85 Cert	0.848	
SF85 Meas	0.866	
SF85 Cert	0.848	
SF85 Meas	0.849	
SF85 Cert	0.848	
SF85 Meas	0.856	
SF85 Cert	0.848	
SF85 Meas	0.846	
SF85 Cert	0.848	
E732754 Orig	0.014	
E732754 Dup	0.016	
E732764 Orig	> 10.0	
E732764 Dup	> 10.0	
E732774 Orig	0.234	
E732774 Dup	0.295	
E732789 Orig	0.035	
E732789 Dup	0.033	
E732794 Orig	0.005	
E732794 Split	0.008	
E732799 Orig	0.008	
E732799 Dup	0.005	
E732809 Orig	0.165	
E732809 Dup	0.172	
E721323 Orig	< 0.005	
E721323 Dup	0.005	
E721333 Orig	0.017	
E721333 Dup	0.018	
E721343 Orig	0.015	
E721343 Dup	0.015	
E721344 Orig	< 0.005	
E721344 Split	< 0.005	
E721357 Orig	< 0.005	
E721357 Dup	< 0.005	
E721367 Orig	< 0.005	
E721367 Dup	0.008	
E705298 Orig	0.021	
E705298 Dup	0.023	
E705313 Orig	0.011	
E705313 Dup	0.011	
E705315 Orig	0.023	
E705315 Split	0.029	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705323 Orig	0.013	
E705323 Dup	0.010	
E705333 Orig	1.34	
E705333 Dup	1.32	
E705347 Orig	0.017	
E705347 Dup	0.017	
E705357 Orig	0.043	
E705357 Dup	0.041	
E705365 Orig	1.68	
E705365 Split	1.70	
E705381 Orig	0.051	
E705381 Dup	0.059	
E720379 Orig	0.261	
E720379 Dup	0.226	
E720389 Orig	0.016	
E720389 Dup	0.018	
E720403 Orig	0.177	
E720403 Split	0.169	
E720404 Orig	0.016	
E720404 Dup	0.012	
E720414 Orig	2.17	
E720414 Dup	2.07	
E720424 Orig	0.827	
E720424 Dup	0.736	
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	
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Date Submitted: 25-Feb-16
Invoice No.: A16-01565
Invoice Date: 05-Mar-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

980 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01565**

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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 written in a cursive style with a large, stylized "E" and "S".

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709401	0.026	
E709402	0.072	
E709403	0.100	
E709404	0.009	
E709405	0.005	
E709406	0.008	
E709407	< 0.005	
E709408	< 0.005	
E709409	< 0.005	
E709410	3.26	
E709411	0.013	
E709412	0.007	
E709413	0.006	
E709414	0.010	
E709415	0.014	
E709416	< 0.005	
E709417	< 0.005	
E709418	< 0.005	
E709419	< 0.005	
E709420	< 0.005	
E709421	0.012	
E709422	0.017	
E709423	< 0.005	
E709424	< 0.005	
E709425	< 0.005	
E709426	< 0.005	
E709427	0.005	
E709428	< 0.005	
E709429	0.008	
E709430	7.57	
E709431	0.011	
E709432	0.009	
E709433	0.009	
E709434	0.009	
E709435	< 0.005	
E709436	< 0.005	
E709437	< 0.005	
E709438	0.009	
E709439	0.011	
E709440	< 0.005	
E709441	0.013	
E709442	0.013	
E709443	0.010	
E709444	0.006	
E709445	< 0.005	
E709446	< 0.005	
E709447	< 0.005	
E709448	< 0.005	
E709449	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709450	3.34	
E709451	0.009	
E709452	0.008	
E709453	0.005	
E709454	0.007	
E709455	< 0.005	
E709456	0.008	
E709457	0.006	
E709458	0.027	
E709459	1.11	
E709460	< 0.005	
E709461	0.005	
E709462	0.008	
E709463	0.013	
E709464	< 0.005	
E709465	< 0.005	
E709466	0.005	
E709467	< 0.005	
E709468	< 0.005	
E709469	< 0.005	
E709470	7.58	
E709471	0.015	
E709472	0.011	
E709473	0.013	
E709474	0.013	
E709475	0.007	
E709476	0.102	
E709477	0.010	
E709478	0.009	
E709479	0.008	
E709480	< 0.005	
E709481	0.010	
E709482	0.009	
E709483	0.036	
E709484	0.021	
E709485	0.005	
E709486	0.005	
E709487	0.007	
E709488	0.021	
E709489	0.012	
E709490	3.35	
E709491	0.016	
E709492	0.018	
E709493	0.019	
E709494	0.241	
E709495	0.631	
E709496	0.163	
E709497	0.164	
E709498	0.067	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709499	0.058	
E709500	< 0.005	
E709501	0.006	
E709502	0.023	
E709503	0.015	
E709504	0.021	
E709505	0.033	
E709506	0.017	
E709507	0.014	
E709508	0.020	
E709509	0.015	
E709510	3.07	
E709511	0.026	
E709512	0.013	
E709513	0.013	
E709514	0.029	
E709515	0.036	
E709516	0.443	
E709517	0.156	
E709518	1.15	
E709519	0.049	
E709520	< 0.005	
E709521	0.035	
E709522	0.866	
E709523	0.041	
E709524	0.014	
E709525	0.014	
E709526	0.013	
E705388	0.028	
E705389	0.105	
E705390	3.13	
E705391	0.010	
E705392	0.110	
E705393	0.206	
E705394	0.208	
E705395	0.195	
E705396	0.058	
E705397	0.024	
E705398	0.024	
E705399	0.021	
E705400	< 0.005	
E705401	0.022	
E705402	0.024	
E705403	0.014	
E705404	0.014	
E705405	0.022	
E705406	0.007	
E705407	0.019	
E705408	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705409	0.024	
E705410	3.49	
E705411	0.015	
E705412	0.057	
E705413	0.096	
E705414	0.053	
E705415	0.046	
E705416	0.083	
E705417	0.197	
E705418	0.038	
E705419	0.141	
E705420	< 0.005	
E705421	0.027	
E705422	0.144	
E705423	0.767	
E705424	0.032	
E705425	0.010	
E705426	0.005	
E705427	0.006	
E705428	0.007	
E705429	< 0.005	
E705430	7.16	
E705431	0.018	
E705432	0.011	
E705433	0.021	
E705434	0.058	
E705435	0.011	
E705436	0.012	
E705437	0.032	
E705438	0.699	
E705439	7.25	
E705440	< 0.005	
E705441	0.727	
E705442	0.638	
E705443	2.88	
E705444	3.67	
E705445	0.326	
E705446	0.026	
E705447	0.127	
E705448	2.81	
E705449	0.364	
E705450	3.45	
E705451	0.938	
E705452	0.393	
E705453	1.98	
E705454	0.348	
E705455	0.337	
E705456	0.037	
E705457	0.064	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705458	0.061	
E705459	0.077	
E705460	< 0.005	
E705461	0.019	
E705462	0.106	
E705463	0.177	
E705464	0.009	
E705465	0.021	
E705466	0.008	
E705467	0.013	
E705468	0.019	
E705469	0.069	
E705470	7.68	
E705471	0.028	
E705472	0.016	
E705473	0.017	
E705474	0.030	
E705475	0.033	
E705476	0.022	
E705477	0.035	
E705478	0.144	
E705479	0.050	
E705480	< 0.005	
E705481	0.026	
E705482	0.022	
E705483	0.041	
E705484	0.015	
E705485	0.049	
E705486	0.278	
E705487	0.016	
E705488	0.006	
E705489	0.005	
E705490	3.15	
E705491	0.006	
E705492	0.005	
E705493	0.006	
E705494	0.005	
E705495	0.005	
E705496	0.012	
E705497	0.020	
E705498	0.019	
E705499	0.021	
E705500	< 0.005	
E705501	1.17	
E705502	0.561	
E705503	0.021	
E705504	0.130	
E705505	0.041	
E705506	0.035	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705507	0.043	
E705508	0.022	
E705509	0.026	
E705510	3.48	
E705511	0.025	
E705512	0.112	
E705513	0.058	
E705514	0.261	
E705515	0.038	
E705516	0.064	
E705517	3.46	
E705518	0.403	
E705519	0.032	
E705520	< 0.005	
E705521	0.212	
E705522	0.259	
E705523	0.085	
E705524	0.032	
E705525	0.266	
E705526	< 0.005	
E705527	0.408	
E705528	0.732	
E705529	0.026	
E705530	7.89	
E705531	0.049	
E705532	0.414	
E705533	0.329	
E705534	0.035	
E705535	0.007	
E705536	< 0.005	
E705537	0.006	
E705538	0.008	
E705539	0.376	
E705540	< 0.005	
E705541	0.356	
E705542	1.43	
E705543	0.070	
E705544	0.027	
E705545	0.021	
E705546	3.08	
E705547	0.739	
E705548	1.12	
E705549	1.45	
E705550	3.48	
E705551	1.25	
E705552	0.064	
E705553	0.077	
E705554	0.016	
E705555	0.009	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705556	0.019	
E705557	0.026	
E705558	0.107	
E705559	0.042	
E705560	< 0.005	
E705561	0.191	
E705562	0.015	
E705563	0.119	
E705564	7.70	
E705565	0.068	
E705566	2.53	
E705567	0.016	
E705568	0.014	
E705569	0.095	
E705570	7.72	
E705571	0.008	
E705572	0.006	
E705573	0.009	
E705574	0.015	
E705575	0.043	
E705576	0.011	
E705577	0.010	
E705578	0.021	
E705579	< 0.005	
E705580	< 0.005	
E705581	0.005	
E705582	< 0.005	
E705583	< 0.005	
E705584	0.006	
E705585	0.006	
E705586	0.095	
E705587	2.00	
E705588	0.011	
E705589	0.022	
E705590	3.24	
E705591	0.144	
E705592	0.036	
E705593	1.16	
E705594	0.011	
E705595	0.405	
E705596	0.016	
E705597	0.007	
E705598	1.36	
E705599	0.009	
E705600	< 0.005	
E705601	0.005	
E705602	0.013	
E705603	0.013	
E705604	0.274	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705605	2.15	
E705606	0.011	
E705607	0.011	
E705608	0.011	
E705609	0.005	
E705610	3.47	
E705611	0.005	
E705612	< 0.005	
E705613	0.008	
E705614	0.005	
E705615	< 0.005	
E705616	0.021	
E705617	0.008	
E705618	0.054	
E705619	0.009	
E705620	< 0.005	
E705621	0.005	
E705622	< 0.005	
E705623	0.006	
E705624	1.57	
E705625	> 10.0	11.3
E705626	0.051	
E705627	< 0.005	
E705628	0.760	
E705629	3.06	
E705630	7.34	
E705631	0.047	
E705632	> 10.0	35.7
E705633	0.030	
E705634	0.019	
E705635	6.44	
E705636	0.022	
E705637	2.34	
E705638	0.179	
E705639	1.91	
E705640	< 0.005	
E705641	0.234	
E705642	1.60	
E705643	0.331	
E705644	0.466	
E705645	7.18	
E705646	0.630	
E705647	2.64	
E705648	0.728	
E705649	1.18	
E705650	3.13	
E705651	1.24	
E705652	0.407	
E705653	0.595	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705654	0.144	
E705655	0.139	
E705656	7.27	
E705657	0.169	
E705658	0.111	
E705659	0.020	
E705660	< 0.005	
E705661	1.23	
E705662	1.01	
E705663	0.062	
E705664	2.61	
E705665	0.963	
E705666	2.71	
E706203	< 0.005	
E706204	0.233	
E706205	0.018	
E706206	0.104	
E706207	0.067	
E706208	< 0.005	
E706209	0.031	
E706210	3.33	
E706211	0.022	
E706212	0.007	
E706213	0.020	
E706214	0.017	
E706215	0.061	
E706216	0.006	
E706217	0.179	
E706218	0.011	
E706219	0.010	
E706220	< 0.005	
E706221	0.047	
E706222	< 0.005	
E706223	< 0.005	
E706224	< 0.005	
E706225	0.045	
E706226	0.015	
E706227	0.093	
E706228	0.347	
E706229	0.021	
E706230	8.04	
E706231	0.024	
E706232	0.067	
E706233	0.535	
E706234	0.012	
E706235	0.013	
E706236	0.010	
E706237	0.010	
E706238	0.009	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E706239	0.060	
E706240	< 0.005	
E706241	0.134	
E706242	0.086	
E706243	0.008	
E706244	0.123	
E706245	0.053	
E706246	0.006	
E706247	< 0.005	
E706248	0.006	
E706249	0.013	
E706250	3.33	
E706251	0.895	
E706252	0.261	
E706253	0.793	
E706254	> 10.0	33.8
E706255	1.36	
E706256	0.122	
E706257	0.132	
E706258	1.13	
E706259	0.017	
E706260	< 0.005	
E706261	0.011	
E706262	0.015	
E706263	0.015	
E706264	0.094	
E706265	0.053	
E706266	0.049	
E706267	0.525	
E706268	1.17	
E706269	0.095	
E706270	7.77	
E706271	0.332	
E706272	0.022	
E706273	0.010	
E706274	0.011	
E706275	0.013	
E706276	0.042	
E706277	0.693	
E706278	0.345	
E706279	0.525	
E706280	< 0.005	
E706281	0.791	
E706282	> 10.0	9.91
E706283	6.61	
E706284	0.318	
E706285	0.739	
E706286	0.042	
E706287	0.099	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E706288	0.134	
E706289	> 10.0	19.4
E706290	3.12	
E706291	> 10.0	33.1
E706292	0.071	
E706293	0.312	
E706294	0.024	
E706295	0.011	
E706296	0.011	
E706297	0.009	
E706298	0.013	
E709527	0.011	
E709528	0.013	
E709529	0.016	
E709530	7.71	
E709531	0.011	
E709532	0.018	
E709533	0.034	
E709534	0.044	
E709535	0.023	
E709536	0.033	
E709537	0.024	
E709538	0.024	
E709539	0.291	
E709540	< 0.005	
E709541	0.098	
E709542	0.005	
E709543	0.014	
E709544	0.005	
E709545	0.006	
E709546	0.008	
E709547	0.010	
E709548	0.018	
E709549	0.019	
E709550	3.38	
E709551	0.010	
E709552	0.009	
E709553	0.021	
E709554	0.007	
E709555	0.007	
E709556	0.007	
E709557	0.008	
E709558	0.006	
E709559	0.013	
E709560	< 0.005	
E709561	< 0.005	
E709562	0.011	
E709563	0.006	
E709564	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709565	< 0.005	
E709566	0.016	
E709567	0.016	
E709568	0.015	
E709569	0.006	
E709570	7.47	
E709571	0.011	
E709572	0.011	
E709573	0.023	
E709574	0.013	
E709575	0.019	
E709576	0.030	
E709577	0.014	
E709578	0.018	
E709579	0.018	
E709580	< 0.005	
E709581	0.010	
E709582	0.033	
E709583	0.219	
E709584	0.018	
E709585	0.537	
E709586	0.031	
E709587	0.450	
E709588	0.009	
E709589	0.030	
E709590	3.43	
E709591	0.080	
E709592	0.008	
E709593	0.010	
E709594	0.011	
E709595	0.011	
E709596	0.009	
E709597	0.254	
E709598	0.075	
E709599	0.196	
E709600	< 0.005	
E709601	0.008	
E709602	0.009	
E709603	0.007	
E709604	0.009	
E709605	0.010	
E709606	0.062	
E709607	0.011	
E709608	0.011	
E709609	0.008	
E709610	3.28	
E709611	0.037	
E709612	0.058	
E709613	0.082	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709614	0.023	
E709615	0.012	
E709616	0.007	
E709617	0.014	
E709618	2.49	
E709619	0.799	
E709620	< 0.005	
E709621	0.089	
E709622	0.014	
E709623	0.032	
E709624	0.020	
E709625	0.039	
E709626	0.010	
E709627	0.018	
E709628	0.011	
E709629	0.019	
E709630	7.51	
E709631	0.012	
E709632	0.054	
E709633	0.021	
E709634	2.43	
E709635	0.532	
E709636	0.904	
E709637	0.009	
E709638	0.005	
E709639	0.011	
E709640	< 0.005	
E709641	0.005	
E709642	0.008	
E709643	0.014	
E709644	0.009	
E709645	0.011	
E709646	0.008	
E709647	0.007	
E709648	0.012	
E709649	0.007	
E709650	3.41	
E720425	0.089	
E720426	0.692	
E720427	0.132	
E720428	0.047	
E720429	0.021	
E720430	7.71	
E720431	0.013	
E720432	0.617	
E720433	0.532	
E720434	0.478	
E720435	0.010	
E720436	0.039	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720437	0.339	
E720438	0.020	
E720439	0.011	
E720440	< 0.005	
E720441	0.008	
E720442	0.019	
E720443	0.008	
E720444	0.140	
E720445	1.49	
E720446	1.08	
E720447	0.082	
E720448	0.012	
E706299	0.023	
E706300	< 0.005	
E706301	0.015	
E706302	0.009	
E706303	0.008	
E706304	0.007	
E706305	> 10.0	13.8
E706306	3.50	
E706307	0.743	
E706308	0.007	
E706309	0.665	
E706310	3.50	
E706311	0.023	
E706312	0.011	
E706313	2.27	
E706314	0.040	
E706315	< 0.005	
E706316	0.021	
E706317	0.119	
E706318	2.79	
E706319	0.055	
E706320	< 0.005	
E706321	0.013	
E706322	0.041	
E706323	1.82	
E706324	2.18	
E706325	1.49	
E706326	> 10.0	20.7
E706327	0.304	
E706328	0.267	
E706329	0.030	
E706330	7.84	
E706331	0.016	
E706332	0.013	
E706333	0.020	
E706334	0.011	
E706335	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E706336	0.075	
E706337	0.234	
E706338	0.010	
E706339	0.094	
E706340	< 0.005	
E706341	2.63	
E706342	0.333	
E706343	0.012	
E705775	0.021	
E705776	0.034	
E705777	0.460	
E705778	0.930	
E705779	0.017	
E705780	< 0.005	
E705781	0.166	
E705782	0.020	
E705783	0.158	
E705784	0.046	
E705785	0.015	
E705786	0.040	
E705787	0.015	
E705788	0.550	
E705789	0.014	
E705790	3.29	
E705791	0.024	
E705792	0.019	
E705793	0.008	
E705794	0.285	
E705795	0.021	
E705796	0.148	
E705797	0.007	
E705798	0.021	
E705799	0.193	
E705800	< 0.005	
E705801	0.021	
E705802	0.006	
E705803	0.013	
E705804	0.501	
E705805	0.783	
E705806	0.145	
E705807	0.231	
E705808	0.016	
E705809	0.011	
E705810	3.61	
E705811	0.005	
E705812	0.014	
E705813	0.016	
E705814	0.008	
E705815	0.286	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705816	0.562	
E705817	0.033	
E705818	0.456	
E705819	0.081	
E705820	< 0.005	
E705821	0.060	
E705822	3.24	
E705823	0.079	
E705824	0.043	
E705825	0.032	
E705826	0.186	
E705827	0.264	
E705828	0.020	
E705829	0.039	
E705830	7.60	
E705831	0.104	
E705832	< 0.005	
E705833	0.090	
E705834	0.034	
E705835	0.011	
E705836	0.028	
E705837	0.020	
E705838	0.021	
E705839	0.028	
E705840	< 0.005	
E705841	0.053	
E705842	0.011	
E705843	0.013	
E705844	0.014	
E705845	0.022	
E705846	0.035	
E705847	0.015	
E705848	0.049	
E705849	0.177	
E705850	3.31	
E705851	0.081	
E705852	0.018	
E705853	1.22	
E705854	0.165	
E705855	0.719	
E705856	0.012	
E705857	0.036	
E705858	2.65	
E705859	0.204	
E705860	< 0.005	
E705861	0.025	
E705862	> 10.0	12.4
E705863	0.028	
E705864	0.037	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705865	0.012	
E705866	2.13	
E705867	0.021	
E705868	0.017	
E705869	4.01	
E705870	7.59	
E705871	0.098	
E705872	0.014	
E705873	0.027	
E705874	0.182	
E705875	1.48	
E705876	0.752	
E705877	0.076	
E705878	0.136	
E705879	0.043	
E705880	< 0.005	
E705881	0.053	
E705882	0.168	
E705883	0.358	
E705884	0.278	
E705885	0.626	
E705886	0.281	
E705887	1.26	
E705888	0.208	
E705889	0.020	
E705890	3.44	
E705891	0.524	
E705892	0.238	
E705893	0.315	
E705894	0.026	
E705895	0.100	
E705896	0.039	
E705897	0.070	
E705898	0.219	
E705899	0.049	
E705900	< 0.005	
E705901	0.082	
E705902	0.050	
E705903	1.94	
E705904	0.134	
E705905	0.182	
E705906	0.042	
E705907	0.074	
E705908	0.360	
E705909	0.189	
E705910	3.33	
E705911	0.380	
E705912	1.26	
E705913	0.047	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705914	0.034	
E705915	0.058	
E705916	0.125	
E705917	6.04	
E705918	4.60	
E705919	3.52	
E705920	< 0.005	
E705921	7.37	
E705922	0.690	
E705923	0.041	
E705924	0.760	
E705925	0.044	
E705926	0.108	
E705927	0.038	
E705928	0.030	
E705929	0.022	
E705930	7.68	
E705931	0.042	
E705932	0.126	
E705933	0.059	
E705934	4.00	
E705935	0.045	
E705936	0.021	
E705937	0.027	
E705938	0.171	
E705939	0.040	
E705940	< 0.005	
E705941	0.125	
E705942	0.086	
E720449	0.508	
E720450	3.16	
E720451	0.740	
E720452	0.009	
E720453	0.009	
E720454	0.200	
E720455	0.033	
E720456	0.011	
E720457	0.077	
E720458	0.089	
E720459	0.039	
E720460	< 0.005	
E720461	0.065	
E720462	2.01	
E720463	0.012	
E720464	0.566	
E720465	0.020	
E720466	0.050	
E720467	0.069	
E720468	0.015	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720469	0.071	
E720470	7.43	
E720471	0.212	
E720472	1.06	
E720473	0.086	
E720474	0.193	
E720475	4.91	
E720476	0.180	
E720477	0.410	
E720478	0.133	
E720479	0.115	
E720480	< 0.005	
E720481	0.153	
E720482	0.075	
E720483	0.096	
E720484	0.194	
E720485	< 0.005	
E720486	< 0.005	
E709651	0.005	
E709652	< 0.005	
E709653	0.008	
E709654	0.008	
E709655	0.011	
E709656	0.008	
E709657	< 0.005	
E709658	< 0.005	
E709659	< 0.005	
E709660	< 0.005	
E709661	0.009	
E709662	< 0.005	
E709663	0.005	
E709664	0.030	
E709665	0.039	
E709666	0.033	
E709667	0.042	
E709668	0.055	
E709669	0.025	
E709670	7.64	
E709671	0.018	
E709672	0.030	
E709673	0.013	
E709674	0.024	
E709675	0.021	
E709676	0.034	
E709677	0.024	
E709678	0.015	
E709679	0.012	
E709680	< 0.005	
E709681	0.030	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709682	0.006	
E709683	0.011	
E709684	0.017	
E709685	0.030	
E709686	0.016	
E709687	0.013	
E709688	0.022	
E709689	0.015	
E709690	3.47	
E709691	0.018	
E709692	0.017	
E709693	0.027	
E709694	0.033	
E709695	0.015	
E709696	0.049	
E709697	0.537	
E709698	0.227	
E709699	0.033	
E709700	< 0.005	
E709701	0.068	
E709702	0.237	
E709703	1.01	
E709704	0.033	
E709705	0.015	
E709706	0.018	
E709707	0.031	
E709708	0.074	
E709709	0.126	
E709710	3.35	
E709711	0.036	
E709712	0.297	
E709713	0.116	
E709714	0.014	
E709715	0.025	
E709716	0.687	
E709717	0.013	
E709718	0.707	
E709719	0.186	
E709720	< 0.005	
E709721	0.067	
E709722	0.030	
E709723	0.038	
E709724	0.011	
E709725	0.005	
E709726	0.006	
E709727	0.015	
E709728	0.036	
E709729	0.014	
E709730	7.89	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxK94 Meas		3.59
OxK94 Cert		3.56
OxP 91 Meas		14.9
OxP 91 Cert		14.82
OxD108 Meas	0.438	
OxD108 Cert	0.414	
OxD108 Meas	0.436	
OxD108 Cert	0.414	
OxD108 Meas	0.414	
OxD108 Cert	0.414	
OxD108 Meas	0.421	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
OxD108 Meas	0.423	
OxD108 Cert	0.414	
OxD108 Meas	0.437	
OxD108 Cert	0.414	
OxD108 Meas	0.420	
OxD108 Cert	0.414	
OxD108 Meas	0.432	
OxD108 Cert	0.414	
OxD108 Meas	0.403	
OxD108 Cert	0.414	
OxD108 Meas	0.434	
OxD108 Cert	0.414	
OxD108 Meas	0.434	
OxD108 Cert	0.414	
OxD108 Meas	0.409	
OxD108 Cert	0.414	
OxD108 Meas	0.425	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.424	
OxD108 Cert	0.414	
OxD108 Meas	0.422	
OxD108 Cert	0.414	
OxD108 Meas	0.426	
OxD108 Cert	0.414	
OxD108 Meas	0.433	
OxD108 Cert	0.414	
OxD108 Meas	0.434	
OxD108 Cert	0.414	
OxD108 Meas	0.425	
OxD108 Cert	0.414	
OxD108 Meas	0.430	
OxD108 Cert	0.414	
OxD108 Meas	0.423	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxD108 Cert	0.414	
OxD108 Meas	0.433	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.435	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
OxD108 Meas	0.427	
OxD108 Cert	0.414	
OxD108 Meas	0.433	
OxD108 Cert	0.414	
OxD108 Meas	0.430	
OxD108 Cert	0.414	
SF85 Meas	0.873	
SF85 Cert	0.848	
SF85 Meas	0.857	
SF85 Cert	0.848	
SF85 Meas	0.854	
SF85 Cert	0.848	
SF85 Meas	0.856	
SF85 Cert	0.848	
SF85 Meas	0.853	
SF85 Cert	0.848	
SF85 Meas	0.856	
SF85 Cert	0.848	
SF85 Meas	0.869	
SF85 Cert	0.848	
SF85 Meas	0.871	
SF85 Cert	0.848	
SF85 Meas	0.862	
SF85 Cert	0.848	
SF85 Meas	0.868	
SF85 Cert	0.848	
SF85 Meas	0.860	
SF85 Cert	0.848	
SF85 Meas	0.876	
SF85 Cert	0.848	
SF85 Meas	0.846	
SF85 Cert	0.848	
SF85 Meas	0.866	
SF85 Cert	0.848	
SF85 Meas	0.856	
SF85 Cert	0.848	
SF85 Meas	0.860	
SF85 Cert	0.848	
SF85 Meas	0.863	
SF85 Cert	0.848	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
SF85 Meas	0.875	
SF85 Cert	0.848	
SF85 Meas	0.860	
SF85 Cert	0.848	
SF85 Meas	0.870	
SF85 Cert	0.848	
SF85 Meas	0.864	
SF85 Cert	0.848	
SF85 Meas	0.862	
SF85 Cert	0.848	
SF85 Meas	0.853	
SF85 Cert	0.848	
SF85 Meas	0.864	
SF85 Cert	0.848	
SF85 Meas	0.840	
SF85 Cert	0.848	
SF85 Meas	0.846	
SF85 Cert	0.848	
SF85 Meas	0.860	
SF85 Cert	0.848	
SF85 Meas	0.879	
SF85 Cert	0.848	
E709409 Orig	< 0.005	
E709409 Dup	0.005	
E709419 Orig	< 0.005	
E709419 Dup	< 0.005	
E709431 Orig	0.011	
E709431 Dup	0.009	
E709445 Orig	< 0.005	
E709445 Dup	< 0.005	
E709451 Orig	0.009	
E709451 Split	0.009	
E709455 Orig	< 0.005	
E709455 Dup	< 0.005	
E709465 Orig	< 0.005	
E709465 Dup	< 0.005	
E709479 Orig	0.008	
E709479 Dup	0.009	
E709489 Orig	0.012	
E709489 Dup	0.012	
E709499 Orig	0.058	
E709499 Dup	0.056	
E709501 Orig	0.006	
E709501 Split	0.005	
E709513 Orig	0.013	
E709513 Dup	0.013	
E705394 Orig	0.208	
E705394 Dup	0.198	
E705409 Orig	0.024	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705409 Dup	0.028	
E705411 Orig	0.015	
E705411 Split	0.014	
E705419 Orig	0.141	
E705419 Dup	0.173	
E705429 Orig	< 0.005	
E705429 Dup	< 0.005	
E705443 Orig	2.88	
E705443 Dup	2.66	
E705453 Orig	1.98	
E705453 Dup	1.70	
E705461 Orig	0.019	
E705461 Split	0.025	
E705477 Orig	0.035	
E705477 Dup	0.038	
E705487 Orig	0.016	
E705487 Dup	0.019	
E705497 Orig	0.020	
E705497 Dup	0.020	
E705511 Orig	0.025	
E705511 Split	0.024	
E705512 Orig	0.112	
E705512 Dup	0.107	
E705522 Orig	0.259	
E705522 Dup	0.240	
E705532 Orig	0.414	
E705532 Dup	0.442	
E705546 Orig	3.08	
E705546 Dup	3.13	
E705556 Orig	0.019	
E705556 Dup	0.019	
E705561 Orig	0.191	
E705561 Split	0.243	
E705566 Orig	2.53	
E705566 Dup	2.38	
E705579 Orig	< 0.005	
E705579 Dup	< 0.005	
E705589 Orig	0.022	
E705589 Dup	0.024	
E705601 Orig	0.005	
E705601 Dup	0.006	
E705611 Orig	0.005	
E705611 Split	0.005	
E705615 Orig	< 0.005	
E705615 Dup	0.005	
E705625 Orig	> 10.0	
E705625 Dup	> 10.0	
E705649 Orig	1.18	
E705649 Dup	1.17	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705659 Orig	0.020	
E705659 Dup	0.020	
E705661 Orig	1.23	
E705661 Split	1.29	
E706205 Orig	0.018	
E706205 Dup	0.006	
E706219 Orig	0.010	
E706219 Dup	0.006	
E706229 Orig	0.021	
E706229 Dup	0.017	
E706239 Orig	0.060	
E706239 Dup	0.061	
E706247 Orig	< 0.005	
E706247 Split	< 0.005	
E706254 Orig	> 10.0	
E706254 Dup	> 10.0	
E706264 Orig	0.094	
E706264 Dup	0.069	
E706274 Orig	0.011	
E706274 Dup	0.011	
E706288 Orig	0.134	
E706288 Dup	0.138	
E706297 Orig	0.009	
E706297 Split	0.007	
E706298 Orig	0.013	
E706298 Dup	0.011	
E709536 Orig	0.033	
E709536 Dup	0.037	
E709551 Orig	0.010	
E709551 Dup	0.009	
E709561 Orig	< 0.005	
E709561 Dup	< 0.005	
E709571 Orig	0.011	
E709571 Dup	0.006	
E709575 Orig	0.019	
E709575 Split	0.017	
E709584 Orig	0.018	
E709584 Dup	0.018	
E709594 Orig	0.011	
E709594 Dup	0.011	
E709604 Orig	0.009	
E709604 Dup	0.010	
E709618 Orig	2.49	
E709618 Dup	2.65	
E709625 Orig	0.039	
E709625 Split	0.029	
E709628 Orig	0.011	
E709628 Dup	0.010	
E709638 Orig	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709638 Dup	< 0.005	
E720426 Orig	0.692	
E720426 Dup	0.741	
E720436 Orig	0.039	
E720436 Dup	0.036	
E720446 Orig	1.08	
E720446 Dup	1.05	
E706299 Orig	0.023	
E706299 Split	0.023	
E706305 Orig		13.8
E706305 Dup		14.4
E706311 Orig	0.023	
E706311 Dup	0.028	
E706321 Orig	0.013	
E706321 Dup	0.011	
E706331 Orig	0.016	
E706331 Dup	0.026	
E705776 Orig	0.034	
E705776 Dup	0.040	
E705781 Orig	0.166	
E705781 Split	0.117	
E705786 Orig	0.040	
E705786 Dup	0.052	
E705796 Orig	0.148	
E705796 Dup	0.222	
E705821 Orig	0.060	
E705821 Dup	0.068	
E705831 Orig	0.104	
E705831 Split	0.070	
E705832 Orig	< 0.005	
E705832 Dup	< 0.005	
E705844 Orig	0.014	
E705844 Dup	0.014	
E705854 Orig	0.165	
E705854 Dup	0.106	
E705864 Orig	0.037	
E705864 Dup	0.040	
E705879 Orig	0.043	
E705879 Dup	0.062	
E705881 Orig	0.053	
E705881 Split	0.052	
E705889 Orig	0.020	
E705889 Dup	0.027	
E705899 Orig	0.049	
E705899 Dup	0.049	
E705913 Orig	0.047	
E705913 Dup	0.054	
E705923 Orig	0.041	
E705923 Dup	0.043	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705931 Orig	0.042	
E705931 Split	0.017	
E705933 Orig	0.059	
E705933 Dup	0.077	
E720453 Orig	0.009	
E720453 Dup	0.008	
E720463 Orig	0.012	
E720463 Dup	0.015	
E720473 Orig	0.086	
E720473 Dup	0.093	
E720486 Orig	< 0.005	
E720486 Split	< 0.005	
E709652 Orig	< 0.005	
E709652 Dup	< 0.005	
E709662 Orig	< 0.005	
E709662 Dup	< 0.005	
E709672 Orig	0.030	
E709672 Dup	0.030	
E709686 Orig	0.016	
E709686 Dup	0.016	
E709696 Orig	0.049	
E709696 Dup	0.072	
E709701 Orig	0.068	
E709701 Split	0.045	
E709706 Orig	0.018	
E709706 Dup	0.013	
E709721 Orig	0.067	
E709721 Dup	0.067	
E709729 Orig	0.014	
E709729 Dup	0.011	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	0.005	
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Method Blank	< 0.005	



Date Submitted: 27-Feb-16
Invoice No.: A16-01607
Invoice Date: 09-Mar-16
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

682 Core samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A16-01607**

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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 written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705943	0.073	
E705944	0.064	
E705945	0.081	
E705946	0.029	
E705947	0.052	
E705948	4.17	
E705949	> 10.0	13.2
E705950	3.55	
E705951	7.70	
E705952	0.089	
E705953	0.544	
E705954	0.065	
E705955	0.167	
E705956	0.164	
E705957	3.12	
E705958	1.96	
E705959	2.12	
E705960	< 0.005	
E705961	2.01	
E705962	> 10.0	16.7
E705963	4.47	
E705964	1.05	
E705965	2.96	
E705966	3.60	
E705967	4.90	
E705968	0.597	
E705969	> 10.0	21.7
E705970	7.91	
E705971	9.78	
E705972	> 10.0	11.2
E705973	> 10.0	12.1
E705974	> 10.0	16.0
E705975	> 10.0	38.3
E705976	4.17	
E705977	1.29	
E705978	> 10.0	18.8
E705979	1.77	
E705980	0.005	
E705981	5.69	
E705982	3.40	
E705983	0.069	
E705984	0.050	
E705985	0.017	
E705986	0.023	
E705987	0.019	
E705988	0.025	
E705989	0.016	
E705990	3.51	
E705991	0.031	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705992	0.071	
E705993	0.029	
E705994	0.008	
E705995	0.049	
E705996	0.250	
E705997	0.239	
E705998	0.457	
E705999	0.020	
E706000	< 0.005	
E706001	0.033	
E706002	0.047	
E706003	0.037	
E706004	0.015	
E706005	0.007	
E706006	0.007	
E706007	0.008	
E706008	< 0.005	
E706009	0.006	
E706010	3.20	
E706011	0.011	
E706012	0.013	
E706013	0.008	
E706014	0.009	
E706015	0.007	
E706016	0.080	
E706017	0.014	
E706018	0.035	
E706019	0.034	
E706020	< 0.005	
E706021	0.032	
E706022	0.053	
E706023	> 10.0	20.8
E706024	2.88	
E709731	0.251	
E709732	0.126	
E709733	0.056	
E709734	0.030	
E709735	4.36	
E709736	0.044	
E709737	0.015	
E709738	0.067	
E709739	0.234	
E709740	< 0.005	
E709741	0.151	
E709742	0.224	
E709743	0.218	
E709744	0.221	
E709745	0.099	
E709746	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709747	0.015	
E709748	0.030	
E709749	0.025	
E709750	3.32	
E709751	0.020	
E709752	0.024	
E709753	0.115	
E709754	0.108	
E709755	0.100	
E709756	0.126	
E709757	0.053	
E709758	0.074	
E706025	1.58	
E706026	0.031	
E706027	0.022	
E706028	0.044	
E706029	0.019	
E706030	7.02	
E706031	0.062	
E706032	0.030	
E706033	0.154	
E706034	0.034	
E706035	2.29	
E706036	0.554	
E706037	2.12	
E706038	0.150	
E706039	0.078	
E706040	< 0.005	
E706041	0.043	
E706042	0.367	
E706043	0.028	
E706044	0.047	
E706045	0.043	
E706046	0.008	
E706047	0.005	
E706048	0.014	
E706049	0.006	
E706050	3.19	
E706051	0.009	
E706052	0.012	
E706053	0.021	
E706054	0.103	
E706055	0.036	
E706056	0.228	
E706057	0.173	
E706058	0.040	
E706059	0.027	
E706060	< 0.005	
E706061	0.280	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E706062	0.541	
E706063	0.036	
E706064	0.061	
E706065	0.035	
E706066	0.019	
E706067	0.146	
E706068	0.038	
E706069	0.011	
E706070	7.74	
E706071	0.015	
E706072	0.039	
E706073	0.039	
E706074	0.197	
E706075	0.038	
E706076	0.021	
E706077	0.013	
E706078	1.30	
E706079	> 10.0	21.7
E706080	0.005	
E706081	> 10.0	55.1
E706082	> 10.0	21.5
E706083	2.76	
E706084	3.56	
E706085	0.951	
E706086	4.05	
E706087	3.06	
E706088	7.39	
E706089	0.097	
E706090	3.17	
E706091	0.032	
E706092	0.046	
E706093	0.018	
E706094	0.053	
E706095	0.014	
E706096	0.025	
E706097	0.013	
E706098	0.009	
E706099	0.010	
E706100	< 0.005	
E706101	0.009	
E706102	0.011	
E706103	0.008	
E706104	0.008	
E706105	0.011	
E706106	0.009	
E706107	0.075	
E706108	0.078	
E706109	0.019	
E706110	3.41	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E706111	0.006	
E706112	0.008	
E706113	0.008	
E706114	0.011	
E706115	0.007	
E706116	0.009	
E706117	0.011	
E706118	0.012	
E706119	0.007	
E706120	< 0.005	
E706121	0.007	
E706122	0.006	
E706123	0.005	
E706124	0.010	
E706125	0.011	
E706126	0.007	
E706127	0.011	
E706128	0.014	
E706129	0.013	
E706130	7.98	
E706131	0.218	
E706132	0.022	
E706133	0.109	
E706134	2.55	
E706135	0.212	
E706136	5.51	
E706137	2.49	
E706138	0.013	
E706139	0.256	
E706140	< 0.005	
E706141	0.017	
E706142	0.013	
E706143	0.016	
E706144	0.101	
E706145	0.014	
E706146	0.005	
E706147	0.022	
E706148	0.025	
E706149	0.015	
E706150	3.34	
E706151	0.160	
E706152	0.852	
E706153	0.009	
E706154	0.005	
E706155	0.005	
E706156	0.041	
E706157	0.165	
E706158	0.207	
E706159	0.227	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E706160	< 0.005	
E709759	1.05	
E709760	< 0.005	
E709761	0.265	
E709762	0.057	
E709763	0.021	
E709764	0.021	
E709765	0.011	
E709766	0.029	
E709767	0.019	
E709768	< 0.005	
E709769	0.030	
E709770	7.83	
E709771	0.036	
E709772	0.070	
E709773	0.016	
E709774	0.017	
E709775	< 0.005	
E709776	< 0.005	
E709777	0.006	
E709778	< 0.005	
E709779	< 0.005	
E709780	< 0.005	
E709781	0.010	
E709782	0.005	
E709783	< 0.005	
E709784	< 0.005	
E709785	0.005	
E709786	0.007	
E709787	0.011	
E709788	0.013	
E709789	0.013	
E709790	3.18	
E709791	0.015	
E709792	0.011	
E709793	0.012	
E709794	0.007	
E709795	0.006	
E709796	0.006	
E709797	0.006	
E709798	0.007	
E709799	0.008	
E709800	< 0.005	
E709801	0.008	
E709802	0.013	
E709803	0.016	
E709804	0.019	
E709805	0.025	
E709806	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709807	0.173	
E709808	0.038	
E709809	0.016	
E709810	3.22	
E709811	0.006	
E709812	0.015	
E709813	0.006	
E709814	0.007	
E709815	0.012	
E709816	0.010	
E709817	0.010	
E709818	0.021	
E709819	0.058	
E709820	< 0.005	
E709821	0.302	
E709822	0.033	
E709823	0.010	
E709824	1.60	
E709825	0.392	
E709826	0.016	
E709827	0.015	
E709828	0.020	
E709829	0.011	
E709830	7.74	
E709831	0.049	
E709832	1.55	
E709833	0.073	
E709834	0.106	
E709835	0.036	
E709836	0.031	
E709837	0.198	
E709838	0.058	
E709839	0.023	
E709840	0.005	
E709841	0.022	
E709842	0.350	
E709843	0.154	
E709844	0.046	
E709845	0.139	
E709846	0.209	
E709847	0.577	
E709848	0.016	
E709849	0.024	
E709850	3.33	
E709851	0.008	
E709852	0.011	
E709853	0.073	
E709854	0.203	
E709855	0.084	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709856	0.007	
E709857	0.053	
E709858	0.027	
E709859	0.030	
E709860	< 0.005	
E709861	0.015	
E709862	0.076	
E709863	0.258	
E709864	0.670	
E709865	0.027	
E709866	0.104	
E709867	0.056	
E709868	0.096	
E709869	0.020	
E709870	8.10	
E709871	0.019	
E709872	0.011	
E709873	0.384	
E709874	0.229	
E709875	0.015	
E709876	0.007	
E709877	0.009	
E709878	0.022	
E709879	0.026	
E709880	< 0.005	
E709881	0.027	
E709882	0.088	
E709883	0.008	
E709884	0.011	
E709885	0.014	
E709886	1.29	
E709887	0.011	
E709888	0.009	
E709889	0.096	
E709890	3.19	
E709891	> 10.0	15.5
E709892	0.043	
E709893	0.084	
E709894	< 0.005	
E709895	< 0.005	
E709896	0.013	
E709897	0.015	
E709898	< 0.005	
E709899	0.011	
E709900	< 0.005	
E709901	0.010	
E709902	< 0.005	
E709903	0.010	
E709904	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709905	0.008	
E709906	0.035	
E709907	0.013	
E709908	< 0.005	
E709909	0.191	
E709910	3.34	
E709911	0.104	
E709912	0.010	
E709913	0.007	
E709914	< 0.005	
E709915	0.048	
E709916	0.215	
E709917	0.009	
E709918	0.011	
E709919	0.007	
E709920	< 0.005	
E709921	0.290	
E709922	0.014	
E709923	0.026	
E709924	0.526	
E709925	0.038	
E709926	0.132	
E709927	0.022	
E709928	0.039	
E709929	0.027	
E709930	7.09	
E709931	0.532	
E709932	0.039	
E709933	0.078	
E709934	6.64	
E709935	0.196	
E709936	0.017	
E709937	0.052	
E709938	0.054	
E709939	0.054	
E709940	< 0.005	
E709941	0.044	
E709942	0.125	
E709943	0.030	
E709944	0.203	
E709945	0.169	
E709946	0.048	
E709947	0.235	
E709948	0.016	
E709949	0.016	
E709950	3.46	
E709951	0.119	
E709952	0.024	
E709953	0.017	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709954	0.028	
E709955	0.117	
E709956	0.090	
E709957	0.026	
E709958	0.248	
E709959	0.023	
E709960	< 0.005	
E709961	0.380	
E709962	0.856	
E709963	0.441	
E709964	3.60	
E709965	1.15	
E709966	1.37	
E706161	0.087	
E706162	0.027	
E706163	5.93	
E706164	0.011	
E706165	0.017	
E706166	0.007	
E706167	0.078	
E706168	0.137	
E706169	> 10.0	12.7
E706170	7.92	
E706171	> 10.0	9.92
E706172	2.85	
E706173	0.067	
E706174	0.031	
E706175	0.741	
E706176	1.13	
E706177	0.459	
E706178	0.230	
E706179	0.097	
E706180	< 0.005	
E706181	0.196	
E706182	4.05	
E706183	0.007	
E706184	0.131	
E706185	0.064	
E706186	0.150	
E706187	0.022	
E706188	0.096	
E706189	0.189	
E706190	3.29	
E706191	0.245	
E706192	0.061	
E706193	0.158	
E706194	0.170	
E706195	0.416	
E706196	0.144	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E706197	0.689	
E706198	0.877	
E706199	0.414	
E706200	< 0.005	
E706201	0.006	
E706202	< 0.005	
E705667	0.007	
E705668	0.022	
E705669	0.040	
E705670	7.74	
E705671	0.105	
E705672	0.477	
E705673	0.262	
E705674	0.042	
E705675	0.513	
E705676	0.021	
E705677	0.016	
E705678	0.065	
E705679	0.075	
E705680	< 0.005	
E705681	< 0.005	
E705682	0.006	
E705683	0.019	
E705684	0.054	
E705685	0.014	
E705686	0.009	
E705687	0.007	
E705688	0.009	
E705689	0.182	
E705690	3.27	
E705691	0.008	
E705692	0.011	
E705693	0.036	
E705694	0.023	
E705695	0.382	
E705696	0.014	
E705697	0.013	
E705698	0.031	
E705699	0.056	
E705700	< 0.005	
E705701	0.604	
E705702	0.121	
E705703	0.125	
E705704	1.03	
E705705	3.26	
E705706	0.140	
E705707	0.105	
E705708	0.013	
E705709	0.017	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E705710	3.29	
E705711	0.013	
E705712	0.018	
E705713	0.011	
E705714	0.009	
E705715	0.012	
E705716	0.018	
E705717	0.095	
E705718	0.039	
E705719	0.041	
E705720	0.005	
E705721	0.787	
E705722	0.033	
E705723	0.165	
E720487	0.388	
E720488	0.052	
E720489	2.59	
E720490	3.39	
E720491	4.47	
E720492	0.030	
E720493	0.008	
E720494	0.009	
E720495	0.017	
E720496	0.022	
E720497	0.011	
E720498	0.005	
E720499	0.010	
E720500	< 0.005	
E720501	0.005	
E720502	0.043	
E720503	0.060	
E720504	0.070	
E720505	0.028	
E720506	0.017	
E720507	0.019	
E720508	0.057	
E720509	7.51	
E720510	3.43	
E720511	0.026	
E720512	0.009	
E720513	0.011	
E720514	0.006	
E720515	< 0.005	
E720516	< 0.005	
E720517	0.010	
E720518	0.010	
E720519	3.67	
E720520	< 0.005	
E720521	9.34	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720522	0.024	
E720523	0.011	
E720524	0.009	
E720525	0.019	
E720526	0.164	
E720527	0.657	
E720528	0.959	
E720529	0.345	
E720530	6.46	
E720531	0.005	
E720532	0.007	
E720533	< 0.005	
E720534	0.006	
E720535	< 0.005	
E720536	< 0.005	
E720537	0.007	
E720538	2.26	
E720539	0.010	
E720540	< 0.005	
E720541	0.007	
E720542	0.012	
E720543	0.223	
E720544	0.240	
E720545	0.037	
E720546	0.024	
E720547	0.022	
E720548	< 0.005	
E720549	0.140	
E720550	2.87	
E720551	0.197	
E720552	0.475	
E720553	0.487	
E720554	1.86	
E720555	1.51	
E720556	0.907	
E720557	0.801	
E720558	1.54	
E720559	0.888	
E720560	< 0.005	
E720561	3.74	
E720562	> 10.0	11.4
E720563	0.033	
E720564	4.42	
E720565	2.94	
E720566	0.122	
E720567	1.06	
E720568	0.079	
E720569	0.153	
E720570	7.25	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720571	4.93	
E720572	0.036	
E720573	0.049	
E720574	0.029	
E720575	0.060	
E720576	0.035	
E720577	0.134	
E720578	0.019	
E720579	0.043	
E720580	< 0.005	
E720581	0.015	
E720582	0.024	
E720583	0.037	
E720584	0.043	
E720585	1.20	
E720586	0.015	
E720587	0.038	
E720588	0.025	
E720589	0.070	
E720590	3.16	
E720591	0.268	
E720592	0.629	
E720593	0.080	
E720594	0.005	
E720595	0.086	
E720596	0.017	
E720597	0.062	
E720598	0.057	
E720599	0.094	
E720600	< 0.005	
E720601	0.316	
E720602	0.073	
E720603	0.334	
E720604	0.570	
E720605	1.58	
E720606	0.079	
E720607	0.549	
E720608	0.330	
E720609	0.166	
E720610	3.45	
E720611	0.050	
E720612	0.038	
E720613	0.116	
E720614	0.095	
E720615	0.093	
OxK94 Meas		3.61
OxK94 Cert		3.56
OxP 91 Meas		15.0
OxP 91 Cert		14.82

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OxD108 Meas	0.416	
OxD108 Cert	0.414	
OxD108 Meas	0.422	
OxD108 Cert	0.414	
OxD108 Meas	0.421	
OxD108 Cert	0.414	
OxD108 Meas	0.405	
OxD108 Cert	0.414	
OxD108 Meas	0.437	
OxD108 Cert	0.414	
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxD108 Meas	0.417	
OxD108 Cert	0.414	
OxD108 Meas	0.419	
OxD108 Cert	0.414	
OxD108 Meas	0.410	
OxD108 Cert	0.414	
OxD108 Meas	0.427	
OxD108 Cert	0.414	
OxD108 Meas	0.428	
OxD108 Cert	0.414	
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxD108 Meas	0.427	
OxD108 Cert	0.414	
OxD108 Meas	0.431	
OxD108 Cert	0.414	
OxD108 Meas	0.433	
OxD108 Cert	0.414	
OxD108 Meas	0.408	
OxD108 Cert	0.414	
OxD108 Meas	0.414	
OxD108 Cert	0.414	
OxD108 Meas	0.415	
OxD108 Cert	0.414	
OxD108 Meas	0.420	
OxD108 Cert	0.414	
OxD108 Meas	0.432	
OxD108 Cert	0.414	
SF85 Meas	0.868	
SF85 Cert	0.848	
SF85 Meas	0.846	
SF85 Cert	0.848	
SF85 Meas	0.864	
SF85 Cert	0.848	
SF85 Meas	0.848	
SF85 Cert	0.848	
SF85 Meas	0.871	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
SF85 Cert	0.848	
SF85 Meas	0.824	
SF85 Cert	0.848	
SF85 Meas	0.844	
SF85 Cert	0.848	
SF85 Meas	0.873	
SF85 Cert	0.848	
SF85 Meas	0.813	
SF85 Cert	0.848	
SF85 Meas	0.820	
SF85 Cert	0.848	
SF85 Meas	0.873	
SF85 Cert	0.848	
SF85 Meas	0.884	
SF85 Cert	0.848	
SF85 Meas	0.843	
SF85 Cert	0.848	
SF85 Meas	0.823	
SF85 Cert	0.848	
SF85 Meas	0.851	
SF85 Cert	0.848	
SF85 Meas	0.860	
SF85 Cert	0.848	
SF85 Meas	0.867	
SF85 Cert	0.848	
SF85 Meas	0.812	
SF85 Cert	0.848	
SF85 Meas	0.817	
SF85 Cert	0.848	
SF85 Meas	0.878	
SF85 Cert	0.848	
SF85 Meas	0.868	
SF85 Cert	0.848	
E705962 Orig	> 10.0	
E705962 Dup	> 10.0	
E705972 Orig	> 10.0	
E705972 Dup	> 10.0	
E705987 Orig	0.019	
E705987 Dup	0.018	
E705992 Orig	0.071	
E705992 Split	0.093	
E705997 Orig	0.239	
E705997 Dup	0.272	
E706007 Orig	0.008	
E706007 Dup	0.008	
E706021 Orig	0.032	
E706021 Dup	0.025	
E706023 Orig		20.8
E706023 Dup		19.1

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709737 Orig	0.015	
E709737 Dup	0.012	
E709747 Orig	0.015	
E709747 Dup	0.015	
E709748 Orig	0.030	
E709748 Split	0.026	
E706027 Orig	0.022	
E706027 Dup	0.022	
E706047 Orig	0.005	
E706047 Dup	0.006	
E706061 Orig	0.280	
E706064 Orig	0.061	
E706064 Split	0.071	
E706072 Orig	0.039	
E706072 Dup	0.038	
E706082 Orig	> 10.0	
E706082 Dup	> 10.0	
E706096 Orig	0.025	
E706096 Dup	0.011	
E706106 Orig	0.009	
E706106 Dup	0.009	
E706114 Orig	0.011	
E706114 Split	0.009	
E706116 Orig	0.009	
E706116 Dup	0.010	
E706131 Orig	0.218	
E706131 Dup	0.205	
E706141 Orig	0.017	
E706141 Dup	0.012	
E706151 Orig	0.160	
E706151 Dup	0.187	
E709762 Orig	0.057	
E709762 Split	0.057	
E709773 Orig	0.016	
E709773 Dup	0.016	
E709783 Orig	< 0.005	
E709783 Dup	< 0.005	
E709797 Orig	0.006	
E709797 Dup	0.007	
E709807 Orig	0.173	
E709807 Dup	0.160	
E709812 Orig	0.015	
E709812 Split	0.019	
E709817 Orig	0.010	
E709817 Dup	0.008	
E709831 Orig	0.049	
E709831 Dup	0.041	
E709841 Orig	0.022	
E709841 Dup	0.022	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E709851 Orig	0.008	
E709851 Dup	0.009	
E709862 Orig	0.076	
E709862 Split	0.067	
E709866 Orig	0.104	
E709866 Dup	0.099	
E709876 Orig	0.007	
E709876 Dup	0.007	
E709886 Orig	1.29	
E709886 Dup	1.33	
E709911 Orig	0.104	
E709911 Dup	0.078	
E709912 Orig	0.010	
E709912 Split	0.008	
E709921 Orig	0.290	
E709921 Dup	0.411	
E709934 Orig	6.64	
E709934 Dup	7.04	
E709944 Orig	0.203	
E709944 Dup	0.139	
E709954 Orig	0.028	
E709954 Dup	0.035	
E709961 Orig	0.380	
E709961 Dup	0.488	
E709962 Orig	0.856	
E709962 Split	0.795	
E706173 Orig	0.067	
E706173 Dup	0.061	
E706183 Orig	0.007	
E706183 Dup	0.010	
E706197 Orig	0.689	
E706197 Dup	0.682	
E705669 Orig	0.040	
E705669 Dup	0.043	
E705671 Orig	0.105	
E705671 Split	0.098	
E705681 Orig	< 0.005	
E705681 Dup	< 0.005	
E705695 Orig	0.382	
E705695 Dup	0.325	
E705705 Orig	3.26	
E705705 Dup	3.26	
E705715 Orig	0.012	
E705715 Dup	0.009	
E705721 Orig	0.787	
E705721 Split	0.671	
E720492 Orig	0.030	
E720492 Dup	0.017	
E720502 Orig	0.043	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
E720502 Dup	0.041	
E720512 Orig	0.009	
E720512 Dup	0.008	
E720526 Orig	0.164	
E720526 Dup	0.141	
E720533 Orig	< 0.005	
E720533 Split	< 0.005	
E720536 Orig	< 0.005	
E720536 Dup	< 0.005	
E720546 Orig	0.024	
E720546 Dup	0.025	
E720559 Orig	0.888	
E720559 Dup	0.942	
E720562 Orig		11.4
E720562 Dup		12.7
E720569 Orig	0.153	
E720569 Dup	0.143	
E720581 Orig	0.015	
E720581 Dup	0.019	
E720583 Orig	0.037	
E720583 Split	0.033	
E720594 Orig	0.005	
E720594 Dup	< 0.005	
E720604 Orig	0.570	
E720604 Dup	0.584	
E720614 Orig	0.095	
E720614 Dup	0.103	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.007	
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	0.006	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
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Method Blank	< 0.005	
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Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
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	
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Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

APPENDIX 3 – Detailed Breakdown of Expenses

LABOUR

Drill Hole ID	Item	Unit	Cost/Unit	Total
16-WEL-013	Field Technician	30 hours	\$36	\$1,080.00
16-WEL-013	Logging Geologist	46 hours	\$50	\$2,300.00
16-WEL-013	Core Cutter	38 hours	\$26	\$988.00
16-WEL-013	Assay (External)	423 samples	\$14	\$5,922.00
16-WEL-013	Sr. Geologist	5 hour	\$70	\$350.00
SUB TOTAL				\$10,640.00
16-WEL-014	Field Technician	4 hours	\$36	\$144.00
16-WEL-014	Logging Geologist	6 hours	\$50	\$300.00
16-WEL-014	Core Cutter	0	\$26	\$0.00
16-WEL-014	Assay (External)	0 samples	\$14	\$0.00
16-WEL-014	Sr. Geologist	3 hour	\$70	\$210.00
SUB TOTAL				\$654.00
16-WEL-015	Field Technician	36 hours	\$36	\$1,296.00
16-WEL-015	Logging Geologist	56 hours	\$50	\$2,800.00
16-WEL-015	Core Cutter	48 hours	\$26	\$1,248.00
16-WEL-015	Assay (External)	551 samples	\$14	\$7,714.00
16-WEL-015	Sr. Geologist	6 hour	\$70	\$420.00
SUB TOTAL				\$13,478.00
16-WEL-016	Field Technician	0.75 hours	\$36	\$27.00
16-WEL-016	Logging Geologist	1 hours	\$50	\$50.00
16-WEL-016	Core Cutter	0	\$26	\$0.00
16-WEL-016	Assay (External)	0 samples	\$14	\$0.00
16-WEL-016	Sr. Geologist	2 hour	\$70	\$140.00
SUB TOTAL				\$217.00
16-WEL-017	Field Technician	32 hours	\$36	\$1,152.00
16-WEL-017	Logging Geologist	50 hours	\$50	\$2,500.00
16-WEL-017	Core Cutter	42 hours	\$26	\$1,092.00
16-WEL-017	Assay (External)	470 samples	\$14	\$6,580.00
16-WEL-017	Sr. Geologist	6 hour	\$70	\$420.00
SUB TOTAL				\$11,744.00
16-WEL-018	Field Technician	36 hours	\$36	\$1,296.00
16-WEL-018	Logging Geologist	56 hours	\$50	\$2,800.00
16-WEL-018	Core Cutter	50 hours	\$26	\$1,300.00
16-WEL-018	Assay (External)	569 samples	\$14	\$7,966.00
16-WEL-018	Sr. Geologist	7 hour	\$70	\$490.00
SUB TOTAL				\$13,852.00
16-WEL-024	Field Technician	35 hours	\$36	\$1,260.00
16-WEL-024	Logging Geologist	56 hours	\$50	\$2,800.00
16-WEL-024	Core Cutter	48 hours	\$26	\$1,248.00
16-WEL-024	Assay (External)	532 samples	\$14	\$7,448.00
16-WEL-024	Sr. Geologist	7 hour	\$70	\$490.00

SUB TOTAL				\$13,246.00
16-WEL-038	Field Technician	31 hours	\$36	\$1,116.00
16-WEL-038	Logging Geologist	48 hours	\$50	\$2,400.00
16-WEL-038	Core Cutter	39 hours	\$26	\$1,014.00
16-WEL-038	Assay (External)	445 samples	\$14	\$6,320.00
16-WEL-038	Sr. Geologist	6 hour	\$70	\$420.00
SUB TOTAL				\$11,270.00
16-WEL-039	Field Technician	26 hours	\$36	\$936.00
16-WEL-039	Logging Geologist	41 hours	\$50	\$2,050.00
16-WEL-039	Core Cutter	34 hours	\$26	\$884.00
16-WEL-039	Assay (External)	385 samples	\$14	\$5,390.00
16-WEL-039	Sr. Geologist	5 hour	\$70	\$350.00
SUB TOTAL				\$9,610.00
15-WEL-040	Field Technician	25 hours	\$36	\$900.00
15-WEL-040	Logging Geologist	39 hours	\$47	\$1,950.00
15-WEL-040	Core Cutter	25 hours	\$26	\$650.00
15-WEL-040	Assay (External)	282 samples	\$14	\$3,948.00
15-WEL-040	Sr. Geologist	5 hours	\$70	\$350.00
SUB TOTAL				\$7,798.00
TOTAL LABOUR				\$92,509.00

DRILLING

Drill Hole ID	Item			Cost
16-WEL-013	Move			\$18,071.18
16-WEL-013	Casing			\$420.26
16-WEL-013	Drilling			\$29,547.36
16-WEL-013	Standby			\$840.52
16-WEL-013	Grout/Survey			\$3,992.47
16-WEL-013	Supervision			\$4,830.38
16-WEL-013	Site Prep			\$2,975.00
16-WEL-013	Rentals			\$1,131.18
SUB TOTAL				\$61,808.35
16-WEL-014	Move			\$3,782.34
16-WEL-014	Casing			\$0.00
16-WEL-014	Drilling			\$3,316.14
16-WEL-014	Standby			\$1,155.72
16-WEL-014	Grout/Survey			\$210.13
16-WEL-014	Supervision			\$666.26
16-WEL-014	Site Prep			\$765.00
16-WEL-014	Rentals			\$266.16
SUB TOTAL				\$10,161.75
16-WEL-015	Move			\$3,572.21
16-WEL-015	Casing			\$420.26
16-WEL-015	Drilling			\$39,132.54
16-WEL-015	Standby			\$3,782.34
16-WEL-015	Grout/Survey			\$5,463.38
16-WEL-015	Supervision			\$2,998.17

16-WEL-015	Site Prep			\$170.00
16-WEL-015	Rentals			\$1,197.72
	SUB TOTAL			\$56,736.62
16-WEL-016	Move			\$2,521.56
16-WEL-016	Casing			\$840.52
16-WEL-016	Drilling			\$3,258.48
16-WEL-016	Standby			\$840.52
16-WEL-016	Grout/Survey			\$0.00
16-WEL-016	Supervision			\$399.75
16-WEL-016	Site Prep			\$1,020.00
16-WEL-016	Rentals			\$399.24
	SUB TOTAL			\$9,280.07
16-WEL-017	Move			\$630.39
16-WEL-017	Casing			\$420.26
16-WEL-017	Drilling			\$34,293.12
16-WEL-017	Standby			\$210.13
16-WEL-017	Grout/Survey			\$5,883.64
16-WEL-017	Supervision			\$2,331.91
16-WEL-017	Site Prep			\$1,020.00
16-WEL-017	Rentals			\$931.56
	SUB TOTAL			\$45,721.01
16-WEL-018	Move			\$10,716.63
16-WEL-018	Casing			\$0.00
16-WEL-018	Drilling			\$40,438.05
16-WEL-018	Standby			\$2,731.69
16-WEL-018	Grout/Survey			\$5,568.45
16-WEL-018	Supervision			\$4,863.69
16-WEL-018	Site Prep			\$2,890.00
16-WEL-018	Rentals			\$2,347.27
	SUB TOTAL			\$69,555.78
16-WEL-024	Move			\$3,362.08
16-WEL-024	Casing			\$840.52
16-WEL-024	Drilling			\$39,148.74
16-WEL-024	Standby			\$630.39
16-WEL-024	Grout/Survey			\$5,148.18
16-WEL-024	Supervision			\$1,998.78
16-WEL-024	Site Prep			\$1,360.00
16-WEL-024	Rentals			\$1,245.89
	SUB TOTAL			\$53,734.58
16-WEL-038	Move			\$2,731.69
16-WEL-038	Casing			\$0.00
16-WEL-038	Drilling			\$33,507.66
16-WEL-038	Standby			\$840.52
16-WEL-038	Grout/Survey			\$4,622.86
16-WEL-038	Supervision			\$2,331.91
16-WEL-038	Site Prep			\$1,700.00

16-WEL-038	Rentals			\$931.56
SUB TOTAL				\$46,666.20
16-WEL-039	Move			\$2,101.30
16-WEL-039	Casing			\$0.00
16-WEL-039	Drilling			\$25,535.52
16-WEL-039	Standby			\$630.39
16-WEL-039	Grout/Survey			\$5,778.58
16-WEL-039	Supervision			\$1,332.52
16-WEL-039	Site Prep			\$425.00
16-WEL-039	Rentals			\$532.32
SUB TOTAL				\$36,335.63
16-WEL-040	Move			\$11,347.02
16-WEL-040	Casing			\$0.00
16-WEL-040	Drilling			\$27,121.26
16-WEL-040	Standby			\$2,311.43
16-WEL-040	Grout/Survey			\$4,307.65
16-WEL-040	Supervision			\$2,065.40
16-WEL-040	Site Prep			\$2,805.00
16-WEL-040	Rentals			\$1,996.20
SUB TOTAL				\$51,953.96

TOTAL DRILLING \$441,953.95

OTHER

Item	Unit		Cost/Unit	Total
Core Shack Rental	3 month		\$4,700	\$14,100.00
Cut Shack Rental	3 month		\$2,600	\$7,800.00
Drill Mobilization (2 trucks)	flat rate/truck		\$7,688	\$15,375.00
Camp costs for Drillers (5)	105 days (5 people)		\$80/day	\$42,000.00
Drill Unload and Staging - Equipment	6 hours		\$102	\$612.00
Drill Loading - Equipment	6 hours		\$102	\$612.00
Report Writing - Logging Geo	20 hours		\$50/hr	\$1,000.00
Report Verification - Sr. Geo	8 hours		\$70/hr	\$560.00
Core Boxes - NQ two row	1220 boxes		\$5.75/box	\$7,015.00

TOTAL OTHER \$89,074.00

GRAND TOTAL \$623,536.95

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-013**

Project: **WEL**

Mine Grid Easting: 8100.72
 Mine Grid Northing: 11751.276
 Elevation: 5298.989

Planned Depth(m): 417
 Actual Depth (m): 417
 Core Diameter: NQ2

Drill Start Date: 1/12/2016
 Drill End Date: 1/16/2016

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test:

Target 2:

Result: NO RESULTS

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	90.4	-49.4	MAXI
3	90.8	-48.5	MAXI
6	91.1	-47.5	MAXI
9	91.1	-47.3	MAXI
12	91.1	-47.2	MAXI
15	91.2	-47.2	MAXI
18	91.2	-47.2	MAXI
21	91.3	-47.1	MAXI
24	91.3	-47.1	MAXI
27	91.3	-47.1	MAXI
30	91.3	-47	MAXI
33	91.4	-47	MAXI
36	91.4	-47	MAXI
39	91.4	-46.9	MAXI
42	91.4	-46.9	MAXI
45	91.5	-47	MAXI
48	91.5	-46.9	MAXI
51	91.5	-47	MAXI
54	91.5	-46.9	MAXI
57	91.5	-46.9	MAXI
60	91.5	-46.9	MAXI
63	91.5	-46.9	MAXI
66	91.5	-46.9	MAXI
69	91.4	-46.9	MAXI
72	91.4	-46.9	MAXI
75	91.4	-46.9	MAXI
78	91.3	-46.9	MAXI
81	91.3	-46.9	MAXI
84	91.3	-46.9	MAXI
87	91.2	-46.8	MAXI
90	91.1	-46.8	MAXI
93	91	-46.7	MAXI
96	91	-46.6	MAXI
99	90.9	-46.6	MAXI
102	90.8	-46.5	MAXI
105	90.8	-46.4	MAXI
108	90.8	-46.4	MAXI
111	90.8	-46.4	MAXI
114	90.8	-46.4	MAXI
117	90.9	-46.3	MAXI
120	90.9	-46.3	MAXI
123	91	-46.3	MAXI
126	91	-46.3	MAXI
129	91.1	-46.3	MAXI
132	91.2	-46.2	MAXI
135	91.2	-46.3	MAXI
138	91.3	-46.2	MAXI
141	91.3	-46.1	MAXI
144	91.4	-46.1	MAXI
147	91.4	-46.1	MAXI
150	91.5	-46	MAXI
153	91.5	-46	MAXI
156	91.6	-46	MAXI
159	91.6	-46	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-013**

Project: **WEL**

Mine Grid Easting: 8100.72

Planned Depth(m): 417

Drill Start Date: 1/12/2016

Mine Grid Northing: 11751.276

Actual Depth (m): 417

Drill End Date: 1/16/2016

Elevation: 5298.989

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test:

Target 2:

Result: NO RESULTS

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	91.7	-46	MAXI
165	91.7	-45.9	MAXI
168	91.8	-45.9	MAXI
171	91.8	-45.9	MAXI
174	91.9	-45.9	MAXI
177	91.9	-45.9	MAXI
180	92	-45.8	MAXI
183	92	-45.8	MAXI
186	92	-45.8	MAXI
189	92.1	-45.7	MAXI
192	92.1	-45.8	MAXI
195	92.2	-45.7	MAXI
198	92.3	-45.7	MAXI
201	92.3	-45.7	MAXI
204	92.4	-45.6	MAXI
207	92.4	-45.6	MAXI
210	92.5	-45.5	MAXI
213	92.5	-45.5	MAXI
216	92.6	-45.5	MAXI
219	92.6	-45.5	MAXI
222	92.7	-45.4	MAXI
225	92.7	-45.4	MAXI
228	92.8	-45.4	MAXI
231	92.9	-45.4	MAXI
234	92.9	-45.4	MAXI
237	92.9	-45.3	MAXI
240	92.9	-45.3	MAXI
243	92.7	-45.2	MAXI
246	92.6	-45.1	MAXI
249	92.6	-44.9	MAXI
252	92.6	-44.9	MAXI
255	92.6	-44.7	MAXI
258	92.7	-44.7	MAXI
261	92.7	-44.6	MAXI
264	92.8	-44.5	MAXI
267	92.8	-44.5	MAXI
270	92.9	-44.4	MAXI
273	93	-44.4	MAXI
276	93	-44.4	MAXI
279	93.2	-44.3	MAXI
282	93.2	-44.3	MAXI
285	93.3	-44.2	MAXI
288	93.3	-44.1	MAXI
291	93.4	-44.1	MAXI
294	93.4	-44.1	MAXI
297	93.5	-44	MAXI
300	93.5	-44.1	MAXI
303	93.5	-44.1	MAXI
306	93.5	-44	MAXI
309	93.6	-44	MAXI
312	93.6	-44	MAXI
315	93.6	-44	MAXI
318	93.6	-43.9	MAXI
321	93.5	-43.8	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-013**

Project: **WEL**

Mine Grid Easting: 8100.72

Planned Depth(m): 417

Drill Start Date: 1/12/2016

Mine Grid Northing: 11751.276

Actual Depth (m): 417

Drill End Date: 1/16/2016

Elevation: 5298.989

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test:

Target 2:

Result: NO RESULTS

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	93.5	-43.8	MAXI
327	93.4	-43.7	MAXI
330	93.4	-43.7	MAXI
333	93.4	-43.6	MAXI
336	93.4	-43.6	MAXI
339	93.4	-43.6	MAXI
342	93.4	-43.5	MAXI
345	93.4	-43.4	MAXI
348	93.5	-43.2	MAXI
351	93.5	-43.1	MAXI
354	93.5	-43.1	MAXI
357	93.4	-43	MAXI
360	93.4	-42.9	MAXI
363	93.4	-42.9	MAXI
366	93.4	-42.8	MAXI
369	93.4	-42.8	MAXI
372	93.5	-42.7	MAXI
375	93.5	-42.6	MAXI
378	93.6	-42.6	MAXI
381	93.6	-42.6	MAXI
384	93.63	-42.51	MAXI
387	93.66	-42.46	MAXI
390	93.69	-42.4	MAXI
393	93.73	-42.35	MAXI
396	93.76	-42.3	MAXI
399	93.79	-42.25	MAXI
402	93.83	-42.2	MAXI
405	93.86	-42.15	MAXI
408	93.89	-42.1	MAXI
411	93.93	-42.05	MAXI
414	93.96	-42	MAXI
417	93.99	-41.94	MAXI

16-WEL-013

Depth	MAJOR UNIT			MINERALS								QTZ VEINING								FABRIC						FOLD						FAULT							
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments			
45																			45	45.1	35	MOD	S1																
50	11.2	62.3	2					0.25		trace po-py occur as fine grained disseminations in qtz veins and rarely in the groundmass associated with bio alt.	11.2	62.3	QZ-CA	4	m	S																							
55																			55	55.1	45	MOD	S1																
60																			61	61.1	30	MOD	S1																
65	62.3	67	6W					0.5		f.g. diss																													
70								1.5		f.g. diss									67	67.1	20	MOD	S1																
75	67	88.7	4F					2	0.25										69	69.1	40	MOD	S1																

abundant gouge: minor carb healing; crubby rock.

moderate gouge <5mm thick

78 79 85 MOD FD

16-WEL-013

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT															
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments							
186.1	247.3	2									186.1	244.8	QZ-CA	5	m	S			244.5	244.6	45	MOD	S1																				
246	247.5										246	247.5	CA	7	m	D									246	247.6	70	MOD	E														
247.3	248.5	4E						6	1										250.3	250.4	75	MOD	S1		251.5	251.6	50	MOD	D	FD													
248.5	265.5	4F						1.5		f.g. blebby stringers									253	253.5	45	MOD	D	FD																			
260																			260	260.1	50	MOD	S1		261	263	30	MOD	D	FD													
265.5	266.5	2K																																									
266.5	332	4H						1.5		fine grained disseminations and wisps									271	271.1	15	MOD	S1																				
272.7	273																									272.7	273	10	WEK		BR												
276	277.3																									276	277.3	20	MOD	E		BR											

slicken fault plane at ~5-10 degrees to CA as well

MOD E BR Methane Fault BR

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Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC						FOLD						FAULT								
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments		
390	407.2	4F																	400	400.1	40	MOD	S1															
405																				405.8	405.9	85	MOD	FD														
407.2	410.9	4F																																				
410																				410	410.1	45	MOD	S1														
410.9	417	3F																																				
415																																						
420																																						
425																																						
430																																						
435																																						

main shear zone
smaller shear/high strain zone
smaller shear/high strain zone

16-WEL-013

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
5					0	10.6																
10					10.6	11.2	44-51 NG			cobbles and boulders												
11.2	E736227	11.2	12	0.028	11.2	62.3	2	DG	FOL	Dark green; f.g.; mod foliated to massive (m.g. crystalline texture); Patchy pervasive bio alt - spotty alteration texture. 3-4% widely spaced qtz carb veins +/- amph selvages.	Trace to .5% po-py occurs in qtz veins - rarely occurs as fine disseminations in groundmass. Large fault from 54-57m - abundant gouge. Gradational LC - small bands of 6 intercalated in lower 2m.	W										
12	E736228	12	13	0.019																		
13	E736229	13	14	0.017																		
14	E736231	14	15	0.012																		
15	E736232	15	16	0.012																		
16	E736233	16	17	0.043																		
17	E736234	17	18	0.017																		
18	E736235	18	19	0.015																		
19	E736236	19	20	0.019																		
20	E736237	20	21	0.014																		
21	E736238	21	22	0.017																		
22	E736239	22	23	0.018																		
23	E736241	23	24	0.026																		
24	E736242	24	25	0.018																		
25	E736243	25	26	0.016																		
26	E736244	26	27	0.011																		
27	E736245	27	28	0.011																		
28	E736246	28	29	0.007																		
29	E736247	29	30	0.009																		
30	E736248	30	31	0.011																		
31	E736249	31	32	0.012																		
32	E736251	32	33	0.009																		
33	E736252	33	34	0.012																		
34	E736253	34	35	0.01																		
35	E736254	35	36	0.006																		
36	E736255	36	37	0.031																		
37	E736256	37	38	16																		
38	E736257	38	39	0.009																		
39	E736258	39	40	0.005																		
40	E736259	40	41	0.006																		

16-WEL-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E736259	40	41	0.006	11.2	62.3	2	DG	FOL	Dark green; f.g.; mod foliated to massive (m.g. crystalline texture); Patchy pervasive bio alt – spotty alteration texture. 3-4% widely spaced qtz carb veins +/- amph selvages.	Trace to .5% po-py occurs in qtz veins – rarely occurs as fine disseminations in groundmass. Large fault from 54-57m – abundant gouge. Gradational LG – small bands of 6 intercalated in lower 2m.											
	E736261	41	42	0.013																		
	E736262	42	43	0.005																		
	E736263	43	44	0.009																		
	E736264	44	45	0.005																		
44	E736265	45	46	0.019																		
	E736266	46	47	0.061																		
	E736267	47	48	0.009																		
	E736268	48	49	0.008																		
	E736269	49	50	0.013																		
50	E736271	50	51	0.008																		
	E736272	51	52	0.005																		
	E736273	52	53	0.005																		
	E736274	53	54	0.005																		
	E736275	54	55	0.005																		
	E736276	55	56	0.005																		
	E736277	56	57	0.006																		
	E736278	57	58	0.006																		
	E736279	58	59	0.005																		
60	E736281	59	60	0.006																		
	E736282	60	61	0.005																		
	E736283	61	61.6	0.005																		
	E736284	61.6	62.3	0.005																		
	E736285	62.3	63	0.005																		
	E736286	63	64	0.005	62.3	67	6W	B	FOL	Brown; fine grained; well foliated meta-sediment – transitional unit into 4F. 2-5% medium to coarse grained grt porphyroblasts – subhedral to anhedral. Upper 2m moderately faulted. Weak amph alt associated with fault and fractures.	Trace to 1% fine grained diss cp-py-po. Gradational LC.											
65	E736287	64	65	0.005																		
	E736288	65	66	0.005																		
	E736289	66	67	0.016	67	88.7	4F	B	POR BL	Brown-maroon; fine grained; well foliated 4F – 10-15% intercalated bands of mineralized 4E – moderately folded; 1-2cm; medium to v.c.g. grt porphyroblasts – 10-25%. Patchy medium grained staurolite 5-15%.	2-3% f.g. diss po-py within 4E bands. 1-2% fine grained po within 4F groundmass. Sharp LC.											
	E736291	67	68	0.054																		
	E736292	68	69	0.037																		
70	E736293	69	70	0.005																		
	E736294	70	71	0.005																		
	E736295	71	72	0.005																		
	E736296	72	73	0.005																		
	E736297	73	74	0.005																		
	E736298	74	75	0.005																		
	E736299	75	76	0.024																		
75	E736301	76	77	0.005																		
	E736302	77	78	0.005																		
	E736303	78	79	0.008																		
	E736304	79	80	0.005																		
	E736305	80	81	0.005																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments		
83	E736305	80	81	0.005	67	88.7	4F	B	POR BL	Brown-maroon; fine grained; well foliated 4F - 10-15% intercalated bands of mineralized 4E - moderately folded; 1-2cm; medium to v.c.g. grt porphyroblasts - 10-25%. Patchy medium grained staurolite 5-15%.	2-3% f.g. diss po-py within 4E bands. 1-2% fine grained po within 4F groundmass. Sharp LC.												
	E736306	81	82	0.005																			
	E736307	82	83	0.005																			
	E736308	83	84	0.005																			
	E736309	84	85	0.005																			
	E736311	85	86	0.005																			
	E736312	86	87	0.005																			
	E736313	87	88	0.008																			
	E736314	88	88.7	0.005																			
90	E736315	88.7	89.3	0.012	88.7	93.8	4EF	B	FOL	Brown-maroon-green; fine grained; well foliated intercalated 4F-4E 60:40. 5% qtz veins within 4E bands. ~10% chert-mag bands within 4E bands. Poorly developed 4F in lower 1m - bordering on 6W. 3-5% blebby fine grained py-po in 4E bands. Sharp LC.													
	E736316	89.3	90	0.01																			
	E736317	90	91	0.044																			
	E736318	91	92	0.181																			
	E736319	92	93	0.04																			
	E736321	93	93.8	0.007																			
	E736322	93.8	94.5	0.005																			
95	E736323	94.5	95.5	0.008	93.8	111.5	2	DG	FOL	Dark green; fine grained to aphanitic; massive to moderately foliated; patchy weak to mod bio alt associated with high strain zones. Mod to strong silica alt throughout. Local high strain zones - strongly qtz flooded - well mineralized 2-7%.	possible ultra mafic from 93.8 to ~96.5m - no change in mag sus - lighter green - less biotite. 5-8% med grained grts within HZ from 98.4-102.3m - intercalated 4E or possibly fluid induced. Lower contact marked by shear zone.												
	E736324	95.5	96.5	0.007																			
	E736325	96.5	97.5	0.011																			
	E736326	97.5	98.5	0.18																			
	E736327	98.5	99.5	1.32																			
100	E736328	99.5	100.5	1.24																			
	E736329	100.5	101.5	0.996																			
	E736331	101.5	102.3	1.04																			
	E736332	102.3	103.3	0.046																			
	E736333	103.3	104.3	0.031																			
105	E736334	104.3	105.3	0.036																			
	E736335	105.3	106.3	0.037																			
	E736336	106.3	107.3	0.107																			
	E736337	107.3	108.3	0.16																			
	E736338	108.3	109.3	0.026																			
110	E736339	109.3	110	1.94																			
	E736341	110	110.8	0.032																			
	E736342	110.8	111.5	0.031																			
	E736343	111.5	112	0.59																			
	E736344	112	113	3.82																			
115	E736345	113	114	0.595	111.5	116.9	4F	B	POR BL	Brown-maroon; fine grained; well-developed 4F; 20-30% medium grained grt porphyroblasts. Locally foliated. Smoky qtz veins concentrated at contacts - contain 2-4% blebby f.g. po. Mod pervasive silica alt Non-mag. Sharp LC.													
	E736346	114	115	0.016																			
	E736347	115	116	0.013																			
	E736348	116	116.9	0.096																			
	E736349	116.9	117.5	0.018																			
	E736351	117.5	118	0.005																			
	E736352	118	119	0.008	116.9	128.7	2	DG	FOL	Dark green; fine grained to aphanitic; massive to moderately foliated; patchy mod bio-amph alt associated with high strain zones. Mod to strong silica alt throughout. Local high strain zones - strongly qtz flooded - well mineralized 2-7%.	f.g. stringers of magnetite in high strain zones.												
	E736353	119	120	0.022																			
	E736354	120	121	0.136																			

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E736354	120	121	0.136	116.9	128.7	2	DG	FOL	Dark green; fine grained to aphanitic; massive to moderately foliated; patchy mod bio-amph alt associated with high strain zones. Mod to strong silica alt throughout. Local high strain zones – strongly qtz flooded – well mineralized 2-7%.	f.g. stringers of magnetite in high strain zones.											
	E736355	121	122	0.82																		
	E736356	122	123	0.023																		
	E736357	123	124	0.02																		
	E736358	124	125	0.198																		
	E736359	125	126	0.931																		
	E736361	126	127	0.407																		
	E736362	127	128	0.186																		
	E736363	128	128.7	0.041																		
	E736364	128.7	129.4	0.022																		
	E736365	129.4	130	0.059	128.7	148.4	2	LG	FOL	Light to medium green; fine grained; Mod foliated. Strongly silicified. Mafic flow – possibly an ultra mafic. Non magnetic – low magus. No talc or serpentine. Patchy incipient bio alt. 3-5% astymosing smoky qtz veins. 3-4% carb-qtz veins.	Trace to 3% fine grained po – increase in high strain zone – Trace cp. Sharp LC.											
	E736366	130	131	0.023																		
	E736367	131	132	0.023																		
	E736368	132	133	0.008																		
	E736369	133	134	0.015																		
	E736371	134	135	0.011																		
	E736372	135	136	0.016																		
	E736373	136	137	0.009																		
	E736374	137	138	0.013																		
	E736375	138	139	0.008																		
	E736376	139	140	0.006																		
	E736377	140	141	0.013																		
	E736378	141	142	0.035																		
	E736379	142	143	0.02																		
	E736381	143	144	0.029																		
	E736382	144	145	0.026																		
	E736383	145	146	0.03																		
	E736384	146	147	0.022																		
	E736385	147	147.7	0.027																		
	E736386	147.7	148.4	0.031																		
	E736387	148.4	149	0.009																		
	E736388	149	150	0.008	148.4	168	4F	B	POR BL	Brown-maroon (minor green bands); fine grained bio groundmass – local weak amph bands – 10-15% to LC. 4F with intercalated 4E. Mod foliation. Mod folding. Patchy staurolite near UC – med to fine grained 10-15%. ~5% qtz veins.	1-2% f.g. disseminated po-py. Gradational LC – increase in 4E and chert bands.											
	E736389	150	151	0.006																		
	E736391	151	152	0.006																		
	E736392	152	153	0.005																		
	E736393	153	154	0.005																		
	E736394	154	155	0.005																		
	E736395	155	156	0.005																		
	E736396	156	157	0.005																		
	E736397	157	158	0.005																		
	E736398	158	159	0.005																		
	E736399	159	160	0.005																		
	E736401	160	161	0.005																		

16-WEL-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION															
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments								
	E736401	160	161	0.005	148.4	168	4F	B	POR BL	Brown-maroon (minor green bands); fine grained bio groundmass – local weak amph bands – 10-15% to LC. 4F with intercalated 4E. Mod foliation. Mod folding. Patchy staurolite near UC – med to fine grained 10-15%. ~5% qtz veins.	1-2% f.g. disseminated po-py. Gradational LC – increase in 4E and chert bands.																		
	E736402	161	162	0.005																									
	E736403	162	163	0.005																									
	E736404	163	164	0.005																									
	E736405	164	165	0.005																									
	E736406	165	166	0.005																									
	E736407	166	167	0.005																									
	E736408	167	168	0.017																									
	E736409	168	169	0.022																									
	E736411	169	170	0.009	168	186.1	4EF	DG	DI	Green-brown-maroon; fine grained 4EF; highly folded throughout. 50% 4E; 30% 4F – remainder composed of qtz veins and chert-mag bands. Moderate grunerite alteration of 4E bands – 20-25%. Weak staurolite alt in 4F bands.	Well mineralized throughout – increased in qtz veined zones – 7-9% po-py-cp. Sharp LC.																		
	E736412	170	171	0.019																									
	E736413	171	172	0.081																									
	E736414	172	173	0.639																									
	E736415	173	174	0.014																									
	E736416	174	175	1.75																									
	E736417	175	176	1.3																									
	E736418	176	177	0.005																									
	E736419	177	178	0.007																									
	E736421	178	179	0.005																									
	E736422	179	180	0.005																									
	E736423	180	181	0.008																									
	E736424	181	182	0.015																									
	E736425	182	183	0.005																									
	E736426	183	184	0.005																									
	E736427	184	185	0.005																									
	E736428	185	185.5	0.007																									
	E736429	185.5	186.1	0.011																									
	E736431	186.1	187	0.005	186.1	247.3	2	DG	FOL	Dark green; fine to medium grained mafic flow; foliated to locally crystalline starting at 225m. Strong pervasive silica alt. Patchy weak to mod bio alt – associated with qtz veining 5-7% +/- amph bio selvages rare chlorite.	1-3% v.f.g disseminated po-cp throughout groundmass – f.g. blebs within qtz veining. Sharp LC – mod to high strain – patchy pervasive carb alt.																		
	E736432	187	188	0.005																									
	E736433	188	189	0.068																									
	E736434	189	190	0.089																									
	E736435	190	191	0.012																									
	E736436	191	192	0.034																									
	E736437	192	193	0.913																									
	E736438	193	194	0.005																									
	E736439	194	195	0.045																									
	E736441	195	196	0.034																									
	E736442	196	197	0.012																									
	E736443	197	198	0.011																									
	E736444	198	199	0.018																									
	E736445	199	200	0.011																									
	E736446	200	201	0.008																									

16-WEL-013

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E736491	240	241	0.005	186.1	247.3	2	DG	FOL	Dark green; fine to medium grained mafic flow; foliated to locally crystalline starting at 225m. Strong pervasive silica alt. Patchy weak to mod bio alt - associated with qtz veining 5-7% +/- amph bio selvages rare chlorite.	1-3% v.f.g disseminated po-cp throughout groundmass - f.g. blebs within qtz veining. Sharp LC - mod to high strain - patchy pervasive carb alt.											
	E736492	241	242	0.005																		
	E736493	242	243	0.006																		
	E736494	243	244	0.005																		
	E736495	244	245	0.005																		
245	E736496	245	246	0.007	247.3	248.5	4E	DG	POR BL	Dark green-maroon; fine grained; Moderately foliated; Weak to mod banding; 25-30% anhedral attenuated grs med to coarse grained. <5 chert bands. Moderately magnetic throughout - fine grained magnetite? Possibly magnetic po.	Strong qtz flooding -10%. 7-8% fine grained wispy po. Gradational LC.											
	E736497	246	246.6	0.005																		
	E736498	246.6	247.3	0.005																		
	E736499	247.3	247.9	3.79																		
	E736501	247.9	248.5	0.415																		
	E736502	248.5	249	0.013																		
	E736503	249	250	0.013																		
246	E736504	250	251	0.33																		
	E736505	251	252	0.013																		
	E736506	252	253	0.013																		
	E736507	253	254	0.008	248.5	265.5	4F	B	POR BL	Brown-maroon; fine grained bio groundmass (rare <5 amph bands near UC). 15-25% fine to med grained grt porphyroblasts. Moderately banded; mod to weak local folding. 1-2% thin carb veinlets and extensional fracture filling +/- chlorite.	Mod to strong brittle faults ~253-258m. Very localized magnetic bands associated with amph alt. 1-2% fine grained blebby stringers of po throughout. Sharp LC											
	E736508	254	255	0.008																		
	E736509	255	256	0.007																		
245	E736511	256	257	0.007																		
	E736512	257	258	0.098																		
	E736513	258	259	0.031																		
	E736514	259	260	0.09																		
	E736515	260	261	0.009																		
	E736516	261	262	0.009																		
	E736517	262	263	0.011																		
	E736518	263	264	0.008	265.5	266.5	2K	DG	FOL	Dark green; fine grained; well foliated mafic dyke. Moderately silica altered. ~1% thin carb veinlets; 1-2% smoky qtz veins. No visible min. Non-mag; Sharp semi-conformable contacts.												
245	E736519	264	265	0.007																		
	E736521	265	265.5	0.005																		
	E736522	265.5	266.5	0.014																		
	E736523	266.5	267	0.033																		
	E736524	267	268	0.011	266.5	332	4F	B	POR BL	Brown-maroon; fine grained bio groundmass. 25-40% fine to med grained grt porphyroblasts. Moderately banded; WK to Mod local folding. 284.7-287.5m - green bands - appears to be small mafic dykelets - bio groundmass very soft (rotten).	Local mod pervasive silica alt. Local m.g. staurolite. Numerous small brittle fractures. 1-3% fine grained blebby stringers of po - patchy. Rare carb veinlets. Sporadic qtz veins associated with high strain zones. Sharp LC.											
	E736525	268	269	0.009																		
246	E736526	269	270	0.011																		
	E736527	270	271	0.01																		
	E736528	271	272	0.008																		
	E736529	272	273	0.006																		
	E736531	273	274	0.006																		
	E736532	274	275	0.005																		
245	E736533	275	276	0.009																		
	E736534	276	277	0.005																		
	E736535	277	278	0.005																		
	E736536	278	279	0.005																		
	E736537	279	280	0.005																		
244	E736538	280	281	0.006																		

16-WEL-013

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E736538	280	281	0.006	266.5	332	4	B	POR BL	Brown-maroon; fine grained bio groundmass. 25-40% fine to med grained grt porphyroblasts. Moderately banded; WK to Mod local folding. 284.7-287.5m - green bands - appears to be small mafic dykelets - bio groundmass very soft (rotten).	Local mod pervasive silica alt. Local m.g. staurolite. Numerous small brittle fractures. 1-3% fine grained blebby stringers of po - patchy. Flare carb veinlets. Sporadic qtz veins associated with high strain zones. Sharp LC.										
	E736539	281	282	0.009																	
	E736541	282	283	0.009																	
	E736542	283	284	0.006																	
	E736543	284	285	0.007																	
285	E736544	285	286	0.016																	
	E736545	286	287	0.052																	
	E736546	287	288	0.01																	
	E736547	288	289	0.011																	
	E736548	289	290	0.036																	
290	E736549	290	291	0.01																	
	E736551	291	292	0.006																	
	E736552	292	293	0.154																	
	E736553	293	294	0.339																	
295	E736554	294	295	0.006																	
	E736555	295	296	0.005																	
	E736556	296	297	0.005																	
	E736557	297	298	0.005																	
	E736558	298	299	0.005																	
300	E736559	299	300	0.005																	
	E736561	300	301	0.005																	
	E736562	301	302	0.005																	
	E736563	302	303	0.005																	
	E736564	303	304	0.005																	
305	E736565	304	305	0.005																	
	E736566	305	306	0.005																	
	E736567	306	307	0.005																	
	E736568	307	308	0.005																	
	E736569	308	309	0.005																	
310	E736571	309	310	0.005																	
	E736572	310	311	0.006																	
	E736573	311	312	0.007																	
	E736574	312	313	0.005																	
	E736575	313	314	0.005																	
315	E736576	314	315	0.017																	
	E736577	315	316	0.005																	
	E736578	316	317	0.005																	
	E736579	317	318	0.005																	
	E736581	318	319	0.005																	
319	E736582	319	320	0.006																	
320	E736583	320	321	0.009																	

16-WEL-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments		
	E736583	320	321	0.009	266.5	332	4F	B	POR BL	Brown-maroon; fine grained bio groundmass. 25-40% fine to med grained grt porphyroblasts. Moderately banded; WK to Mod local folding. 284.7-287.5m - green bands - appears to be small mafic dykelets - bio groundmass very soft (rotten).	Local mod pervasive silica alt. Local m.g. staurolite. Numerous small brittle fractures. 1-3% fine grained blebby stringers of po - patchy. Rare carb veinlets. Sporadic qtz veins associated with high strain zones. Sharp LC.												
	E736584	321	322	0.009																			
	E736585	322	323	0.007																			
	E736586	323	324	0.005																			
	E736587	324	325	0.005																			
	E736588	325	326	0.005																			
	E736589	326	327	0.006																			
	E736591	327	328	0.01																			
	E736592	328	329	0.005																			
	E736593	329	330	0.006																			
	E736594	330	331	0.015	332	332.5	4E	DG	FOL	Dark green-maroon; fine grained; well foliated; moderately banded 4E. ~10% qtz veins. Weakly magnetic. 2-3% fine grained wispy po. Sharp LC.													
	E736595	331	332	0.012																			
	E736596	332	332.5	0.01																			
	E736597	332.5	333	0.01																			
	E736598	333	334	0.012																			
	E736599	334	335	0.014																			
	E736601	335	336	0.089																			
	E736602	336	337	0.006																			
	E736603	337	338	0.008																			
	E736604	338	339	0.01																			
	E736605	339	340	0.036	332.5	349.7	4F	B	POR BL	Brown-maroon; fine grained bio groundmass; 10-35% fine to med coarse grained grt porphyroblasts. 5-15% qtz veins associated with high strained zones. Moderate local folding. Patchy f.g. staurolite. Patchy weak silica alt. 10cm 4E at 335.9m.	Incipient amph alt in high strain zones. 1-3% fine grained po - blebby stringers in high strain zones. Lower contact marked by high strain zone and appearance of intercalated 4E bands.												
	E736606	340	341	0.019																			
	E736607	341	342	0.02																			
	E736608	342	343	0.01																			
	E736609	343	344	0.01																			
	E736611	344	345	0.026																			
	E736612	345	346	0.009																			
	E736613	346	347	0.012																			
	E736614	347	348	0.011																			
	E736615	348	349	0.379																			
	E736616	349	349.7	0.573	349.7	358.5	4F	B	POR BL	Brown-maroon (minor green bands); fine grained; very similar 4F as above - ~10% intercalated 4E bands (grunerite altered) folding throughout - 5-30mm thick. Mod silica alt. 1-2% fine grained disseminated and wispy po within 4E bands. Sharp LC.													
	E736617	349.7	350.7	0.021																			
	E736618	350.7	351.7	0.009																			
	E736619	351.7	352.7	0.007																			
	E736621	352.7	353.7	0.007																			
	E736622	353.7	354.7	0.014																			
	E736623	354.7	355.7	0.01																			
	E736624	355.7	356.7	0.009																			
	E736625	356.7	357.7	0.018																			
	E736626	357.7	358.5	0.01																			
	E736627	358.5	359.5	0.013	358.5	361.1	4EF	DG	DI	Green/white-brown-maroon; fine grained; moderately foliated; intercalated qtz flooded 4E and 4F bands. 70% 4E - rare relic qtz clasts. Strong qtz flooding. Moderate patchy magnetism within grt-amph bands - fg magnetite.	Weak grunerite alt along borders of grt-bio bands. 3-4% blebby fine grained po within 4E bands. Sharp LC.												
	E736628	359.5	360.5	0.006																			

16-WEL-013

Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
400	E736676	400	401	0.005	390	407.2	4F	P	POR BL	Brown-maroon; fine grained; well banded 4F – minor amph alteration from UC to 395m – poorly developed 4E intercalations? Moderate local folding. 30-40% fine to med grained grt porphyroblasts. Biotite grain size increases downhole.	1-2% sporadic qtz veins. 1-3% fine grained disseminated po. Rare magnetic bands 2-3cm. Gradational LC.											
401	E736677	401	402	0.005																		
402	E736678	402	403	0.005																		
403	E736679	403	404	0.005																		
404	E736681	404	405	0.005																		
405	E736682	405	406	0.005																		
406	E736683	406	406.5	0.005																		
406.5	E736684	406.5	407.2	0.007	407.2	410.9	4F	B	DI	Brown-maroon-green/grey; fine grained; Transitional unit – 4F intercalated with thin 1-3cm 4E bands and 20cm bands of 6. Intense shear zone at 408m – similar to conveyor shear. Lower 90cm of 4F strongly magnetic.	1-3% fine grained disseminated and wispy po-cp. LC marked by thin shear.											
407.2	E736685	407.2	408	0.005																		
408	E736686	408	409	0.005	410.9	417	3F	DG	FOL	Grey; aphanitic; moderately foliated Felsic to intermediate Lapilli Tuff. 1-3mm lapilli – attenuated along foliation. Strong silica alt. Weak sericite alt – strong halos around fractures.	Trace fine grained po and magnetite (possibly magnetic po) in sporadic stringers. Rare qtz veins ~1% - weak potassic alt. EOH											
409	E736687	409	410	0.007																		
410	E736688	410	410.9	0.005																		
410.9	E736689	410.9	411.5	0.005																		
411.5	E736691	411.5	412	0.005																		
412	E736692	412	413	0.005																		
413	E736693	413	414	0.005																		
414	E736694	414	415	0.005																		
415	E736695	415	416	0.005																		
416	E736696	416	417	0.005																		

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-014**

Project: **WEL**

Mine Grid Easting: 8050

Planned Depth(m): 459

Drill Start Date: 1/19/2016

Mine Grid Northing: 11750

Actual Depth (m): 56

Drill End Date: 1/20/2016

Elevation: 5300

Core Diameter: NQ2

UTM East:

Plugged: NO

Target 1: WEL

UTM North:

Grout Test:

Target 2:

Result: NO RESULTS

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
18	90	-46.1	EZS
48	90	-45.8	EZS

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-015**

Project: **WEL**

Mine Grid Easting: 8049.92

Planned Depth(m): 459

Drill Start Date: 1/19/2016

Mine Grid Northing: 11751.955

Actual Depth (m): 513

Drill End Date: 1/26/2016

Elevation: 5298.994

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL-A

UTM North:

Grout Test: YES

Target 2: WEL

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	90.1	-51.8	MAXI
3	90.3	-51.7	MAXI
6	90.4	-51.5	MAXI
9	90.4	-51.4	MAXI
12	90.5	-51.4	MAXI
15	90.5	-51.4	MAXI
18	90.6	-51.4	MAXI
21	90.6	-51.5	MAXI
24	90.7	-51.5	MAXI
27	90.8	-51.5	MAXI
30	90.9	-51.5	MAXI
33	91	-51.4	MAXI
36	91.1	-51.3	MAXI
39	91.2	-51.3	MAXI
42	91.3	-51.2	MAXI
45	91.4	-51.2	MAXI
48	91.5	-51.1	MAXI
51	91.5	-51.2	MAXI
54	91.6	-51.1	MAXI
57	91.6	-51.1	MAXI
60	91.6	-51.1	MAXI
63	91.6	-51.1	MAXI
66	91.6	-51.1	MAXI
69	91.7	-51.2	MAXI
72	91.7	-51.2	MAXI
75	91.8	-51.1	MAXI
78	91.8	-51	MAXI
81	91.9	-51.1	MAXI
84	92	-51.1	MAXI
87	92	-51	MAXI
90	92	-51.1	MAXI
93	92.1	-51	MAXI
96	92.1	-51	MAXI
99	92.2	-51	MAXI
102	92.2	-51	MAXI
105	92.3	-51.1	MAXI
108	92.3	-51	MAXI
111	92.4	-51	MAXI
114	92.5	-50.9	MAXI
117	92.5	-51	MAXI
120	92.6	-50.9	MAXI
123	92.6	-50.9	MAXI
126	92.6	-50.8	MAXI
129	92.7	-50.8	MAXI
132	92.7	-50.7	MAXI
135	92.7	-50.7	MAXI
138	92.7	-50.7	MAXI
141	92.7	-50.6	MAXI
144	92.7	-50.6	MAXI
147	92.8	-50.5	MAXI
150	92.8	-50.5	MAXI
153	92.9	-50.5	MAXI
156	92.9	-50.5	MAXI
159	93	-50.5	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-015**

Project: **WEL**

Mine Grid Easting: 8049.92

Planned Depth(m): 459

Drill Start Date: 1/19/2016

Mine Grid Northing: 11751.955

Actual Depth (m): 513

Drill End Date: 1/26/2016

Elevation: 5298.994

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL-A

UTM North:

Grout Test: YES

Target 2: WEL

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	93	-50.4	MAXI
165	93.1	-50.3	MAXI
168	93.2	-50.4	MAXI
171	93.3	-50.4	MAXI
174	93.4	-50.4	MAXI
177	93.4	-50.5	MAXI
180	93.4	-50.4	MAXI
183	93.5	-50.4	MAXI
186	93.4	-50.4	MAXI
189	93.5	-50.4	MAXI
192	93.5	-50.4	MAXI
195	93.5	-50.4	MAXI
198	93.5	-50.4	MAXI
201	93.5	-50.4	MAXI
204	93.6	-50.3	MAXI
207	93.7	-50.3	MAXI
210	93.7	-50.2	MAXI
213	93.7	-50.2	MAXI
216	93.7	-50.1	MAXI
219	93.7	-50.1	MAXI
222	93.8	-50.1	MAXI
225	93.8	-50.1	MAXI
228	93.7	-50.1	MAXI
231	93.8	-50.1	MAXI
234	93.8	-50	MAXI
237	93.8	-50	MAXI
240	93.8	-50	MAXI
243	93.8	-50	MAXI
246	93.8	-49.9	MAXI
249	93.9	-49.9	MAXI
252	93.9	-49.9	MAXI
255	93.9	-49.9	MAXI
258	93.9	-49.9	MAXI
261	94	-49.8	MAXI
264	94	-49.8	MAXI
267	94.1	-49.8	MAXI
270	94.1	-49.7	MAXI
273	94.1	-49.7	MAXI
276	94.2	-49.7	MAXI
279	94.3	-49.6	MAXI
282	94.4	-49.6	MAXI
285	94.4	-49.5	MAXI
288	94.6	-49.4	MAXI
291	94.7	-49.4	MAXI
294	94.8	-49.4	MAXI
297	94.9	-49.2	MAXI
300	95	-49.3	MAXI
303	95.2	-49.3	MAXI
306	95.3	-49.2	MAXI
309	95.4	-49.2	MAXI
312	95.4	-49.1	MAXI
315	95.5	-49	MAXI
318	95.6	-48.9	MAXI
321	95.6	-48.8	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-015**

Project: **WEL**

Mine Grid Easting: 8049.92

Planned Depth(m): 459

Drill Start Date: 1/19/2016

Mine Grid Northing: 11751.955

Actual Depth (m): 513

Drill End Date: 1/26/2016

Elevation: 5298.994

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL-A

UTM North:

Grout Test: YES

Target 2: WEL

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	95.7	-48.8	MAXI
327	95.8	-48.9	MAXI
330	95.9	-48.8	MAXI
333	96.1	-48.8	MAXI
336	96.2	-48.8	MAXI
339	96.3	-48.7	MAXI
342	96.4	-48.6	MAXI
345	96.5	-48.5	MAXI
348	96.6	-48.3	MAXI
351	96.7	-48.2	MAXI
354	96.8	-48.1	MAXI
357	96.8	-48.1	MAXI
360	96.9	-48	MAXI
363	97	-47.9	MAXI
366	97	-47.9	MAXI
369	97.1	-47.9	MAXI
372	97.1	-47.8	MAXI
375	97.1	-47.9	MAXI
378	97.3	-47.9	MAXI
381	97.4	-47.9	MAXI
384	97.5	-47.9	MAXI
387	97.6	-47.9	MAXI
390	97.8	-47.9	MAXI
393	97.9	-48	MAXI
396	98	-48	MAXI
399	98	-48	MAXI
402	98.2	-48	MAXI
405	98.3	-48	MAXI
408	98.4	-48	MAXI
411	98.5	-48.1	MAXI
414	98.6	-48.1	MAXI
417	98.7	-48.1	MAXI
420	98.8	-48.1	MAXI
423	98.9	-48.1	MAXI
426	99	-48.1	MAXI
429	99.1	-48.1	MAXI
432	99.2	-48.2	MAXI
435	99.3	-48.2	MAXI
438	99.4	-48.2	MAXI
441	99.5	-48.2	MAXI
444	99.6	-48.2	MAXI
447	99.7	-48.2	MAXI
450	99.8	-48.2	MAXI
453	99.9	-48.3	MAXI
456	100	-48.3	MAXI
459	100.1	-48.3	MAXI
462	100.2	-48.3	MAXI
465	100.3	-48.3	MAXI
468	100.4	-48.3	MAXI
471	100.5	-48.3	MAXI
474	100.6	-48.3	MAXI
477	100.8	-48.4	MAXI
480	100.9	-48.4	MAXI
483	101	-48.4	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-015**

Project: **WEL**

Mine Grid Easting: 8049.92

Planned Depth(m): 459

Drill Start Date: 1/19/2016

Mine Grid Northing: 11751.955

Actual Depth (m): 513

Drill End Date: 1/26/2016

Elevation: 5298.994

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL-A

UTM North:

Grout Test: YES

Target 2: WEL

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
486	101.1	-48.4	MAXI
489	101.2	-48.4	MAXI
492	101.3	-48.4	MAXI
495	101.4	-48.4	MAXI
498	101.5	-48.5	MAXI
501	101.6	-48.5	MAXI
504	101.7	-48.5	MAXI
507	101.8	-48.5	MAXI
510	101.9	-48.5	MAXI
513	102	-48.5	MAXI

16-WEL-015

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC						FOLD						FAULT									
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments			
485																			480	480.1	65	MOD	S1																
490	421.5	493.6	2																490	490.1	60	MOD	S1																
495																																							
500	493.6	500.8	4																500	500.1	65	MOD	S1																
	500.8	502.7	2U																																				
	502.7	504.6	4																																				
	504.6	506.4	2																																				
	506.4	507.2	4																																				
	507.2	507.6	2																																				
	507.6	508	4																																				
	508	508.7	2																																				
510																																							
	508.7	513	4																																				
515																																							

with qtz-crb veining/flooding

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	7.4															
10	E736789	7.4	8.1	0.006	7.4	11.1	4F	B	POR BL	Dark brown, maroon, porphyroblastic, well foliated, non mag, well developed 4F. 45% (1-2mm) grnts within fg bio matrix, up to 5% staur. Moderate patchy/banded crb alteration. Multiple patches of rubble in first 2m. Trace min. Sharp LC with 2.											
	E736791	8.1	9.1	0.097																	
	E736792	9.1	10.1	0.036																	
	E736793	10.1	11.1	0.056																	
	E736794	11.1	12	0.02																	
14	E736795	12	13	0.021	11.1	23.6	2	DG	FOL	Dark green, fine grained, mod foliated, non mag, mafic volcanic flow. Moderate crb alt along flow texture, appearing as large wisps. Weak patchy bio alt. Up to 1% Py and CP locally. Sharp LC with 4F.											
	E736796	13	14	0.033																	
	E736797	14	15	0.023																	
	E736798	15	16	0.05																	
	E736799	16	17	0.018																	
	E736801	17	18	0.017																	
	E736802	18	19	0.035																	
	E736803	19	20	0.016																	
	E736804	20	21	0.01																	
	E736805	21	22	0.006																	
	E736806	22	23	0.028	23.6	33.4	4F	B	POR BL	Dark brown-maroon, fg-mg, porphyroblastic, foliated, non mag, well developed 4F. 40% (1-3mm) grnts within fg bio matrix. Moderate patchy crb alt. Trace min.	Fault gouge from 29-30m. Grnts abundance decreases and size increases in last 3m, with up to 5% green amph wisps. Sharp LC with 2.										
	E736807	23	23.6	2.28																	
	E736808	23.6	24	0.023																	
	E736809	24	25	0.023																	
	E736811	25	26	0.037																	
	E736812	26	27	0.005																	
	E736813	27	28	0.005																	
	E736814	28	29	0.005																	
	E736815	29	30	0.015																	
	E736816	30	31	0.005																	
	E736817	31	32	0.005	33.4	41.2	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Weak to mod patchy crb alt. 3% qtz-crb veining with green amph selvages. Fault at 36m. Trace-1% Py/PO locally. Sharp LC with 4F.											
	E736818	32	33	0.006																	
	E736819	33	33.4	0.01																	
	E736821	33.4	34	0.013																	
	E736822	34	35	0.023																	
	E736823	35	36	0.012																	
	E736824	36	37	0.024																	
	E736825	37	38	0.012																	
	E736826	38	39	0.021	40.6	40.6	0.029														
	E736827	39	40	0.025																	
	E736828	40	40.6	0.029																	

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Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION												
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments			
	E736828	40	40.6	0.029	33.4	41.2	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Weak to mod patchy crb alt. 3% qtz-crb veining with green amph selvages. Fault at 36m. Trace-1% Py/PO locally. Sharp LC with 4F.														
	E736829	40.6	41.2	0.029																				
	E736831	41.2	42	0.015	41.2	113.3	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, weak to mod fol, non mag, well developed 4F. Grit size ranging from 1-4mm. Large fault gouge from 49.2-50m. Areas of rubble 48.5m, 52.5m, 56m and 58m. 2-4% (1-4cm) qtz veins with PO/Py locally.	Trace-2% fg PO throughout unit, mainly associated with silica flooding and/or high strain areas.													
	E736832	42	43	0.018																				
	E736833	43	44	0.104																				
	E736834	44	45	0.093																				
	E736835	45	46	0.089																				
	E736836	46	47	0.031																				
	E736837	47	48	0.02																				
	E736838	48	49	0.022																				
	E736839	49	50	0.025																				
	E736841	50	51	0.021																				
	E736842	51	52	0.052																				
	E736843	52	53	0.203																				
	E736844	53	54	0.034																				
	E736845	54	55	0.061																				
	E736846	55	56	0.16																				
	E736847	56	57	0.083																				
	E736848	57	58	0.045																				
	E736849	58	59	1.01																				
	E736851	59	60	0.017																				
	E736852	60	61	0.015																				
	E736853	61	61.7	0.015																				
	E736854	61.7	62.5	0.02																				
	E736855	62.5	63	0.026																				
	E736856	63	64	0.025																				
	E736857	64	65	0.021																				
	E736858	65	66	0.025																				
	E736859	66	67	0.025																				
	E736861	67	68	0.037																				
	E736862	68	69	0.042																				
	E736863	69	69.3	0.045																				
	E736864	69.3	69.7	0.044																				
	E736865	69.7	70.5	0.071																				
	E736866	70.5	71.4	0.569																				
	E736867	71.4	72.1	0.132																				
	E736868	72.1	73	0.114																				
	E736869	73	74	0.036																				
	E736871	74	75	0.034																				
	E736872	75	76	0.033																				
	E736873	76	77	0.029																				
	E736874	77	78	0.031																				
	E736875	78	79	0.023																				
	E736876	79	80	0.023																				
	E736877	80	81	0.018																				

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
165	E735722	160	161	0.005	149.6	168.8	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, mod banded, well developed 4F. Lrg euhedral grnts at start of unit with deformed bio-staur matrix. 1% fg PO locally. 2-5% qtz crb veinlets. Gradational LC with 2.												
	E735723	161	162	0.006																		
	E735724	162	163	0.006																		
	E735725	163	164	0.005																		
	E735726	164	165	0.005																		
	E735727	165	166	0.005																		
	E735728	166	167	0.005																		
	E735729	167	168	0.008																		
	E735731	168	168.8	0.021	168.8	173.7	2	DG	FOL	Dark green, fine grained, well foliated, non mag, mafic metavolcanic. Mod patchy bio alt. 3-5% crb veinlets along foliation. Trace-1% fg PO locally. Sharp LC with 6W.												
	E735732	168.8	169.8	0.038																		
170	E735733	169.8	170.8	0.011																		
	E735734	170.8	171.8	0.079																		
	E735735	171.8	172.8	0.147	173.7	176.2	6W	B	FOL	Dark purple-maroon/grey, fine grained, well foliated, non mag, garnetiferous metasediment. 5-10% 3-8mm grnts. Moderate pervasive silica alt. Trace min. Gradational LC with 4F.												
	E735736	172.8	173.7	0.176																		
180	E735737	173.7	174.5	0.018	176.2	188	4F	B	POR BL	Brown-maroon, fg-mg, mod foliated, non mag, well developed 4F. 40% (1-4mm) grnts within fg bio matrix. 1-2% PO locally. 2-5% qtz crb veining throughout.	Faulting with qtz vein/flooding at 186m, followed by a SZ with qtz flooding and 8% PO 1% CP from 186.4-186.9m. SZ continues to 188m with 1-2% PO. Gradational LC with 2.											
	E735738	174.5	175.5	0.048																		
	E735739	175.5	176.2	0.111																		
	E735741	176.2	177	0.005																		
	E735742	177	178	0.005																		
	E735743	178	179	0.005																		
	E735744	179	180	0.011																		
	E735745	180	181	0.031																		
	E735746	181	182	0.006																		
	E735747	182	183	0.005																		
	E735748	183	184	0.005																		
	E735749	184	185	0.011																		
185	E735751	185	186	0.437	188	222	2	DG	FOL	Dark green-grey, foliated to strongly deformed, non mag, mafic meta volcanic. Mod patchy bio alt throughout. From 190.7-197.6 and 195-199.8m light grey/brown and strongly deformed, strong biotite and silica alt, appearing like chert/bio bands.	Multiple folds/fractures. Trace-1% PO locally. 4-5% qtz-crb veining throughout non deformed mafics.											
	E735752	186	186.4	34																		
	E735753	186.4	186.9	33.5																		
	E735754	186.9	187.5	1.28																		
	E735755	187.5	188	0.488																		
	E735756	188	189	1.48																		
190	E735757	189	190	0.102																		
	E735758	190	190.7	0.005																		
	E735759	190.7	191.7	0.006																		
	E735761	191.7	192.6	0.005																		
	E735762	192.6	193	0.006																		
	E735763	193	194	0.005																		
195	E735764	194	195	0.011																		
	E735765	195	196	0.005																		
	E735766	196	197	0.005																		
	E735767	197	198	0.005																		
	E735768	198	199	0.005																		
	E735769	199	199.8	0.037																		
200	E735771	199.8	200.4	0.013																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E735771	199.8	200.4	0.013	188	222	2	DG	FOL	Dark green-grey, foliated to strongly deformed, non mag. mafic meta volcanic. Mod patchy bio alt throughout. From 190.7-197.6 and 195-199.8m light grey/brown and strongly deformed, strong biotite and silica alt, appearing like chert/bio bands.	Multiple folds/fractures. Trace-1% PO locally, 4-5% qtz-crb veining throughout non deformed mafics.											
	E735772	200.4	201	0.049																		
	E735773	201	202	0.062																		
	E735774	202	203	0.011																		
	E735775	203	204	0.045																		
	E735776	204	205	0.059																		
205	E735777	205	206	0.046																		
	E735778	206	207	0.008																		
	E735779	207	208	0.551																		
	E735781	208	209	0.007																		
	E735782	209	210	0.013																		
210	E735783	210	211	0.014																		
	E735784	211	212	0.012																		
	E735785	212	213	0.015																		
	E735786	213	214	0.212																		
	E735787	214	215	0.017																		
215	E735788	215	216	0.008																		
	E735789	216	217	0.039																		
	E735791	217	218	0.008																		
	E735792	218	219	0.006																		
220	E735793	219	220	0.008																		
	E735794	220	221	0.011																		
	E735795	221	222	0.005																		
	E735796	222	223	0.005	222	280.7	2	G	FOL	Grey-dark green, well foliated, fg-mg, crystalline, mafic metavolcanic. Mod-strong patchy bio, mod silica alt. 2-5% qtz-crb veining/flooding +/- plag along foliation. Becomes less crystalline throughout unit.	From 249- qtz crb veinlets cutting perpendicular to fol, possible meth fits at 252m and 255.4m. Trace-1% PO locally, LC is defined by SZ with qtz flooding.											
	E735797	223	224	0.005																		
	E735798	224	225	0.009																		
225	E735799	225	226	0.026																		
	E735801	226	227	0.018																		
	E735802	227	228	0.033																		
	E735803	228	229	0.016																		
230	E735804	229	230	0.017																		
	E735805	230	231	0.008																		
	E735806	231	232	0.005																		
	E735807	232	233	0.015																		
	E735808	233	234	0.011																		
	E735809	234	235	0.009																		
235	E735811	235	236	0.027																		
	E735812	236	237	0.013																		
	E735813	237	238	0.008																		
	E735814	238	239	0.007																		
	E735815	239	240	0.011																		
240	E735816	240	241	0.007																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E735816	240	241	0.007	222	280.7	2	G	FOL	Grey-dark green, well foliated, fg-mg, crystalline, mafic metavolcanic. Mod-strong patchy bio, mod silica alt. 2-5% qtz-crb veining/flooding +/- plag along foliation. Becomes less crystalline throughout unit.	From 249- qtz crb veinlets cutting perpendicular to fol, possible meth fits at 252m and 255.4m. Trace-1% PO locally. LC is defined by SZ with qtz flooding.										
	E735817	241	242	0.02																	
	E735818	242	243	0.045																	
	E735819	243	244	0.039																	
	E735821	244	245	0.041																	
245	E735822	245	246	0.016																	
	E735823	246	247	0.008																	
	E735824	247	248	0.018																	
	E735825	248	249	0.011																	
	E735826	249	250	0.006																	
246	E735827	250	251	0.013																	
	E735828	251	252	0.014																	
	E735829	252	253	0.019																	
	E735831	253	254	0.011																	
	E735832	254	255	0.018																	
245	E735833	255	256	5.04																	
	E735834	256	257	0.012																	
	E735835	257	258	0.007																	
	E735836	258	259	0.017																	
246	E735837	259	260	0.009																	
	E735838	260	261	0.005																	
	E735839	261	262	0.007																	
	E735841	262	263	0.009																	
	E735842	263	264	0.009																	
	E735843	264	265	0.377																	
245	E735844	265	266	0.018																	
	E735845	266	267	0.01																	
	E735846	267	268	0.028																	
	E735847	268	269	0.118																	
	E735848	269	270	0.37																	
246	E735849	270	271	0.027																	
	E735851	271	272	0.028																	
	E735852	272	273	0.005																	
	E735853	273	274	0.036																	
245	E735854	274	275	0.023																	
	E735855	275	276	0.063																	
	E735856	276	277	0.025																	
	E735857	277	278	0.011																	
	E735858	278	279	0.013																	
	E735859	279	280	0.041																	
246	E735861	280	280.7	7.48																	

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Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E735861	280	280.7	7.48	222	280.7	2	G	FOL	Grey-dark green, well foliated, fg-mg, crystalline, mafic metavolcanic. Mod-strong patchy bio, mod silica alt. 2-5% qtz-crb veining/flooding +/- plag along foliation. Becomes less crystalline throughout unit.	From 249- qtz crb veinlets cutting perpendicular to fol, possible meth fits at 252m and 255.4m. Trace-1% PO locally. LG is defined by SZ with qtz flooding											
	E735862	280.7	281.4	0.143																		
	E735863	281.4	282	0.027																		
	E735864	282	283	0.008																		
	E735865	283	284	0.005																		
	E735866	284	285	0.008																		
285	E735867	285	286	0.007																		
	E735868	286	287	0.007																		
	E735869	287	288	0.012																		
	E735871	288	289	0.037																		
	E735872	289	290	0.34																		
290	E735873	290	291	0.046	290.8	296.6	2	DG	FOL	Dark green-brown, fg, well foliated, non mag, mafic metavolcanic. Strong patchy bio alt. 2-5% qtz-crb veinlets. Nil min. Gradational/sheared LC with 6W.												
	E735874	291	292	0.026																		
	E735875	292	292.8	0.021																		
	E735876	292.8	293.8	0.02																		
	E735877	293.8	294.8	0.064																		
295	E735878	294.8	295.8	0.104	296.6	305.6	6W	B	DI	Brown-grey-maroon, fg-mg, sheared/deformed, non mag, garnetiferous metased, possibly intercalated mafic metavolcanic. 10-15% (3-8mm) elongated/deformed grnts. 5-8% crb-qtz veinlets throughout. S, Z and M folds found throughout.	8% wispy threads PO, trace CP from 303.6-305.5m, some patches of more fine grained PO. Little to no grnts in mineralized section. Sharp/sheared LC with 2.											
	E735879	295.8	296.6	0.014																		
	E735881	296.6	297.3	1.38																		
	E735882	297.3	298	0.014																		
	E735883	298	299	0.006																		
	E735884	299	300	0.019																		
	E735885	300	301	0.014																		
300	E735886	301	302	0.074	305.6	335.9	2	DG	FOL	Dark green, fine grained, well foliated, non mag, mafic metavolcanic. Mod patchy bio alt throughout. 2-3% crb-qtz veinlets. HZ from 320.8-325.3 with mod patchy crb alt and 8% qtz flooding, no min. Sharp LC with 4FE.												
	E735887	302	303	0.061																		
	E735888	303	303.6	0.206																		
	E735889	303.6	304.6	1.83																		
305	E735891	304.6	305.6	9.02																		
	E735892	305.6	306	0.066																		
	E735893	306	307	0.035																		
	E735894	307	308	0.163																		
	E735895	308	309	9.57																		
	E735896	309	310	0.185																		
310	E735897	310	311	0.168																		
	E735898	311	312	0.058																		
	E735899	312	313	4.57																		
	E735901	313	314	0.01																		
315	E735902	314	315	0.025																		
	E735903	315	316	0.022																		
	E735904	316	317	0.011																		
	E735905	317	318	0.006																		
	E735906	318	319	0.418																		
	E735907	319	320	0.207																		
320	E735908	320	320.8	0.023																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION																												
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments																				
	E735908	320	320.8	0.023	305.6	335.9	2	DG	FOL	Dark green, fine grained, well foliated, non mag, mafic metavolcanic. Mod patchy bio all throughout. 2-3% crb-qtz veinlets. HZ from 320.8-325.3 with mod patchy crb alt and 8% qtz flooding, no min. Sharp LC with 4FE.																															
	E735909	320.8	321.8	1.53																																					
	E735911	321.8	322.8	0.057																																					
	E735912	322.8	323.8	0.166																																					
	E735913	323.8	324.8	0.221																																					
33	E735914	324.8	325.3	1.16																																					
	E735915	325.3	326	0.021																																					
	E735916	326	327	0.013																																					
	E735917	327	328	0.028																																					
	E735918	328	329	0.065																																					
	E735919	329	330	0.287																																					
33	E735921	330	331	0.044																																					
	E735922	331	332	3.52																																					
	E735923	332	333	0.007																																					
	E735924	333	334	0.007																																					
	E735925	334	335	0.017																																					
33	E735926	335	335.9	0.288	335.9	349.8	4FE	B	BA	Brown-maroon-green, mg-fg, banded, porphyroblastic, distorted, well developed 4FE. Alternating bands of 50% biogrnits from 1cm to 60cm, and 30% green amphigrnits in bands from 1-4cm. 2-4% PO locally diss/wisps in 4E, fg in 4F. M and Z folding throughout.	Water reported by drillers between 300-348m, possible flt at 344.5m, 5 gal/min. 2-5% qtz veining. Sharp LC with 2.																														
	E735927	335.9	336.5	0.029																																					
	E735928	336.5	337	0.038																																					
	E735929	337	338	0.048																																					
	E735931	338	339	0.805																																					
	E735932	339	340	0.042																																					
34	E735933	340	341	0.039																																					
	E735934	341	342	0.037																																					
	E735935	342	343	0.016																																					
	E735936	343	344	0.018																																					
34	E735937	344	345	0.031																																					
	E735938	345	346	0.018																																					
	E735939	346	347	0.017																																					
	E735941	347	348	0.02																																					
	E735942	348	349	0.047																																					
	E735943	349	349.8	0.03																																					
34	E735944	349.8	350.4	0.021	349.8	350.9	2	DG	FOL	Dark green, fine grained, mod foliated, non mag, mafic metavolcanic. 2% qtz crb veinlets, no min. Sharp LC with 4FE.																															
	E735945	350.4	350.9	0.016																																					
	E735946	350.9	351.5	0.016																																					
	E735947	351.5	352	0.017																																					
	E735948	352	353	0.02																																					
	E735949	353	354	0.025																																					
35	E735951	354	355	0.45																			350.9	363.5	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, banded/foliated, well developed 4F with 10% intercalated 4E. 35% (1-3mm) grnts within fg bio matrix. 2-5% qtz veins throughout. 2-3% diss/wispy PO locally. M and S folding seen throughout unit. Irregular LC with 4E.													
	E735952	355	356	0.014																																					
	E735953	356	357	0.016																																					
	E735954	357	358	0.013																																					
	E735955	358	359	0.066																																					
	E735956	359	360	0.026																																					
34	E735957	360	361	0.016																																					

16-WEL-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E735957	360	361	0.016	350.9	363.5	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, banded/foliated, well developed 4F with 10% intercalated 4E. 35% (1-3mm) grnts within fg bio matrix. 2-5% qtz veins throughout. 2-3% diss/wispy PO locally. M and S folding seen throughout unit. Irregular LC with 4E.												
	E735958	361	362	0.018																		
	E735959	362	363	0.063																		
	E735961	363	363.5	0.009																		
	E735962	363.5	364.3	0.009	363.5	365.1	4E	DG	DI	Green-beige, mg-fg, banded/distorted, porphyroblastic, non mag, well developed 4E. 40% (2-3mm) grnts within green amph matrix, with 10% cherty distorted bands. M-folding present. 3-4% diss/wispy PO throughout.	Irregular Lc with 4F.											
	E735963	364.3	365.1	0.009																		
335	E735964	365.1	366	0.012	365.1	366.6	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, banded/foliated, well developed 4F. 35% (1-3mm) grnts within fg bio matrix. 2-5% qtz veins throughout. 1% diss/wispy PO locally. Irregular LC with 4E.												
	E735965	366	366.6	0.015																		
	E735966	366.6	367.5	0.017																		
	E735967	367.5	368.4	0.136																		
	E735968	368.4	369	0.015	368.4	375	4F	B	POR BL	Green-beige, mg-fg, banded/distorted, porphyroblastic, non mag, well developed 4E with 10% intercalated 4F. 40% (2-3mm) grnts within green amph matrix, with 5% cherty distorted bands. M-folding present. 3% diss/wispy PO throughout.	Diffuse LC with 4F.											
	E735969	369	370	0.011																		
	E735971	370	371	0.017																		
	E735972	371	372	0.024																		
	E735973	372	373	0.016	368.4	375	4F	B	POR BL	Brown-maroon, fg-mg, well foliated, non mag, well developed 4F. 45% (1-3mm) grnts within fg bio matrix, 5% green amph wisps. 2% diss PO locally. LC is defined by SZ with 2.												
	E735974	373	374	0.089																		
	E735975	374	375	0.053																		
	E735976	375	375.6	1.28																		
	E735977	375.6	376.3	2.67	375	398.9	2	DG	FOL	Dark green-brown, foliated/sheared, fg, non mag, mafic metavolcanics. SZ from UC to 379.5m, 10% qtz flooding with 4% patchy PO, trace CP. Trace-1% PO throughout rest of unit. Qtz vn from 379.6-379.9m. Moderate patchy bio all throughout.	4-6% qtz-crb veinlets throughout. Gradational LC with 6W.											
	E735978	376.3	376.7	0.974																		
	E735979	376.7	377.3	3.93																		
	E735981	377.3	378	0.753																		
	E735982	378	379	1.51																		
	E735983	379	379.5	4.76																		
	E735984	379.5	380	0.522																		
	E735985	380	381	0.77																		
	E735986	381	382	0.066																		
	E735987	382	383	0.139																		
	E735988	383	384	0.017																		
	E735989	384	385	1.51																		
	E735991	385	386	0.13																		
	E735992	386	387	0.115																		
	E735993	387	388	0.066																		
	E735994	388	389	0.111																		
	E735995	389	390	0.007																		
330	E735996	390	391	0.051																		
	E735997	391	392	0.029																		
	E735998	392	393	0.017																		
	E735999	393	394	0.186																		
	E736001	394	395	0.743																		
325	E736002	395	396	0.829																		
	E736003	396	397	0.158																		
	E736004	397	398	0.031																		
	E736005	398	398.9	0.05																		
	E736006	398.9	399.9	0.579	398.9	399.9	6W	G	FOL	Dark green-grey, foliated, non mag, mafic metavolcanic. Moderate patchy bio and crb all. Multiple HZ with 8-10% qtz veining and 3-4% fg wispy PO. Trace-1% fg PO throughout rest of unit. Sheared LC with 4E.												
40	E736007	399.9	400.5	0.958																		399.9

16-WEL-015

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E736007	399.9	400.5	0.958	399.9	420.4	2	DG	FOL	Dark green-grey, foliated, non mag, mafic metavolcanic. Moderate patchy bio and crb alt. Multiple HZ with 8-10% qtz veining and 3-4% fg wispy PO. Trace-1% fg PO throughout rest of unit. Sheared LC with 4E.											
	E736008	400.5	401	0.015																	
	E736009	401	402	0.317																	
	E736011	402	403	0.459																	
	E736012	403	404	1.85																	
	E736013	404	404.6	0.583																	
	E736014	404.6	405	0.018																	
	E736015	405	406	0.059																	
	E736016	406	407	0.131																	
	E736017	407	408	0.053																	
	E736018	408	409	0.06																	
	E736019	409	409.5	0.009																	
	E736021	409.5	410.5	2.26																	
	E736022	410.5	411.5	0.894																	
	E736023	411.5	412.5	0.095																	
	E736024	412.5	413.5	1.86																	
	E736025	413.5	414.5	1.18																	
	E736026	414.5	415.5	3.36																	
	E736027	415.5	416.5	0.419																	
	E736028	416.5	417.5	0.032																	
	E736029	417.5	418.5	0.264																	
	E736031	418.5	419.5	0.128																	
	E736032	419.5	420.4	1.27	420.4	421.5	4E	DG	FOL	Dark green-beige, fg-mg, well foliated/sheared, well developed 4E. 30% deformed grnts within dark green amph matrix. Trace-1% fg PO. 10% qtz-crb veining throughout. Diffuse LC with 2.											
	E736033	420.4	421	0.067																	
	E736034	421	421.5	0.545																	
	E736035	421.5	422	0.059																	
	E736036	422	423	0.498																	
	E736037	423	424	0.047																	
	E736038	424	425	0.033																	
	E736039	425	426	0.181																	
	E736041	426	427	0.071																	
	E736042	427	428	0.038																	
	E736043	428	429	0.07	421.5	493.6	2	DG	FOL	Dark green, fine grained, well foliated, non mag, mafic metavolcanic. Moderate patchy bio and crb alteration throughout. Multiple HZ with 8-10% qtz veining, with 1-2% fg PO. Trace fg PO throughout rest of unit. Small 4E at 441m.	Small HZ with 3% PO at 470m. LC is defined by SZ with 4F.										
	E736044	429	430	0.731																	
	E736045	430	431	0.173																	
	E736046	431	431.9	0.655																	
	E736047	431.9	432.5	0.014																	
	E736048	432.5	433	0.014																	
	E736049	433	434	0.022																	
	E736051	434	435	0.156																	
	E736052	435	436	0.243																	
	E736053	436	437	0.867																	
	E736054	437	438	0.009																	
	E736055	438	439	0.534																	
	E736056	439	440	0.049																	
	E736057	440	441	0.073																	

16-WEL-015

Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E736107	480	481	0.06	421.5	493.6	2	DG	FOL	Dark green, fine grained, well foliated, non mag, mafic metavolcanic. Moderate patchy bio and crb alteration throughout. Multiple HZ with 8-10% qtz veining, with 1-2% fg PO. Trace fg PO throughout rest of unit. Small 4E at 441m.	Small HZ with 3% PO at 470m. LC is defined by SZ with 4F.											
	E736108	481	482	0.006																		
	E736109	482	483	0.005																		
	E736111	483	484	0.01																		
	E736112	484	485	0.01																		
	E736113	485	486	0.026																		
	E736114	486	487	0.013																		
	E736115	487	488	0.112																		
	E736116	488	489	0.016																		
	E736117	489	489.5	0.016																		
	E736118	489.5	490.1	0.051																		
	E736119	490.1	491	0.333																		
	E736121	491	492	0.074																		
	E736122	492	493	0.089																		
	E736123	493	493.6	0.005																		
	E736124	493.6	494	0.005																		
	E736125	494	495	0.005																		
	E736126	495	496	0.005	493.6	500.8	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, non mag, well developed 4F. 35% (2-4mm) grnts within fg bio matrix, 2% green amph wisps. 5% qtz-crb veinlets. Trace-1% fg PO.												
	E736127	496	497	0.005																		
	E736128	497	498	0.005																		
	E736129	498	499	0.005																		
	E736131	499	500	0.005																		
	E736132	500	500.8	0.005																		
	E736133	500.8	501.2	0.005	500.8	502.7	2U	B	FOL	Grey-brown-maroon, fg-mg, foliated, non mag, garnetiferous mafic (possibly sed?) 15% (1-3mm) grnts, 5% green amph wisps throughout. 3% fg wisps/threads from 501.2-502.2. Gradational LC with 4F.												
	E736134	501.2	502.2	0.005																		
	E736135	502.2	502.7	0.005																		
	E736136	502.7	503.7	0.007	502.7	504.6	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, non mag, well developed 4F. 40% (2-4mm) grnts within fg bio matrix, 2% green amph wisps. 5% qtz-crb veinlets. Trace-1% fg PO. Sharp LC with 2.												
	E736137	503.7	504.6	0.005																		
	E736138	504.6	505.5	0.005	504.6	506.4	2	DG	FOL	Dark green, fine grained, well foliated, non mag, mafic metavolcanic. Moderate patchy bio and crb alteration throughout. 5% qtz-crb veinlets throughout. Diffuse LC with 4F.												
	E736139	505.5	506.4	0.005																		
	E736141	506.4	507.2	0.144	507.2	507.6	4F	B	POR BL	Brown-maroon, fg-mg, porphyroblastic, non mag, well developed 4F. 45% (2-4mm) grnts within fg bio matrix. 5% qtz-crb veinlets. Trace-1% fg PO. Sharp LC with 2.												
	E736142	507.2	507.6	0.503																		
	E736143	507.6	508	0.017	508	508.7	4F	B	POR BL	Dark green, fine grained, well foliated, non mag, mafic metavolcanic, with 20% intercalated 4F. Moderate patchy bio and crb alteration throughout. Sharp LC with 4F.												
	E736144	508	508.7	0.011																		
	E736145	508.7	509.4	0.034	508.7	513	4F	B	FOL	Brown-maroon, fg-mg, porphyroblastic, non mag, well developed 4F. 40% (2-4mm) grnts within fg bio matrix, Trace-1% fg PO. Sharp LC with 2.												
	E736146	509.4	510	0.005																		
	E736147	510	510.8	0.006																		
	E736148	510.8	511.5	0.019																		
	E736149	511.5	512	0.021																		
	E719538	512	513	0.016																		

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-017**

Project: **WEL**

Mine Grid Easting: 8086.282

Planned Depth(m): 431

Drill Start Date: 2/1/2016

Mine Grid Northing: 11751.271

Actual Depth (m): 456

Drill End Date: 2/6/2016

Elevation: 5299.271

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: **WEL**

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	89.7	-52.4	MAXI
3	89.6	-52.1	MAXI
6	89.7	-51.9	MAXI
9	89.8	-51.8	MAXI
12	89.8	-51.8	MAXI
15	89.9	-51.7	MAXI
18	89.9	-51.6	MAXI
21	89.9	-51.5	MAXI
24	89.8	-51.4	MAXI
27	89.8	-51.2	MAXI
30	89.8	-51.1	MAXI
33	89.8	-50.9	MAXI
36	89.8	-50.8	MAXI
39	89.8	-50.7	MAXI
42	89.8	-50.7	MAXI
45	89.8	-50.6	MAXI
48	89.8	-50.5	MAXI
51	89.9	-50.4	MAXI
54	89.9	-50.3	MAXI
57	90	-50	MAXI
60	90	-49.6	MAXI
63	90	-49.1	MAXI
66	89.7	-48.6	MAXI
69	89.3	-48.2	MAXI
72	88.9	-47.8	MAXI
75	88.8	-47.5	MAXI
78	88.7	-47.4	MAXI
81	88.7	-47.4	MAXI
84	88.7	-47.4	MAXI
87	88.7	-47.4	MAXI
90	88.7	-47.4	MAXI
93	88.7	-47.4	MAXI
96	88.7	-47.4	MAXI
99	88.6	-47.4	MAXI
102	88.6	-47.4	MAXI
105	88.6	-47.4	MAXI
108	88.7	-47.4	MAXI
111	88.7	-47.4	MAXI
114	88.7	-47.4	MAXI
117	88.7	-47.4	MAXI
120	88.7	-47.4	MAXI
123	88.8	-47.3	MAXI
126	88.8	-47.3	MAXI
129	88.9	-47.3	MAXI
132	88.9	-47.3	MAXI
135	88.9	-47.3	MAXI
138	89	-47.3	MAXI
141	89	-47.2	MAXI
144	89.1	-47.2	MAXI
147	89.1	-47.2	MAXI
150	89.2	-47.1	MAXI
153	89.3	-47.1	MAXI
156	89.3	-47.1	MAXI
159	89.3	-47.1	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-017**

Project: **WEL**

Mine Grid Easting: 8086.282

Planned Depth(m): 431

Drill Start Date: 2/1/2016

Mine Grid Northing: 11751.271

Actual Depth (m): 456

Drill End Date: 2/6/2016

Elevation: 5299.271

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	89.4	-47	MAXI
165	89.4	-47	MAXI
168	89.4	-46.9	MAXI
171	89.4	-46.8	MAXI
174	89.5	-46.8	MAXI
177	89.5	-46.7	MAXI
180	89.5	-46.7	MAXI
183	89.5	-46.6	MAXI
186	89.6	-46.5	MAXI
189	89.6	-46.5	MAXI
192	89.7	-46.4	MAXI
195	89.7	-46.3	MAXI
198	89.8	-46.2	MAXI
201	89.9	-46.2	MAXI
204	90	-46.2	MAXI
207	90	-46.2	MAXI
210	90	-46.1	MAXI
213	90.1	-46	MAXI
216	90.1	-46	MAXI
219	90.2	-46	MAXI
222	90.2	-45.9	MAXI
225	90.2	-45.9	MAXI
228	90.2	-45.8	MAXI
231	90.3	-45.8	MAXI
234	90.3	-45.7	MAXI
237	90.4	-45.7	MAXI
240	90.4	-45.6	MAXI
243	90.4	-45.6	MAXI
246	90.5	-45.6	MAXI
249	90.5	-45.6	MAXI
252	90.5	-45.5	MAXI
255	90.6	-45.5	MAXI
258	90.6	-45.5	MAXI
261	90.6	-45.4	MAXI
264	90.6	-45.3	MAXI
267	90.7	-45.2	MAXI
270	90.7	-45.2	MAXI
273	90.8	-45.2	MAXI
276	90.9	-45.2	MAXI
279	90.9	-45.2	MAXI
282	91	-45.1	MAXI
285	91.1	-45.1	MAXI
288	91.1	-45	MAXI
291	91.1	-45	MAXI
294	91.2	-44.9	MAXI
297	91.2	-44.9	MAXI
300	91.3	-44.9	MAXI
303	91.3	-44.9	MAXI
306	91.4	-44.9	MAXI
309	91.4	-44.8	MAXI
312	91.5	-44.9	MAXI
315	91.6	-44.9	MAXI
318	91.6	-44.8	MAXI
321	91.7	-44.7	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-017**

Project: **WEL**

Mine Grid Easting: 8086.282

Planned Depth(m): 431

Drill Start Date: 2/1/2016

Mine Grid Northing: 11751.271

Actual Depth (m): 456

Drill End Date: 2/6/2016

Elevation: 5299.271

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	91.7	-44.7	MAXI
327	91.7	-44.7	MAXI
330	91.7	-44.6	MAXI
333	91.8	-44.5	MAXI
336	91.8	-44.4	MAXI
339	91.8	-44.3	MAXI
342	91.8	-44.3	MAXI
345	91.9	-44.2	MAXI
348	91.9	-44.1	MAXI
351	91.8	-44	MAXI
354	91.9	-44	MAXI
357	91.9	-43.9	MAXI
360	91.9	-43.9	MAXI
363	91.9	-43.8	MAXI
366	92	-43.7	MAXI
369	92	-43.7	MAXI
372	92	-43.7	MAXI
375	92	-43.7	MAXI
378	92.1	-43.7	MAXI
381	92.1	-43.6	MAXI
384	92.1	-43.6	MAXI
387	92.1	-43.5	MAXI
390	92.2	-43.5	MAXI
393	92.2	-43.5	MAXI
396	92.2	-43.5	MAXI
399	92.2	-43.3	MAXI
402	92.3	-43.3	MAXI
405	92.3	-43.3	MAXI
408	92.3	-43.2	MAXI
411	92.3	-43.2	MAXI
414	92.3	-43.1	MAXI
417	92.4	-43	MAXI
420	92.4	-43	MAXI
423	92.4	-42.9	MAXI
426	92.4	-42.9	MAXI
429	92.5	-42.8	MAXI
432	92.5	-42.8	MAXI
435	92.5	-42.8	MAXI
438	92.5	-42.7	MAXI
441	92.6	-42.7	MAXI
444	92.6	-42.6	MAXI
447	92.6	-42.6	MAXI
450	92.6	-42.6	MAXI
453	92.7	-42.5	MAXI
456	92.7	-42.5	MAXI

16-WEL-017

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC						FOLD						FAULT										
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments				
85			2																																					
90																																								
95	71.1	111																																						
100																																								
105																																								
110																																								
	111	113.7																																						
115																																								
	113.7	119.9																																						
	119.9	122.4																																						

0.5
0.5

1

2

88 88.1 50 MOD S2

110 110.1 0 WEK S1
110.2 110.3 45 MOD S2

113 113.1 40 MOD S2

91.4 93.9 65 INT HZ

113.5 115.8 35 WEK HZ

16-WEL-017

Depth	MAJOR UNIT			MINERALS								QTZ VEINING						FABRIC					FOLD					FAULT										
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alph a deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments		
205																																						
210																																						
215																																						
220	136.4	261.3	2																																			
225																																						
230																																						
235																																						

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Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT											
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments			
283.7	283.5	4																						280.4	280.5	60	MOD	FD											
283.5	286	6W																																					
285																																							
287																																							
288.7	289.1																																						
290																																							
290.1																																							
293.3	293.6																																						
294.7	295																																						
301	302.5																																						
303.3	303.8																																						
305	306.5																																						
307.9	309.8																																						
313.4	316																																						
313.5	313.6																																						
319.1	319.7																																						

blebby fine grained po-enriched in weak HZ's.

strong carb veining in top of HZ
intense carb veining moderate qtz veining

mod carb veining at top of HZ

Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E719884	40	41	0.027	29.1	41.4	2	DG	FOL	Weak to mod foliated and biotized mafic volcanic rock. Lower portion of more strongly biotized. Rare veining. Minor 4F @ 32m with ~2% po min. Sharp LC.												
	E719885	41	41.4	0.008																		
	E719886	41.4	41.8	0.005																		
	E719887	41.8	42.6	0.013																		
	E719888	42.6	43	0.006																		
	E719889	43	44	0.005																		
	E719891	44	45	0.005																		
	E719892	45	46	0.005																		
	E719893	46	47	0.005																		
	E719894	47	48	0.005																		
	E719895	48	49	0.005	42.6	56.4	4F	BK	POR BL	4F with ~10-20% med to coarse grained anhedral grts in dark black bio matrix. Up to ~20% chl seen intermittently. Minor 4E intercalated locally. Intermittent brittle faulting with local gouge. Unit is broadly M-folded throughout. Sharp LC. No min seen.												
	E719896	49	50	0.011																		
	E719897	50	51	0.005																		
	E719898	51	52	0.005																		
	E719899	52	53	0.005																		
	E720901	53	54	0.005																		
	E720902	54	55	0.005																		
	E720903	55	56	0.005																		
	E720904	56	56.4	0.005																		
	E720905	56.4	57	0.005																		
	E720906	57	58	0.005	56.4	69.6	1	LG	FOL	Light green to grey ultramafic rock. Weakly foliated. Mod talc and serp alt. Local cpy associated with veining. ~1-2% veining. Could be high Mg basalt.												
	E720907	58	59	0.005																		
	E720908	59	60	0.005																		
	E720909	60	61	0.005																		
	E720911	61	62	0.005																		
	E720912	62	63	0.005																		
	E720913	63	64	0.005																		
	E720914	64	65	0.005																		
	E720915	65	66	0.005																		
	E720916	66	67	0.005																		
	E720917	67	68	0.005																		
	E720918	68	69	0.005																		
	E720919	69	69.6	0.005																		
	E720921	69.6	70.3	0.005	70.3	71.1	3F	G	FOL	Highly siliceous, bedded felsic tuff. ~5% thin bio rich beds intercalated. ~1% po min in upper portion. S-folded. Sharp contacts.												
	E720922	70.3	71.1	0.005																		
	E720923	71.1	72	0.005	71.1	111	2	DG	FOL	Dark green, mod foliated and biotized mafic volcanic rock. Up to ~5% qtz/carb veining. Local high strain zones with strong bio alt and trace to 1% po min. Broad M-folding of foliation @ 110m. Sharp LC.												
	E720924	72	73	0.012																		
	E720925	73	74	0.009																		
	E720926	74	75	0.011																		
	E720927	75	76	0.116																		
	E720928	76	77	0.009																		
	E720929	77	78	0.012																		
	E720931	78	79	0.013																		
	E720932	79	80	0.025																		
	E720933	80	81	0.018																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E720978	119.9	120.3	0.042	119.9	122.4	4E	DG	POR BL	Banded 4E with bands of chert, green amph+grun+grt. Middle portion of unit is M-folded. Intermittent high strain zones with weak to mod qtz/carb veining/flooding. 2% po min in upper portion. Sharp LC.												
	E720979	120.3	121	0.005																		
	E720981	121	122	0.005																		
	E720982	122	122.4	0.006																		
	E720983	122.4	123.2	0.012	122.4	123.2		G	FOL	Strange unit. Appears to be sed. ~5% foliated grts in qtz, bio and amph rich matrix. Could be hybrid of 4E and 6. No min seen. Well foliated. Angular fragments of bio rich material @ LC. Material appears similar to lamp dyke seen down hole. Sharp LC.												
	E720984	123.2	124	0.037																		
145	E720985	124	125	0.039	123.2	133.6	1	LG	FOL	Large interval of ultramafic rock. Margins are more dark green in colour. Rest of unit is light green and talc+serp rich. Increased mag sus signature. Local folding of foliation. No min or significant veining seen.	20cm sulphide rich lamp dyke seen @ LC. ~20% po seen interstitial to silicates. Looks like net texture. Sharp LC.											
	E720986	125	126	0.037																		
	E720987	126	127	0.018																		
	E720988	127	128	0.027																		
	E720989	128	129	0.071																		
	E720991	129	130	0.044																		
	E720992	130	131	0.033																		
	E720993	131	132	0.034																		
	E720994	132	133	0.024																		
	E720995	133	133.6	0.054																		
	E720996	133.6	134	0.04	133.6	135.2	3C	LG	FOL	Very weird unit. Appears to have beds. Aphanitic qtz with ~20-30% med grained amph crystals. Trace grts and po min throughout. Gradational LC.												
	E720997	134	134.8	0.014																		
	E720998	134.8	135.2	0.005	135.2	136.4	2H	DG	BA	Another strange unit. My best guess is some kind of mafic tuff. May have intercalated grun bands locally. Minor interbeds of above unit in upper portion. Lower portion becomes more mafic. Vague LC. No min seen.												
	E720999	135.2	136	0.005																		
	E721001	136	136.4	0.005	136.4	261.3	2	DG	FOL	Dark green weak to mod foliated amph rich mafic volcanic rock. Local veining. Patchy weak to mod bio alt increases downhole - intensified in HZ. Silica alt increases downhole. Locally strained. Intervals of spotty m.g. matrix.	Trace to 3% f.g. diss and vein controlled po-cp-py - increased in HZ. Sharp LC											
	E721002	136.4	137	0.005																		
	E721003	137	138	0.005																		
	E721004	138	139	0.005																		
	E721005	139	140	0.005																		
	E721006	140	141	0.005																		
	E721007	141	142	0.007																		
	E721008	142	143	0.008																		
	E721009	143	144	0.009																		
	E721011	144	145	0.006																		
145	E721012	145	146	0.011																		
	E721013	146	147	0.01																		
	E721014	147	148	0.008																		
	E721015	148	149	0.015																		
	E721016	149	150	0.015																		
150	E721017	150	151	0.015																		
	E721018	151	152	0.007																		
	E721019	152	153	0.007																		
	E721021	153	154	0.008																		
	E721022	154	155	0.006																		
155	E721023	155	156	0.01																		
	E721024	156	157	0.032																		
	E721025	157	158	0.008																		
	E721026	158	159	0.005																		
	E721027	159	160	0.005																		
	E721028	160	161	0.018																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E721117	240	241	0.009	136.4	261.3	2	DG	FOL	Dark green weak to mod foliated amph rich mafic volcanic rock. Local veining. Patchy weak to mod bio alt increases downhole - intensified in HZ. Silica alt increases downhole. Locally strained. Intervals of spotty m.g. matrix.	Trace to 3% f.g. diss and vein controlled po-cp-py - increased in HZ. Sharp LC											
	E721118	241	242	0.018																		
	E721119	242	243	0.005																		
	E721121	243	244	0.005																		
	E721122	244	245	0.017																		
245	E721123	245	246	0.01																		
	E721124	246	247	0.014																		
	E721125	247	248	0.005																		
	E721126	248	249	0.009																		
	E721127	249	250	0.009																		
246	E721128	250	251	0.005																		
	E721129	251	252	0.006																		
	E721131	252	253	0.16																		
	E721132	253	254	0.005																		
	E721133	254	255	0.01																		
245	E721134	255	256	1.18																		
	E721135	256	257	0.013																		
	E721136	257	258	0.01																		
	E721137	258	259	0.009																		
	E721138	259	260	1.11																		
241	E721139	260	260.6	0.009																		
	E721141	260.6	261.3	0.005																		
	E721142	261.3	261.8	0.005																		
	E721143	261.8	262.8	0.005																		
	E721144	262.8	263.7	0.026																		
	E721145	263.7	264.4	0.01																		
	E721146	264.4	265	0.008																		
245	E721147	265	266	0.021																		
	E721148	266	267	0.015																		
	E721149	267	268	0.016																		
	E721151	268	269	0.044																		
	E721152	269	270	0.251																		
216	E721153	270	271	0.009																		
	E721154	271	272	1.21																		
	E721155	272	273	3.17																		
	E721156	273	274	0.017																		
215	E721157	274	275	0.017																		
	E721158	275	276	0.016																		
	E721159	276	277	0.026																		
	E721161	277	278	0.032																		
	E721162	278	279	0.115																		
	E721163	279	280	0.03																		
245	E721164	280	281	0.019																		

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments		
	E721164	280	281	0.019	263.7	283.5	4F	B	BA	Brown-maroon; fine grained; moderate to strongly banded 4F – 10-15% intercalated bands of 4E folded within unit. Intervals of grt poor 4F – bordering on 6W 279-280.5m. Sporadic qtz veining. Moderate folding – inconsistent fold axis.	Carb veining intensifies downhole towards HZ. 1-3% po-cp – fine grained wisps in matrix – 3-6% blebby stringers in qtz veins 5-15cm. Non-mag. Sharp LC												
	E721165	281	282	0.025																			
	E721166	282	283	0.046																			
	E721167	283	283.5	0.034																			
	E721168	283.5	284	1.68																			
	E721169	284	285	2.68	283.5	286	6W	B	RG	Brown-white (weak green tinge); fine grained; highly strain and carb-qtz veined 6-W. Upper portion of unit is intensely carb veined – decreases downhole – qtz veining dominates. 2-7% medium grained grts.	Trace to 4% blebby po – enriched in HZ. Gradational LC – intercalated and strongly veined 6 and 2.												
285	E721171	285	286	0.232																			
	E721172	286	287	0.027																			
	E721173	287	288	0.083																			
	E721174	288	289	0.17																			
	E721175	289	290	0.242	286	331.5	2	DG	FOL	Dark green; fine grained; mod to strong foliation. Amph rich mafic volcanic – m.g. crystalline intervals suggest flow centers ~298-300m. Mod to strong bio alt. Sporadic carb-qtz veins. Weak HZ. Bio alt – spotty texture.	1-3% fine grained blebby po-cp – enriched in HZ.												
285	E721176	290	291	0.33																			
	E721177	291	292	0.022																			
	E721178	292	293	0.023																			
	E721179	293	294	0.337																			
	E721181	294	295	6.67																			
	E721182	295	296	0.026																			
	E721183	296	297	0.018																			
	E721184	297	298	0.026																			
	E721185	298	299	0.072																			
	E721186	299	300	0.025																			
	E721187	300	301	0.024																			
	E721188	301	302	0.062																			
	E721189	302	303	0.01																			
	E721191	303	304	0.134																			
	E721192	304	305	0.502																			
	E721193	305	306	0.395																			
	E721194	306	307	0.406																			
	E721195	307	308	0.005																			
	E721196	308	309	0.04																			
	E721197	309	310	0.013																			
	E721198	310	311	0.007																			
	E721199	311	312	0.012																			
	E721201	312	313	0.008																			
	E721202	313	314	0.029																			
	E721203	314	315	0.044																			
	E721204	315	316	0.048																			
	E721205	316	317	0.015																			
	E721206	317	318	0.037																			
	E721207	318	319	0.006																			
	E721208	319	320	0.067																			
314	E721209	320	321	0.008																			

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E721209	320	321	0.008	286	331.5	2	DG	FOL	Dark green; fine grained; mod to strong foliation. Amph rich mafic volcanic - m.g. crystalline intervals suggest flow centers -298-300m. Mod to strong bio alt. Sporadic carb-qtz veins. Weak HZ. Bio alt - spotty texture.	1-3% fine grained blebby po-cp - enriched in HZ.											
	E721211	321	322	0.013																		
	E721212	322	323	0.018																		
	E721213	323	324	0.039																		
	E721214	324	325	0.026																		
325	E721215	325	326	0.027																		
	E721216	326	327	0.025																		
	E721217	327	328	0.014																		
	E721218	328	329	0.117																		
	E721219	329	330	0.8																		
330	E721221	330	331	0.548	331.5	332.2	4F	B	POR BL	Brown-maroon (minor green); fine grained; well foliated; 4F - amph altered contacts. Sheared UC. 15-20% grts - loose bands developed. Incipient v.f.g. staurolite alt. 5-10% opaque qtz veins. 2-3% wispy f.g. po-cp. Gradational LC	Blebby stringers of f.g. po with transitional zones. Gradational LC.											
	E721222	331	331.5	0.37																		
	E721223	331.5	332.2	0.04	332.2	333.6	4F	B	POR BL	Brown/green-grey; fine grained; well foliated; meta-sediment - gamet bearing margin - Strong amph alt - weak to mod bio alt. Upper 50cm gradational zone between 6W and 6; strong amph alt 5-7% m.g. grts - lower 20cm very similar.												
	E721224	332.2	333	0.009																		
	E721225	333	333.6	0.009																		
	E721226	333.6	334.5	0.012																		
334	E721227	334.5	335.5	0.009																		
	E721228	335.5	336.5	0.006																		
	E721229	336.5	337.5	0.012																		
	E721231	337.5	338.5	0.012																		
	E721232	338.5	339.5	0.008																		
334	E721233	339.5	340.5	0.009	333.6	360.4						4F	B	POR BL	Brown-maroon; fine grained; mod to well banded; well foliated. Well-developed 4F - 5-10% 1-5cm intercalated bands of 4E 354-358m - <5% overall. Weak folding. Minor qtz-carb veining. Weak HZ has enhanced - folding-mineralization and veining.	-5cm 2K at 351.7m. 1-2% fine grained wispy po - increases downhole - up to 3-5% locally over 5-20cm in qtz veins and HZ. Sharp LC.						
	E721234	340.5	341.5	0.008																		
	E721235	341.5	342.5	0.006																		
	E721236	342.5	343.5	0.014																		
	E721237	343.5	344.5	0.009																		
334	E721238	344.5	345.5	0.01																		
	E721239	345.5	346.5	0.012																		
	E721241	346.5	347.5	0.015																		
	E721242	347.5	348.5	0.018																		
	E721243	348.5	349.5	0.332																		
334	E721244	349.5	350.5	0.023	335	359.7	360.4															
	E721245	350.5	351.5	0.708																		
	E721246	351.5	352.5	0.105																		
	E721247	352.5	353	13.1																		
	E721248	353	354	10.6																		
	E721249	354	355	0.032																		
	E721251	355	356	0.31																		
	E721252	356	357	0.56																		
	E721253	357	358	0.033																		
	E721254	358	359	0.031																		
	E721255	359	359.7	0.06																		
334	E721256	359.7	360.4	0.015																		

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Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
328	E721256	359.7	360.4	0.015	333.6	360.4	4F	B	POR BL	Brown-maroon: fine grained; mod to well banded; well foliated. Well-developed 4F – 5-10% 1-5cm intercalated bands of 4E 354-358m - <5% overall. Weak folding. Minor qtz-carb veining. Weak HZ has enhanced – folding-mineralization and veining.	~5cm 2K at 351.7m. 1-2% fine grained wispy po – increases downhole – up to 3-5% locally over 5-20cm in qtz veins and HZ. Sharp LC.											
	E721257	360.4	361.4	0.039																		
	E721258	361.4	362.1	0.01																		
	E721259	362.1	363.1	0.03																		
	E721261	363.1	364.1	0.884																		
	E721262	364.1	365.1	0.628	360.4	367.9	4FE	B	BA	Brown-maroon-green: fine grained; moderate banding; well foliated. 4FE – 20-30% 4E bands overall. Numerous qtz flooded high strain zones. Moderate grunerite alt in 4E bands. 5-7% white qtz veins.	3-5% fine grained wispy and blebby po – enriched in qtz flooded HZ's and 4E bands. Mod folding. Gradational LC.											
	E721263	365.1	366.1	0.017																		
	E721264	366.1	367.1	3.29																		
	E721265	367.1	367.9	3.88																		
	E721266	367.9	368.9	0.011	367.9	370.9	GW	DG	FOL	Dark green; fine grained; well foliated; amph altered garnet bearing meta-sediment – possibly a grt bearing mafic volcanic. 3-5% grts – mod attenuation along foliation plane. Mod to strong bio alt. Mod silica alt. Weak local folding of bio rich bands.	~1% fine grained blebby stringers of po. Sheared LC.											
	E721267	368.9	369.9	0.011																		
	E721268	369.9	370.9	0.012	370.9	379.1	4FE	B	DI	Brown-maroon-green; fine grained; moderately banded – local mod foliation. 4FE – 30-40% 4E bands – 1-15cm thick – mod grunerite alt. Mod to strong folding – high variability of bedding CA angles in 4E.	UC – marked by shear – strong qtz flooding – 4-5specks of VG. 3-4% po within HZ/SH zones throughout. 2-3% f.g. blebby diss po in groundmass trace cp.											
	E721269	370.9	371.4	6.11																		
	E721271	371.4	372.4	0.102																		
	E721272	372.4	373.4	0.422																		
	E721273	373.4	374.4	0.258																		
	E721274	374.4	375.4	0.011																		
	E721275	375.4	376.4	0.012																		
	E721276	376.4	377.4	0.012																		
	E721277	377.4	378.4	0.133	379.1	382	4EF	GG	RG	Green-grey-brown: fine grained; intensely strained 4EF; 20-30% qtz veins; 10-20% carb veining. 10-20% biotite. 20-30% amph. 3-% fine grained blebby po. Sharp Irregular LC.	3-5% po-py-cp in SHZ. Sharp LC.											
	E721278	378.4	379.1	0.009																		
	E721279	379.1	380	0.099	382	384.3	4F	B	POR BL	Brown-maroon; fine grained; porphyroblastic – weakly foliated well-developed 4F. Incipient amph alt. 5-10cm intervals of sheared 4EF folded into unit from 383m to LC. Trace f.g. po in groundmass. 4-5% in 4EF bands. Sharp Irregular LC.												
	E721281	380	381	0.058																		
	E721282	381	382	0.011																		
	E721283	382	383	0.008																		
	E721284	383	383.6	0.009																		
	E721285	383.6	384.3	0.012																		
	E721286	384.3	385	0.011																		
	E721287	385	385.7	0.069																		
	E721288	385.7	386.4	0.309																		
	E721289	386.4	387.4	0.035																		
	E721291	387.4	388.4	0.696	384.3	390.3	4EF	GG	RG	Green/grey-brown-maroon; f.g.; mod foliated. 4EF – margins are intensely sheared and altered as seen above 397.1-382. Center of unit is composed and moderately strained 4EF – banding sub-parallel to CA – 5-10% qtz veining.	2-3% fine grained wispy fine grained po – enriched in 4E bands. Gradational LC – increase in grain size and staurolite content.											
	E721292	388.4	389	0.021																		
	E721293	389	389.6	0.016																		
	E721294	389.6	390.3	0.02																		
	E721295	390.3	391	0.035																		
	E721296	391	392	0.014																		
	E721297	392	393	0.011																		
	E721298	393	394	0.01																		
	E721299	394	395	0.009	390.3	417	4F	B	BA	Brown-maroon-green: fine grained; well-developed 4F – 10-15% (locally up to 25%) grunerite alt 4E bands. 5-10cm folded into unit – intensity increases downhole. Strong folding in 4E bands. Sporadic qtz and carb veins.												
	E721301	395	396	0.129																		
	E721302	396	397	0.033																		
	E721303	397	398	0.007																		
	E721304	398	399	0.011																		
	E721305	399	400	0.007																		
40	E721306	400	401	0.006																		

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-018**

Project: **WEL**

Mine Grid Easting: 7992.057

Planned Depth(m): 486

Drill Start Date: 2/12/2016

Mine Grid Northing: 11751.428

Actual Depth (m): 512

Drill End Date: 2/22/2016

Elevation: 5299.212

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: **WEL**

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	89.7	-53.6	MAXI
3	89.1	-53.2	MAXI
6	88.1	-53	MAXI
9	87.2	-52.6	MAXI
12	86.9	-51.9	MAXI
15	87	-51.5	MAXI
18	87.2	-51.7	MAXI
21	87.3	-51.7	MAXI
24	87.3	-51.7	MAXI
27	87.4	-51.6	MAXI
30	87.4	-51.5	MAXI
33	87.5	-51.6	MAXI
36	87.6	-51.7	MAXI
39	87.7	-51.6	MAXI
42	87.9	-51.6	MAXI
45	88	-51.4	MAXI
48	88	-51.1	MAXI
51	88.1	-50.8	MAXI
54	88.2	-50.6	MAXI
57	88.2	-50.3	MAXI
60	88.2	-50.3	MAXI
63	88.3	-50.2	MAXI
66	88.3	-50.1	MAXI
69	88.3	-50	MAXI
72	88.3	-49.9	MAXI
75	88.4	-49.9	MAXI
78	88.5	-49.7	MAXI
81	88.5	-49.4	MAXI
84	88.6	-49.4	MAXI
87	88.6	-49.4	MAXI
90	88.7	-49.3	MAXI
93	88.8	-49.2	MAXI
96	88.8	-49.2	MAXI
99	88.9	-49.1	MAXI
102	88.9	-49.1	MAXI
105	89	-49.1	MAXI
108	89.1	-49	MAXI
111	89.1	-49	MAXI
114	89.2	-49	MAXI
117	89.2	-48.9	MAXI
120	89.2	-48.9	MAXI
123	89.3	-48.9	MAXI
126	89.3	-48.8	MAXI
129	89.3	-48.7	MAXI
132	89.3	-48.6	MAXI
135	89.4	-48.6	MAXI
138	89.4	-48.5	MAXI
141	89.5	-48.5	MAXI
144	89.5	-48.5	MAXI
147	89.6	-48.4	MAXI
150	89.6	-48.3	MAXI
153	89.5	-48.2	MAXI
156	89.6	-48.1	MAXI
159	89.6	-48.1	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-018**

Project: **WEL**

Mine Grid Easting: 7992.057

Planned Depth(m): 486

Drill Start Date: 2/12/2016

Mine Grid Northing: 11751.428

Actual Depth (m): 512

Drill End Date: 2/22/2016

Elevation: 5299.212

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	89.7	-48	MAXI
165	89.7	-47.9	MAXI
168	89.8	-47.9	MAXI
171	89.8	-47.8	MAXI
174	89.9	-47.8	MAXI
177	89.9	-47.7	MAXI
180	90	-47.7	MAXI
183	90.1	-47.7	MAXI
186	90.2	-47.6	MAXI
189	90.2	-47.5	MAXI
192	90.3	-47.5	MAXI
195	90.3	-47.5	MAXI
198	90.4	-47.5	MAXI
201	90.5	-47.5	MAXI
204	90.5	-47.5	MAXI
207	90.6	-47.4	MAXI
210	90.6	-47.4	MAXI
213	90.7	-47.3	MAXI
216	90.8	-47.3	MAXI
219	90.9	-47.3	MAXI
222	90.9	-47.2	MAXI
225	91	-47.1	MAXI
228	91.1	-47	MAXI
231	91.2	-46.9	MAXI
234	91.2	-46.8	MAXI
237	91.1	-46.5	MAXI
240	91.1	-46.3	MAXI
243	91.2	-46.2	MAXI
246	91.1	-46.1	MAXI
249	91.1	-46	MAXI
252	91.1	-45.9	MAXI
255	91.1	-45.8	MAXI
258	91.1	-45.7	MAXI
261	91.1	-45.6	MAXI
264	91.1	-45.5	MAXI
267	91.1	-45.5	MAXI
270	91.2	-45.5	MAXI
273	91.2	-45.5	MAXI
276	91.2	-45.4	MAXI
279	91.3	-45.4	MAXI
282	91.3	-45.3	MAXI
285	91.4	-45.3	MAXI
288	91.4	-45.3	MAXI
291	91.4	-45.3	MAXI
294	91.5	-45.2	MAXI
297	91.5	-45.1	MAXI
300	91.5	-45.1	MAXI
303	91.5	-45.1	MAXI
306	91.6	-45.1	MAXI
309	91.6	-45	MAXI
312	91.7	-45	MAXI
315	91.7	-45	MAXI
318	91.8	-44.8	MAXI
321	91.8	-44.7	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-018**

Project: **WEL**

Mine Grid Easting: 7992.057

Planned Depth(m): 486

Drill Start Date: 2/12/2016

Mine Grid Northing: 11751.428

Actual Depth (m): 512

Drill End Date: 2/22/2016

Elevation: 5299.212

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	91.8	-44.6	MAXI
327	91.8	-44.5	MAXI
330	91.9	-44.5	MAXI
333	91.9	-44.4	MAXI
336	91.9	-44.4	MAXI
339	91.8	-44.4	MAXI
342	91.8	-44.4	MAXI
345	91.8	-44.4	MAXI
348	91.8	-44.3	MAXI
351	91.8	-44.3	MAXI
354	91.8	-44.3	MAXI
357	91.9	-44.2	MAXI
360	91.9	-44.2	MAXI
363	91.9	-44.1	MAXI
366	91.9	-44.1	MAXI
369	91.9	-44.1	MAXI
372	91.9	-44	MAXI
375	92	-44	MAXI
378	92	-43.9	MAXI
381	92	-43.9	MAXI
384	92	-43.9	MAXI
387	92	-43.7	MAXI
390	92.1	-43.7	MAXI
393	92.2	-43.6	MAXI
396	92.2	-43.6	MAXI
399	92.2	-43.5	MAXI
402	92.3	-43.5	MAXI
405	92.3	-43.4	MAXI
408	92.4	-43.3	MAXI
411	92.4	-43.3	MAXI
414	92.5	-43.3	MAXI
417	92.34	-43.29	MAXI
420	92.36	-43.25	MAXI
423	92.38	-43.2	MAXI
426	92.4	-43.16	MAXI
429	92.42	-43.11	MAXI
432	92.44	-43.07	MAXI
435	92.46	-43.02	MAXI
438	92.49	-42.98	MAXI
441	92.51	-42.94	MAXI
444	92.53	-42.89	MAXI
447	92.55	-42.85	MAXI
450	92.57	-42.8	MAXI
453	92.59	-42.76	MAXI
456	92.61	-42.72	MAXI
459	92.63	-42.67	MAXI
462	92.65	-42.63	MAXI
465	92.68	-42.58	MAXI
468	92.7	-42.54	MAXI
471	92.72	-42.49	MAXI
474	92.74	-42.45	MAXI
477	92.76	-42.41	MAXI
480	92.78	-42.36	MAXI
483	92.8	-42.32	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-018**

Project: **WEL**

Mine Grid Easting: 7992.057

Planned Depth(m): 486

Drill Start Date: 2/12/2016

Mine Grid Northing: 11751.428

Actual Depth (m): 512

Drill End Date: 2/22/2016

Elevation: 5299.212

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
486	92.82	-42.27	MAXI
498	89.717	-42.7	EZS

16-WEL-018

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT											
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments			
117	120.5	6W																120	120.1	40	MOD	S1																	
120.5	122.3	6W																																					
122.3	125.6	4F																																					
125.6	128																								126.9	127.2	50	MOD	SF										
128	128.5	4F							8																128.4	128.5	60	INT	MF										
128.5	138.8																								129.5	129.8	50	INT	SF										
138.8	145.8	4F							3																														
145.8	148.6	4EF							7																														
148.6	152.8	4F							4																150	150.1	40	MOD	S1										
152.8	155.3								2																														
155.3	155.8	4F							2																														
155.8	159.7	2																																					
159.7	162.7	4FE																																					

122.5 122.6 25 MOD E BR

125.3 125.4 50 WEK Methane Fault Possible Meth fit or BR

142.5 142.6 45 MOD E BR Methane Fault

143.1 143.2 55 WEK

Depth	MAJOR UNIT			MINERALS						QTZ VEINING						FABRIC						FOLD						FAULT														
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments						
159.7	162.7	4FE																160	160.1	60	MOD	S1		160.6	160.7	50	MOD	FD														
162.7	165.1	2																																								
165.1	168.6	4FE																																								
168.6	172.3	4FE						4	1	blebby wisps	168.6	172.3	QZ	10	m	I	55	Sheared qtz veins making small pods/clasts?	170	170.1	55	MOD	S1		170.8	170.9	60	INT	MF		168.6	172.3	55	MOD E	HZ							
172.3	175.6	4						3		wisps																																
175.6	177.2	4FE						3		wisps	176	177.2	QZ	15	m	I		Sheared/folded, possible chert bands?	176.2	176.4	10	INT	FD		175.6	177.2	30	INT	SZ	Irregular												
								8		fg wisps forming bands														176.8	176.9	20	INT	ZF														
								8		fg wisps																																
177.2	187.4	4FE						5		fg wisps														180	180.1	40	MOD	S1		181.3	181.5	55	INT	MF								
								6		blebby wisps														182.7	183	45	INT	SF		183.8	184	30	MOD	MF		184.8	185	40	MOD	SF		
								15		Blebs/wisps/threads along banding/folding	187.4	190.2	QZ	20	m	I		Sheared/folded qtz veins (possible chert bands?)	187	187.1	35	MOD	MF		188	189.3	30	MOD	SF		187.4	190.2	20	INT	SZ							
187.4	190.2	2						4		fg wisps														189.4	189.5	25	MOD	ZF														
190.2	201.3	4FE						2		wisps locally																				196.5	197.2	45	MOD E	HZ								

16-WEL-018

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments		
159.7	E709597	159.7	160.7	0.254	159.7	162.7	4FE	B	BA	Brown-maroon-dark green, banded, porphyroblastic, non mag, well developed 4FE. Alternating 2-5cm bands of 60% bio/grnts, 35% green amph/grnts. Minor folding mid unit, with intercalated meta-sediment. 1% wispy PO locally. Sharp LC with 2.													
160.7	E709598	160.7	161.7	0.075																			
161.7	E709599	161.7	162.7	0.196																			
162.7	E709601	162.7	163.5	0.008	162.7	165.1	2	DG	FOL	Dark green-brown, fg, well foliated, non mag, mafic volcanic. Mod patchy/banded green amph and bio alt. 2% crb veinlets throughout. Trace-1% PO. Sharp LC with 4FE.													
163.5	E709602	163.5	164.3	0.009																			
164.3	E709603	164.3	165.1	0.007																			
165.1	E709604	165.1	166	0.009	165.1	168.6	4FE	B	BA	Brown-maroon-dark green, banded, porphyroblastic, non mag, well developed 4FE. Alternating 2-4cm bands of 60% bio/grnts, 35% green amph/grnts. 2-3% wispy PO locally. Diffuse LC with 4E.													
166	E709605	166	167	0.01																			
167	E709606	167	168	0.062																			
168	E709607	168	168.6	0.011	168.6	172.3	4E	DG	DI	Dark green-grey, distorted/sheared, banded, well foliated, non mag, poorly developed 4E. Patches/bands of more typical/well developed 4E, mainly sheared green amph rich lacking grnts. 20% qtz veins/chert bands? that have been stretched/folded.	4% wispy PO. 1% Py throughout. Diffuse LC with 4F.												
168.6	E709608	168.6	169	0.011																			
169	E709609	169	170	0.008																			
170	E709611	170	171	0.037	168.6	172.3	4E	DG	DI	Dark green-grey, distorted/sheared, banded, well foliated, non mag, poorly developed 4E. Patches/bands of more typical/well developed 4E, mainly sheared green amph rich lacking grnts. 20% qtz veins/chert bands? that have been stretched/folded.	4% wispy PO. 1% Py throughout. Diffuse LC with 4F.												
171	E709612	171	171.6	0.058																			
171.6	E709613	171.6	172.3	0.082																			
172.3	E709614	172.3	173	0.023	172.3	175.6	4E	B	POR BL	Brown-maroon, porphyroblastic, fg-mg, foliated, non mag, well developed 4F. 2-4mm grnts within fg bio matrix. 10% 4E/green amph wisps. Trace-1% PO throughout, up to 3% within 4E. Sharp LC with 4E.													
173	E709615	173	174	0.012																			
174	E709616	174	175	0.007																			
175	E709617	175	175.6	0.014	175.6	177.2	4E	DG	DI	Dark green-beige-maroon, fg-mg, banded, distorted/sheared, non mag, poorly developed 4E. Multiple small patches (10-15cm) of possible 4EA? distorted grn/grnt/green amph bands. 20% (1-7cm) chert bands. Intense folding throughout.	3% fg wispy PO throughout, increasing to 8% at LC. Diffuse LC with 4EF.												
175.6	E709618	175.6	176.4	2.49																			
176.4	E709619	176.4	177.2	0.799																			
177.2	E709621	177.2	178	0.089	177.2	187.4	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. Majority of 4E concentrated mid-unit. 2-6% wispy PO throughout, within 4E. Sheared LC with 2.													
178	E709622	178	179	0.014																			
179	E709623	179	180	0.032																			
180	E709624	180	181	0.02	177.2	187.4	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. Majority of 4E concentrated mid-unit. 2-6% wispy PO throughout, within 4E. Sheared LC with 2.													
181	E709625	181	182	0.039																			
182	E709626	182	183	0.01																			
183	E709627	183	184	0.018	183	185	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. Majority of 4E concentrated mid-unit. 2-6% wispy PO throughout, within 4E. Sheared LC with 2.													
184	E709628	184	185	0.011																			
185	E709629	185	185.6	0.019																			
185.6	E709631	185.6	186.2	0.012	185.6	186.9	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. Majority of 4E concentrated mid-unit. 2-6% wispy PO throughout, within 4E. Sheared LC with 2.													
186.2	E709632	186.2	186.9	0.054																			
186.9	E709633	186.9	187.9	0.021																			
187.9	E709634	187.9	188.6	2.43	187.4	190.2	2	DG	DI	Dark green-beige-grey, fg, banded/foliated, sheared/distorted, non mag, mafic volcanic with strong green amph alt, 20% intercalated poorly developed 4E, with minor grun. 25% qtz veining/chert bands? 0.5-2cm wide alternating with green amph/mafic?	15% grun within green amph/mafic bands. 15% blebby/wispy PO within 4E section, 1% throughout rest of unit. Intense folding throughout. Sharp LC with 4FE.												
188.6	E709635	188.6	189.4	0.532																			
189.4	E709636	189.4	190.2	0.904																			
190.2	E709637	190.2	191.2	0.009	190.2	201.3	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. % of 4E increases toward LC. 2-4% wispy PO throughout. Diffuse LC with 6.													
191.2	E709638	191.2	192	0.005																			
192	E709639	192	192.9	0.011																			
192.9	E709641	192.9	193.5	0.005	192.9	194	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. % of 4E increases toward LC. 2-4% wispy PO throughout. Diffuse LC with 6.													
193.5	E709642	193.5	194	0.008																			
194	E709643	194	195	0.014																			
195	E709644	195	196	0.009	195	197	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. % of 4E increases toward LC. 2-4% wispy PO throughout. Diffuse LC with 6.													
196	E709645	196	197	0.011																			
197	E709646	197	198	0.008																			
198	E709647	198	199	0.007	198	200	4FE	B	BA	Brown-dark green, fg-mg, banded, folded, non mag, well developed 4FE. Alternating 4-10cm bands of 55% bio/grnts and 45% green amph/grnts. % of 4E increases toward LC. 2-4% wispy PO throughout. Diffuse LC with 6.													
199	E709648	199	200	0.012																			
200	E709649	200	201	0.007																			

16-WEL-018

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E709698	240	241	0.227	239.3	272.1	2	DG	FOL	Dark green-grey, fg, well foliated, non mag, mafic volcanic. weak to mod patchy bio and crb alt throughout. 2% Qtz-crb veining throughout. 1-2% fg wisps PO locally, with 3% from 250.8-252m.	The last metre of the unit is sheared with 20% intercalated 4E and 15% blebby/wispy PO. Sharp LC with 4E.											
	E709699	241	242	0.033																		
	E709701	242	243	0.068																		
	E709702	243	244	0.237																		
	E709703	244	245	1.01																		
245	E709704	245	246	0.033																		
	E709705	246	247	0.015																		
	E709706	247	248	0.018																		
	E709707	248	249	0.031																		
	E709708	249	250	0.074																		
246	E709709	250	250.8	0.126																		
	E709711	250.8	251.4	0.036																		
	E709712	251.4	252	0.297																		
	E709713	252	253	0.116																		
	E709714	253	254	0.014																		
	E709715	254	255	0.025																		
245	E709716	255	256	0.687																		
	E709717	256	257	0.013																		
	E709718	257	258	0.707																		
	E709719	258	259	0.186																		
246	E709721	259	260	0.067																		
	E709722	260	261	0.03																		
	E709723	261	262	0.038																		
	E709724	262	263	0.011																		
	E709725	263	264	0.005																		
	E709726	264	265	0.006																		
245	E709727	265	266	0.015																		
	E709728	266	267	0.036																		
	E709729	267	268	0.014																		
	E709731	268	269	0.251																		
	E709732	269	270	0.126																		
214	E709733	270	270.6	0.056																		
	E709734	270.6	271.3	0.03																		
	E709735	271.3	272.1	4.36																		
	E709736	272.1	273	0.044	272.1	281	4FE	B	POR BL	Brown-maroon-dark green, porphyroblastic, foliated, weakly banded, non mag, well developed 4FE. Alternating 2-10cm bands/patches of bio/grnts and green amph/grnts. 8% Qtz-crb veinlets with green amph along margins. Trace-2% PO locally.	Diffuse LC with 4F.											
	E709737	273	274	0.015																		
	E709738	274	275	0.067																		
225	E709739	275	276	0.234																		
	E709741	276	277	0.151																		
	E709742	277	278	0.224																		
	E709743	278	279	0.218																		
	E709744	279	280	0.221																		
246	E709745	280	281	0.099																		

16-WEL-018

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E709793	320	321	0.012	301.8	335.8	4F	B	POR BL	Dark brown-maroon, fg-mg, porphyroblastic, weakly banded, well foliated, non mag, well developed 4F. 5% 1cm bands/wisps 4E mid unit. Weak folding locally. Gouge fits at 309 and 335m. Trace-3% fg wisps PO locally. Diffuse LC with 2.												
	E709794	321	322	0.007																		
	E709795	322	323	0.006																		
	E709796	323	324	0.006																		
	E709797	324	325	0.006																		
325	E709798	325	326	0.007																		
	E709799	326	327	0.008																		
	E709801	327	328	0.008																		
	E709802	328	329	0.013																		
	E709803	329	330	0.016																		
330	E709804	330	331	0.019																		
	E709805	331	332	0.025																		
	E709806	332	333	0.016																		
	E709807	333	334	0.173																		
	E709808	334	335	0.038																		
335	E709809	335	335.8	0.016	335.8	378.1	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Mod patchy bio and crb alt, bio alt increasing down unit. 5% 2-5mm grmts scattered in first 2m of unit. Up to 3% fg wispy PO locally mid-unit, trace-1% throughout rest of unit.	Diffuse LC with 4FE.											
	E709811	335.8	336.4	0.006																		
	E709812	336.4	337	0.015																		
	E709813	337	338	0.006																		
	E709814	338	339	0.007																		
340	E709815	339	340	0.012																		
	E709816	340	341	0.01																		
	E709817	341	342	0.01																		
	E709818	342	343	0.021																		
	E709819	343	344	0.058																		
345	E709821	344	345	0.302																		
	E709822	345	346	0.033																		
	E709823	346	347	0.01																		
	E709824	347	348	1.6																		
	E709825	348	349	0.392																		
350	E709826	349	350	0.016																		
	E709827	350	351	0.015																		
	E709828	351	352	0.02																		
	E709829	352	353	0.011																		
	E709831	353	354	0.049																		
	E709832	354	354.7	1.55																		
355	E709833	354.7	355.4	0.073																		
	E709834	355.4	356	0.106																		
	E709835	356	357	0.036																		
	E709836	357	358	0.031																		
	E709837	358	359	0.198																		
	E709838	359	360	0.058																		
360	E709839	360	360.7	0.023																		

16-WEL-018

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
345	E709839	360	360.7	0.023	335.8	378.1	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Mod patchy bio and crb alt, bio alt increasing down unit. 5% 2-5mm grnts scattered in first 2m of unit. Up to 3% fg wispy PO locally mid-unit, trace-1% throughout rest of unit.	Diffuse LC with 4FE.											
	E709840	360.7	361.7	0.022																		
	E709841	360.7	361.7	0.022																		
	E709842	361.7	362.3	0.35																		
	E709843	362.3	363	0.154																		
	E709844	363	364	0.046																		
	E709845	364	365	0.139																		
	E709846	365	366	0.209																		
	E709847	366	366.9	0.577																		
	E709848	366.9	367.5	0.016																		
	E709849	367.5	368	0.024																		
	E709851	368	369	0.008																		
	E709852	369	370	0.011																		
	E709853	370	371	0.073																		
	E709854	371	372	0.203																		
	E709855	372	373	0.084																		
	E709856	373	374	0.007																		
	E709857	374	375	0.053																		
	E709858	375	376	0.027																		
	E709859	376	377	0.03																		
	E709861	377	377.5	0.015																		
	E709862	377.5	378.1	0.076																		
	E709863	378.1	379	0.258																		
346	E709864	379	380	0.67	378.1	382	4FE	B	BA	Brown-maroon-dark green, fg-mg, porphyroblastic, banded, well foliated, non mag, well developed 4FE. Most of 4E bands concentrated in first and last metre of unit, alternating 1-4cm bands, HZ in these areas. 3% wisps/blebs PO mainly in along 4E bands.	Sharp LC with 2.											
	E709865	380	381	0.027																		
	E709866	381	382	0.104	384.6	401.3	4FE	B	BA	Brown-maroon-dark green, banded, porphyroblastic, fg-mg, non mag, well developed 4FE. 70% 2-30cm bio/grnt bands with 20% 1-8cm green amph/grnt bands. 2% patchy staur. Localized folding.	5% qtz veining throughout, majority proximal to 4E banding, this is also where most of min found, 3-4% wispy/blebs locally. 20% qtz vein with 8% PO at LC. Sheared LC with 6.											
	E709867	382	382.6	0.056																		
	E709868	382.6	383.2	0.096																		
	E709869	383.2	383.9	0.02																		
	E709871	383.9	384.6	0.019																		
	E709872	384.6	385	0.011																		
	E709873	385	386	0.384																		
	E709874	386	387	0.229																		
	E709875	387	388	0.015																		
	E709876	388	389	0.007																		
	E709877	389	390	0.009																		
	E709878	390	391	0.022																		
	E709879	391	392	0.026																		
	E709881	392	393	0.027																		
	E709882	393	394	0.088																		
	E709883	394	395	0.008																		
	E709884	395	396	0.011																		
	E709885	396	397	0.014																		
	E709886	397	398	1.29																		
	E709887	398	399	0.011																		
	E709888	399	400	0.009																		
40	E709889	400	401	0.096																		

16-WEL-018

Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
432.7	E709944	439.7	440.7	0.203	432.7	445.8	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. weak-mod patchy bio and crb alt. 8% qtz veins spread throughout, mineralization associated with majority. Increased mineralization from 439.7-440.7m, 5% PO, Py, CP. Sharp LC with 4F.											
	E709945	440.7	441.6	0.169																	
	E709946	441.6	442	0.048																	
	E709947	442	443	0.235																	
	E709948	443	444	0.016																	
	E709949	444	445	0.016																	
445	E709951	445	445.8	0.119																	
	E709952	445.8	446.4	0.024																	
	E709953	446.4	447	0.017																	
	E709954	447	448	0.028																	
	E709955	448	449	0.117																	
	E709956	449	450	0.09																	
449	E709957	450	451	0.026																	
	E709958	451	452	0.248																	
	E709959	452	452.5	0.023																	
	E709961	452.5	453.1	0.38																	
	E709962	453.1	453.8	0.856																	
	E709963	453.8	454.4	0.441																	
445	E709964	454.4	455	3.6																	
	E709965	455	456	1.15																	
	E709966	456	457	1.37																	
	E709967	457	457.9	0.532																	
	E709968	457.9	458.8	14.3																	
440	E709969	458.8	459.8	0.292																	
	E709971	459.8	460.8	0.925																	
	E709972	460.8	461.4	0.589																	
	E709973	461.4	462	0.052																	
	E709974	462	463	0.851																	
	E709975	463	464	0.035																	
445	E709976	464	465	0.008																	
	E709977	465	466	0.49																	
	E709978	466	467	0.035																	
	E709979	467	468	0.007																	
	E709981	468	469	0.005																	
440	E709982	469	470	0.017																	
	E709983	470	470.5	0.074																	
	E709984	470.5	471	0.005																	
	E709985	471	472	0.005																	
	E709986	472	473	0.011																	
	E709987	473	474	0.086																	
445	E709988	474	475	1.78																	
	E709989	475	475.6	0.008																	
	E709991	475.6	476	0.013																	
	E709992	476	477	1.02																	
	E709993	477	478	3.6																	
	E709994	478	479	0.081																	
	E709995	479	480	0.058																	
449	E709996	480	481	0.089																	

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-024**

Project: **WEL**

Mine Grid Easting: 8043.434

Planned Depth(m): 501

Drill Start Date: 2/24/2016

Mine Grid Northing: 11552.042

Actual Depth (m): 501

Drill End Date: 3/4/2016

Elevation: 5299.485

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	88.9	-50.3	MAXI
3	89.8	-48.7	MAXI
6	90.1	-48.5	MAXI
9	90.1	-48.3	MAXI
12	90	-48	MAXI
15	90	-48	MAXI
18	90.1	-48	MAXI
21	90.1	-48	MAXI
24	90.1	-48	MAXI
27	90.1	-48	MAXI
30	90	-47.9	MAXI
33	90.1	-48.1	MAXI
36	90.1	-48.1	MAXI
39	90.1	-48	MAXI
42	90.2	-48	MAXI
45	90.2	-48	MAXI
48	90.3	-48	MAXI
51	90.3	-47.9	MAXI
54	90.3	-47.8	MAXI
57	90.3	-47.8	MAXI
60	90.3	-47.7	MAXI
63	90.3	-47.7	MAXI
66	90.3	-47.7	MAXI
69	90.3	-47.6	MAXI
72	90.3	-47.7	MAXI
75	90.3	-47.6	MAXI
78	90.4	-47.6	MAXI
81	90.3	-47.6	MAXI
84	90.3	-47.5	MAXI
87	90.4	-47.4	MAXI
90	90.4	-47.4	MAXI
93	90.4	-47.3	MAXI
96	90.4	-47.3	MAXI
99	90.4	-47.3	MAXI
102	90.4	-47.3	MAXI
105	90.4	-47.2	MAXI
108	90.4	-47.1	MAXI
111	90.4	-47.1	MAXI
114	90.5	-47.1	MAXI
117	90.5	-47	MAXI
120	90.5	-47	MAXI
123	90.6	-47	MAXI
126	90.6	-47	MAXI
129	90.7	-46.9	MAXI
132	90.6	-46.9	MAXI
135	90.7	-46.9	MAXI
138	90.7	-46.9	MAXI
141	90.7	-46.8	MAXI
144	90.7	-46.8	MAXI
147	90.7	-46.8	MAXI
150	90.7	-46.8	MAXI
153	90.7	-46.8	MAXI
156	90.7	-46.7	MAXI
159	90.7	-46.7	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-024**

Project: **WEL**

Mine Grid Easting: 8043.434

Planned Depth(m): 501

Drill Start Date: 2/24/2016

Mine Grid Northing: 11552.042

Actual Depth (m): 501

Drill End Date: 3/4/2016

Elevation: 5299.485

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	90.7	-46.7	MAXI
165	90.7	-46.6	MAXI
168	90.7	-46.6	MAXI
171	90.7	-46.5	MAXI
174	90.7	-46.5	MAXI
177	90.7	-46.5	MAXI
180	90.7	-46.5	MAXI
183	90.7	-46.4	MAXI
186	90.7	-46.4	MAXI
189	90.7	-46.3	MAXI
192	90.7	-46.3	MAXI
195	90.7	-46.3	MAXI
198	90.7	-46.3	MAXI
201	90.7	-46.2	MAXI
204	90.6	-46.2	MAXI
207	90.7	-46.1	MAXI
210	90.7	-46.1	MAXI
213	90.7	-46.1	MAXI
216	90.7	-46.1	MAXI
219	90.7	-46.1	MAXI
222	90.7	-46	MAXI
225	90.8	-46	MAXI
228	90.8	-46.1	MAXI
231	90.8	-46.1	MAXI
234	90.8	-46.1	MAXI
237	90.8	-46	MAXI
240	90.8	-45.9	MAXI
243	90.7	-45.9	MAXI
246	90.7	-45.9	MAXI
249	90.7	-45.9	MAXI
252	90.7	-45.8	MAXI
255	90.6	-45.7	MAXI
258	90.7	-45.7	MAXI
261	90.7	-45.6	MAXI
264	90.7	-45.6	MAXI
267	90.7	-45.6	MAXI
270	90.7	-45.5	MAXI
273	90.7	-45.5	MAXI
276	90.7	-45.5	MAXI
279	90.8	-45.5	MAXI
282	90.8	-45.5	MAXI
285	90.8	-45.4	MAXI
288	90.8	-45.4	MAXI
291	90.8	-45.3	MAXI
294	90.8	-45.3	MAXI
297	90.9	-45.3	MAXI
300	90.9	-45.3	MAXI
303	90.9	-45.2	MAXI
306	90.9	-45.2	MAXI
309	90.9	-45.1	MAXI
312	90.9	-45	MAXI
315	91	-45	MAXI
318	91	-44.9	MAXI
321	91	-44.9	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-024**

Project: **WEL**

Mine Grid Easting: 8043.434

Planned Depth(m): 501

Drill Start Date: 2/24/2016

Mine Grid Northing: 11552.042

Actual Depth (m): 501

Drill End Date: 3/4/2016

Elevation: 5299.485

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	91	-44.8	MAXI
327	91	-44.8	MAXI
330	91	-44.7	MAXI
333	91.1	-44.7	MAXI
336	91.1	-44.6	MAXI
339	91.1	-44.6	MAXI
342	91	-44.5	MAXI
345	91.1	-44.4	MAXI
348	91	-44.3	MAXI
351	91.1	-44.3	MAXI
354	91.1	-44.3	MAXI
357	91	-44.2	MAXI
360	91	-44.3	MAXI
363	91	-44.2	MAXI
366	91	-44.1	MAXI
369	91	-44.1	MAXI
372	91	-44.1	MAXI
375	91	-44	MAXI
378	91	-44	MAXI
381	91	-44	MAXI
384	90.9	-43.9	MAXI
387	91	-43.9	MAXI
390	91	-43.9	MAXI
393	90.9	-43.9	MAXI
396	90.9	-43.8	MAXI
399	90.9	-43.8	MAXI
402	90.9	-43.8	MAXI
405	90.9	-43.7	MAXI
408	90.9	-43.7	MAXI
411	91	-43.6	MAXI
414	91	-43.6	MAXI
417	91	-43.6	MAXI
420	91	-43.6	MAXI
423	91	-43.5	MAXI
426	91	-41.9	MAXI
429	91	-43.5	MAXI
432	91	-43.4	MAXI
435	91	-43.5	MAXI
438	91.1	-43.5	MAXI
441	91.1	-43.7	MAXI
444	91.1	-43.8	MAXI
447	91.1	-44	MAXI
450	91.1	-44.1	MAXI
453	91.1	-44.2	MAXI
456	91.1	-44.4	MAXI
459	91.2	-44.5	MAXI
462	91.2	-44.6	MAXI
465	91.2	-44.8	MAXI
468	91.2	-44.9	MAXI
471	91.2	-45	MAXI
474	91.2	-45.2	MAXI
477	91.2	-45.3	MAXI
480	91.3	-45.4	MAXI
483	91.3	-45.6	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-024**

Project: **WEL**

Mine Grid Easting: 8043.434

Planned Depth(m): 501

Drill Start Date: 2/24/2016

Mine Grid Northing: 11552.042

Actual Depth (m): 501

Drill End Date: 3/4/2016

Elevation: 5299.485

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
486	91.3	-45.7	MAXI
489	91.3	-45.8	MAXI
492	91.3	-46	MAXI
495	91.3	-46.1	MAXI
498	91.3	-46.2	MAXI
501	91.4	-46.4	MAXI

16-WEL-024

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT															
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments							
119.9	121.1	4E																							120.8	120.9	50	MOD	SF														
121.1	122.2	4E																								121.1	122.2	40	MOD	HZ													
122.2	126.3	4E																	124	124.1	55	MOD	S0																				
126.3	129.4	4E																								126.3	129.4	40	MOD	MF													
129.4	133.3	4E																								129.5	131	40	MOD	MF													
133.3	139.9	4EA																								132	132.1	20	MOD	S0													
139.9	145.5	4E																								134	134.2	60	MOD	FD													
145.5	146.7	4E																								135	135.2	45	MOD	FD													
146.7	149.6	4E																								137	137.5	35	MOD	FD													
149.6	152.9	2																								137.6	137.7	55	MOD	FD													
152.9	160.7	2																								141.2	141.4	40	MOD	HZ													
																										142.7	143.2	45	MOD	HZ													
																										144.2	145.5	40	MOD	HZ													
																										146.8	147	QZ	100	m	S	30											
																										148	148.1	50	MOD	S1													
																										148.5	152.9	45	WEK	HZ													
																										158	158.1	25	MOD	S1													

16-WEL-024

Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E710378	39.8	40.8	0.069	39.8	45.7	4F	P	BA	Brown-maroon-green; fine grained; well foliated; moderately folded. Well-developed 4F with 10-20% intercalated 4E bands – strong dark green amph – mod grunerite alt. 4-5% thin qtz-carb veinlets. Trace to 1% fine grained po. Gradational LC.												
	E710379	40.8	41.8	0.068																		
	E710381	41.8	42.8	0.108																		
	E710382	42.8	43.8	0.035																		
	E710383	43.8	44.8	0.022																		
45	E710384	44.8	45.7	0.035	45.7	47.1	4E	GG	FOL	Grey-green-maroon-brown; fine grained; moderately foliated – weakly banded. 4E – 15-20% grt-bio bands. 20-30% qtz veins – weakly crystalline. ~10% med to coarse grained grts with dark green amph bands.	5 to 20% fine grained wispy to semi-massive bands of po +/- trace cp. Weak grunerite alt at LC – Sharp LC.											
	E710385	45.7	46.5	0.429																		
	E710386	46.5	47.1	1.38																		
	E710387	47.1	48.1	0.12																		
	E710388	48.1	49.1	0.913																		
50	E710389	49.1	50.1	0.074	47.1	53.1	4F	B	FOL	Brown-maroon; fine to med grained; well foliated. Well-developed 4F – biotite ground mass locally med grained. Grts occur as porphyroblasts and tight bands. Grts have been pulled out of groundmass – gives vuggy texture.	Weak bands of fine grained staurolite. 5-7% qtz veins – rare carb veinlets. No visible min. Gradational LC.											
	E710391	50.1	51.1	0.048																		
	E710392	51.1	52.1	0.03																		
	E710393	52.1	53.1	0.061																		
	E710394	53.1	54	0.479																		
55	E710395	54	55	0.088	53.1	56.7	4FE	B	FOL	Grey-green-maroon-brown; fine grained; mod banding; mod folding. 4EF – 60-40 split – strong qtz flooding. 2-4% blebby po. Weak amph alt within 4F bands. Grts have been pulled out of matrix as above giving vuggy texture. Gradational LC.												
	E710396	55	56	0.084																		
	E710397	56	56.7	1.27																		
	E710398	56.7	57.4	0.05																		
	E710399	57.4	58.1	0.051																		
	E710401	58.1	58.7	10.4	58.1	59.3	4E	GG	BA	Green-maroon-brown; fine grained; weakly banded – moderately deformed and folded. Poorly developed 4E – 10-15% 4F bands at contacts. Strong qtz flooding. ~10% anhedral grts – occur in loose to mod tight bands. 3-4% blebby fine grained po-py.	Gradational LC.											
	E710402	58.7	59.3	1.18																		
60	E710403	59.3	60.3	0.311																		
	E710404	60.3	61	0.09																		
	E710405	61	62	2.53																		
	E710406	62	63	0.839	59.3	102.3	4F	B	FOL	Brown/black-maroon; fine grained; well foliated; weak to mod banded – weak folding. Well-developed 4F. Weak amph alt – associated with qtz veins. Patchy strong staurolite alt – 10-20% fine to coarse grained. Mod green clay alt over lower ~3m.	1-2% wispy and diss fine grained po throughout unit. Patchy qtz flooding - 10-50cm zones - decreases downhole. 2-3% carb veins. Sharp LC.											
	E710407	63	64	0.183																		
	E710408	64	65	0.284																		
65	E710409	65	66	0.236																		
	E710411	66	67	0.068																		
	E710412	67	68	3.07																		
	E710413	68	69	0.043																		
70	E710414	69	70	0.028																		
	E710415	70	71	0.046																		
	E710416	71	72	0.175																		
	E710417	72	73	0.035																		
	E710418	73	74	0.025																		
75	E710419	74	75	0.024																		
	E710421	75	76	0.017																		
	E710422	76	77	0.029																		
	E710423	77	78	0.028																		
	E710424	78	79	0.028																		
	E710425	79	80	0.029																		
	E710426	80	81	0.021																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E710527	159.9	160.7	0.008	152.9	160.7	6W	G	FOL	Grey-green-brown; f.g.; locally banded; well foliated. Meta-sediment. 3-5% 3-50mm 4F bands. Weak to mod patchy bio alt. Mod patchy amph alt. Strong silica alt. 2-3% magnetic rich bands 5-10mm. 1-2% carb veinlets. 3-5% local blebby stringers of po. Brown; fine grained; moderately foliated; garnet bearing meta-sediment – more homogeneous than unit above. 3-5% med grained grts. ~1% thin carb veinlets. No visible min. Patchy amph alt halos around fractures. Sharp LC	~10% intercalated meta-volcanic beds. Rare qtz clasts/. 1-2% fine grained bands of staurolite. ~1-2% m.g. grts over lower 40cm. LC marked by qtz vein.											
	E710528	160.7	161.6	0.016	160.7	161.6		B	FOL													
	E710529	161.6	162.3	0.014																		
	E710531	162.3	163	0.009																		
	E710532	163	164	0.012																		
	E710533	164	165	0.019																		
	E710534	165	166	0.019																		
	E710535	166	167	0.019																		
	E710536	167	168	0.016																		
	E710537	168	169	0.035																		
	E710538	169	170	0.03																		
	E710539	170	171	0.03																		
	E710541	171	172	0.011																		
	E710542	172	173	0.007																		
	E710543	173	174	0.009																		
	E710544	174	175	0.007																		
	E710545	175	176	0.026																		
	E710546	176	177	0.012	161.6	192.2	4F	P	BA	Pink-black-green-yellow; fine grained; moderately banded. 4F – 10-15% intercalated bands of 4E. 20-25% grt porphyroblasts – locally form moderately tight bands. 5-15% fine grained staurolite alt. Weak patchy qtz flooding/veining 3-5%.	Weak to moderate amph alt increasing downhole. 2-3% wispy and blebby po. Gradational LC – Intercalated bands of 4F-4E-2 from 189.3m to LC.											
	E710547	177	178	0.005																		
	E710548	178	179	0.085																		
	E710549	179	180	0.079																		
	E710551	180	181	0.06																		
	E710552	181	182	0.084																		
	E710553	182	183	0.028																		
	E710554	183	184	0.011																		
	E710555	184	185	0.02																		
	E710556	185	186	0.032																		
	E710557	186	187	0.017																		
	E710558	187	188	0.01																		
	E710559	188	189	0.01																		
	E710561	189	190	0.007																		
	E710562	190	191	0.006																		
	E710563	191	191.6	0.009																		
	E710564	191.6	192.2	0.207																		
	E710565	192.2	193	0.127																		
	E710566	193	194	0.109																		
	E710567	194	195	0.03																		
	E710568	195	196	0.259																		
	E710569	196	197	0.122	192.2	208.8	2	DG	FOL	Dark green-black; fine grained; well foliated – moderately strained. Mafic meta-volcanic. Strong amph alt. Mod patchy bio alt – predominately associated with veining. 7-12% qtz veining – sub parallel to foliation. 2-3% carb veinlets.	Trace to 1% fine grained po. Gradational LC.											
	E710571	197	198	0.128																		
	E710572	198	199	0.253																		
	E710573	199	200	0.011																		
	E710574	200	201	0.469																		

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E710574	200	201	0.469	192.2	208.8	2	DG	FOL	Dark green-black; fine grained; well foliated – moderately strained. Mafic meta-volcanic. Strong amph alt. Mod patchy bio alt – predominately associated with veining. 7-12% qtz veining – sub parallel to foliation. 2-3% carb veinlets.	Trace to 1% fine grained po. Gradational LC.											
	E710575	201	202	0.009																		
	E710576	202	203	1.16																		
	E710577	203	204	0.182																		
	E710578	204	205	0.024																		
	E710579	205	206	0.054																		
	E710581	206	207	0.031																		
	E710582	207	208	0.032																		
	E710583	208	208.8	0.352																		
	E710584	208.8	209.4	0.066																		
	E710585	209.4	210	0.017	208.8	230.6	4F	P	POR BL	Pink-brown; fine grained; moderately foliated – weakly banded. Well-developed 4F – 5-10% 4E bands – 2-25cm – 2-3% diss po. 2-4% qtz veins – 1-2% sporadic carb veins. Foliation flattening downhole. Trace to 1% fine grained blebs and wispy po.	Gradational LC.											
	E710586	210	211	0.057																		
	E710587	211	212	0.01																		
	E710588	212	213	0.011																		
	E710589	213	214	0.013																		
	E710591	214	215	0.03																		
	E710592	215	216	0.079																		
	E710593	216	217	0.062																		
	E710594	217	218	0.045																		
	E710595	218	219	0.107																		
	E710596	219	220	0.021																		
	E710597	220	221	0.013																		
	E710598	221	222	0.029																		
	E710599	222	223	0.013																		
	E710601	223	224	0.011																		
	E710602	224	225	0.005																		
	E710603	225	226	0.009																		
	E710604	226	227	0.006																		
	E710605	227	228	0.006																		
	E710606	228	229	0.005																		
	E710607	229	230	0.006																		
	E710608	230	230.6	0.02																		
	E710609	230.6	231.3	0.936																		
	E710611	231.3	232	0.02																		
	E710612	232	233	0.452	230.6	234.7	6W	B	FOL	Brown-black; fine grained to aphanitic; moderately foliated and folded – locally laminated. 6W – 20-30% intercalated bands of 2. 2-4% med grained grts. Strong biotite alt. Strong amph alt – occurs as 2-30mm bands.	Low angle to core axis – undulating foliation – sub parallel 1-2% wispy fine grained po. 1-2% wispy conformable and cross cutting carb veinlets. 1-2% sporadic qtz veins. Gradational LC.											
	E710613	233	234	0.132																		
	E710614	234	234.7	0.017																		
	E710615	234.7	235.7	0.028	234.7	244.7	2	DG	FOL	Dark green-black; fine grained; well foliated; weakly folded. Mafic meta-volcanic. Low angle to core axis – undulating foliation – sub parallel. Strong amph alt – patchy mod to strong bio alt. 2-5% cross-cutting methane splays throughout – weak hem.	Gradational LC – intercalated 6W/4F bands over lower 1m.											
	E710616	235.7	236.7	0.005																		
	E710617	236.7	237.7	0.017																		
	E710618	237.7	238.7	0.019																		
	E710619	238.7	239.7	0.006																		
	E710621	239.7	240.7	0.005																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E710621	239.7	240.7	0.005	234.7	244.7	2	DG	FOL	Dark green-black; fine grained; well foliated; weakly folded. Mafic meta-volcanic. Low angle to core axis – undulating foliation – sub parallel. Strong amph alt – patchy mod to strong bio alt. 2-5% cross-cutting methane splays throughout – weak hem.	Gradational LC – intercalated 6W/4F bands over lower 1m.											
	E710622	240.7	241.7	0.005																		
	E710623	241.7	242.7	0.005																		
	E710624	242.7	243.7	0.005																		
	E710625	243.7	244.7	0.005																		
24	E710626	244.7	245.7	0.005	244.7	251.3	4F	P	POR BL	Pink-brown; fine to med grained; well foliated; well-developed 4F. Weak high strain zones. Biotite locally recrystallized – coarser grained. Weakly folded. Weak green micaceous alt from 246.6-249m. ~1% thin carb veinlets. Trace to 1% wispy po. Sharp LC.												
	E710627	245.7	246.7	0.045																		
	E710628	246.7	247.7	0.04																		
	E710629	247.7	248.7	0.03																		
	E710631	248.7	249.7	0.011																		
24	E710632	249.7	250.7	0.005	251.3	252.5	6W	GG	FOL	Brown-green; fine grained; well foliated. Meta-sediment – weakly garnet bearing over lower 50cm 2-5%. Moderate patchy biotite and amph alt. Weakly folded. Trace fine grained po. Sharp LC.												
	E710633	250.7	251.3	0.005																		
	E710634	251.3	251.9	0.037																		
	E710635	251.9	252.5	0.012																		
	E710636	252.5	253	0.008																		
	E710637	253	254	0.005	252.5	257	4F	P	POR BL	Pink-brown/black; fine grained; well foliated; well-developed 4F – minor intercalated 4-6cm bands of 6: 20-25% fine to med grained grts – rarely form loose bands. <1% sporadic carb veins. Trace stringers of cp-po. Sharp LC												
	E710638	254	255	0.005																		
	E710639	255	256	0.005																		
	E710641	256	257	0.006																		
	E710642	257	257.9	0.026																		
	E710643	257.9	258.5	0.005	257.9	274.3	4F	P	POR BL	Green-grey/black; fine grained; well foliated. Garnet bearing Meta-sediment. Patchy mod to strong alternating bands of bio-amph alt – 2-3% med grained grts predominately within bio bands. No visible min.	Diffuse LC – strong fluid induced alteration at contact.											
	E710644	258.5	259.5	0.006																		
24	E710645	259.5	260.5	0.005																		
	E710646	260.5	261.5	0.005																		
	E710647	261.5	262.5	0.005																		
	E710648	262.5	263.5	0.005																		
	E710649	263.5	264.5	0.005																		
24	E710651	264.5	265.5	0.005																		
	E710652	265.5	266.5	0.005																		
	E710653	266.5	267.5	0.005																		
	E710654	267.5	268.5	0.005																		
	E710655	268.5	269.5	0.008																		
27	E710656	269.5	270.5	0.018	274.3	310.1	2	DG	FOL	Pink-brown/black; fine grained; well foliated; weak to moderately strained. Well-developed 4F – upper 50cm strongly amph altered and qtz veined. Locally staurolite altered 10-15% fine to med grained. 1-3% wispy and blebby po-cp – 1-10cm zones.	Gradational LC – intercalated bands of 4F-6W-2 from 273.1m to LC.											
	E710657	270.5	271.5	0.1																		
	E710658	271.5	272.5	0.134																		
	E710659	272.5	273.5	0.12																		
	E710661	273.5	274.3	0.017																		
	E710662	274.3	275	0.009																		
24	E710663	275	276	0.006																		
	E710664	276	277	0.028																		
	E710665	277	278	0.007																		
	E710666	278	279	0.042																		
	E710667	279	280	0.007																		
24	E710668	280	281	0.014																		

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E710668	280	281	0.014	274.3	310.1	2	DG	FOL	Dark green; fine grained; weak to moderately foliated; Mafic meta-volcanic. Strong amphib-silica alteration. Weak bio alt - spotty texture - intensified around qtz veins. 2-4% qtz veins - 1-2% thin carb veinlets. Trace fine grained po within qtz veins.	Weak high strain zones. Sharp LC											
	E710669	281	282	0.016																		
	E710671	282	283	0.1																		
	E710672	283	284	0.021																		
	E710673	284	285	0.072																		
285	E710674	285	286	0.01																		
	E710675	286	287	0.007																		
	E710676	287	288	0.012																		
	E710677	288	289	0.008																		
	E710678	289	290	0.012																		
290	E710679	290	291	1.04																		
	E710681	291	292	0.042																		
	E710682	292	293	1.03																		
	E710683	293	294	0.011																		
295	E710684	294	295	0.005																		
	E710685	295	296	0.124																		
	E710686	296	297	0.013																		
	E710687	297	298	0.749																		
	E710688	298	299	0.063																		
300	E710689	299	300	0.078																		
	E710691	300	301	0.039																		
	E710692	301	302	0.018																		
	E710693	302	303	0.057																		
	E710694	303	304	0.39																		
305	E710695	304	305	0.053																		
	E710696	305	306	0.014																		
	E710697	306	307	0.02																		
	E710698	307	308	0.017																		
	E710699	308	309	0.011																		
	E710701	309	309.5	0.061																		
310	E710702	309.5	310.1	0.834																		
	E710703	310.1	311	0.023	310.1	326.2	4F	P	FOL	Pink-brown; f.g.; well foliated - weakly banded. Well-developed 4F - 10-15 intercalated bands of 6W and 4E; 5-25% fine to med grained grts - form loose bands; 3-5% smoky qtz veins. 1-2% fine grained wispy and diss po - concentrated to 4E and qtz veins.	Weak fine grained staurolite. Sharp LC.											
	E710704	311	312	0.061																		
	E710705	312	313	0.189																		
	E710706	313	314	0.673																		
315	E710707	314	315	1.02																		
	E710708	315	316	0.042																		
	E710709	316	317	0.348																		
	E710711	317	318	2.75																		
	E710712	318	319	0.032																		
	E710713	319	320	0.518																		
320	E710714	320	321	0.094																		

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E710714	320	321	0.094	310.1	326.2	4F	P	FOL	Pink-brown; f.g.; well foliated – weakly banded. Well-developed 4F – 10-15 intercalated bands of 6W and 4E. 5-25% fine to med grained grts – form loose bands. 3-5% smoky qtz veins. 1-2% fine grained wispy and diss po – concentrated to 4E and qtz veins.	Weak fine grained staurolite. Sharp LC.											
	E710715	321	322	0.469																		
	E710716	322	323	0.038																		
	E710717	323	324	0.019																		
	E710718	324	325	0.082																		
	E710719	325	325.7	0.354																		
	E710721	325.7	326.2	0.014	326.2	331.5	4E	GG	RG	Green-grey/brown; fine grained; well foliated – weakly banded. Poorly developed 4E – 20-30% intercalated bands of 6W-4F. 4E contains 20-30% relic quartz clasts. Margins are moderately strained. ~1% thin carb veinlets. ~1% wispy fine grained po. Sharp LC.												
	E710722	326.2	327	0.006																		
	E710723	327	328	0.007																		
	E710724	328	329	0.007																		
	E710725	329	330	0.008																		
	E710726	330	331	0.005																		
	E710727	331	331.5	0.005	331.5	345	4F	P	POR BL	Pink-brown-green; fine grained; moderately foliated and banded – locally folded. Heterogeneous 4F – 10-15% intercalated bands of 4E/4EA – 1-10cm - increasing downhole. 10-15% intercalated bands of 6W. Trace to 1% fine grained po within 4E/4EA bands.	3-5% irregular qtz veins. Diffuse LC											
	E739398	331.5	332	0.006																		
	E710728	332	333	0.011																		
	E710729	333	334	0.013																		
	E710731	334	335	0.007																		
	E710732	335	336	0.007																		
	E710733	336	337	0.016	335	346	4EA	LG	BA	Light green-pink-brown; fine grained; well banded – mod to strongly folded. Poorly formed 4EA – possibly a repeated fold of a thin 4EA band as seen in unit above. 5-7% irregular qtz veins. 20-25% 4F bands. Trace fine grained po. Gradational LC.												
	E710734	337	338	0.009																		
	E710735	338	339	0.011																		
	E710736	339	340	0.034																		
	E710737	340	341	0.015																		
	E710738	341	342	0.013																		
	E710739	342	343	0.123	346	348.2	4F	P	POR BL	Pink-brown-green; f.g.; well foliated – weakly banded. 4F – ~5% 4E altered bands. Transitional unit – grt porphyroblasts change from coarse to fine grained and decrease in content downhole. 3-4% irregular qtz veins. 1-2% wispy fine grained po. Sharp LC												
	E710741	343	344	0.124																		
	E710742	344	345	0.023																		
	E710743	345	346	0.029																		
	E710744	346	347	0.01																		
	E710745	347	347.6	0.007																		
	E710746	347.6	348.2	0.013	348.2	349.5	2H	DG	FOL	Dark green; fine grained; very well foliated; mafic volcanic tuff. ~1% qtz-carb veinlets. Intense amph alt. Trace cp in veins. Weakly magnetic. Sharp LC – appearance of lapilli.												
	E710747	348.2	349	0.014																		
	E710748	349	349.5	0.018																		
	E710749	349.5	350.5	0.008																		
	E710751	350.5	351.5	0.005																		
	E710752	351.5	352.5	0.01																		
	E710753	352.5	353.5	0.01	349.5	366.7	2H	GG	RG	Dark green-white-grey; fine grained; well foliated – moderately strained. Mafic meta-volcanic lapilli tuff. 10-25% lapilli – locally clast supported zones 20-50cm thick. Lapilli replaced with qtz 2-40mm. Strong amph alt – patchy bio alt.	Rare qtz and carb veins. Relic laminations within lapilli. Non-mag No visible min. Trace fine grained po. Gradational LC.											
	E710754	353.5	354.5	0.009																		
	E710755	354.5	355.5	0.006																		
	E711745	355.5	356.5	0.009																		
	E711746	356.5	357.5	0.009																		
	E711747	357.5	358.5	0.005																		
	E711748	358.5	359.5	0.005	360.5	360.5																
	E711749	359.5	360.5	0.005																		

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments		
400	E711799	400.3	400.6	0.01	400.3	400.6	4E	DG	POR	Dark green-pink; fine grained; 4E – 15-20% weakly deformed qtz clasts – angular to sub-rounded. Clasts vary from 1-20mm. 20-25% anhedral m.g. grts. 2-3% fine grained diss po. Diffuse LC.	multiple specks of VG at 401.8-402m. 1-2% v.f.g diss po. Sharp LC												
	E711801	400.6	401	0.006				BL															
	E711802	401	401.5	0.017																			
	E711803	401.5	402.2	0.056	400.6	405.4	4F	B	POR														
	E711804	402.2	402.5	0.018																			
	E711805	402.5	403.5	0.019																			
	E711806	403.5	404.5	0.021																			
	E711807	404.5	405.4	5.41																			
	E711808	405.4	406	0.043																			
	E711809	406	407	0.043																			
	E711811	407	408	0.968	405.4	408.8	4EF	DG	MO			Green-brown-pink; fine grained; moderately strained; 4EF – intercalated quartz clastic 4E and 4F (70:30). 20-30% Quartz clasts - moderately attenuated and rounded – dark green amph groundmass – 5-10% grts – patchy mod grunerite alt.	1-2% blebby po. Gradational LC.										
	E711812	408	408.8	0.169																			
	E711813	408.8	409.8	0.17																			
410	E711814	409.8	410.8	0.203																			
	E711815	410.8	411.6	0.015	408.8	414.3	4F	P	POR	Green-brown-pink; fine grained; moderately foliated; weakly banded. 4FE – heterogeneous 4F – patchy strong grunerite – 5-10% dark green amph bands – porphyroblastic texture preserved. Banding is highly variable – 10 to 90 degrees to CA.	3-7% fine grained diss po-py. Sharp LC.												
	E711816	411.6	412.6	0.304																			
	E711817	412.6	413.6	0.022																			
	E711818	413.6	414.3	0.021																			
	E711819	414.3	415	0.067																			
415	E711821	415	416	0.013																			
	E711822	416	417	0.03																			
	E711823	417	418	0.238																			
	E711824	418	419	0.053																			
420	E711825	419	420	0.007																			
	E711826	420	421	0.019																			
	E711827	421	422	0.015																			
	E711828	422	423	0.011																			
	E711829	423	424	0.014																			
425	E711831	424	425	0.071																			
	E711832	425	426	0.017																			
	E711833	426	427	0.021																			
	E711834	427	428	0.013	414.3	496.9	2	DG	FOL	Dark green-black; fine grained; well foliated. Mafic meta-volcanic. Upper 70cm strongly sheared and carb altered – SPUR? 1-2% wispy po. Strong amph alt. Strong pervasive silica alt. Moderate widely spaced high strain zones -	patchy weak biotite alt – intensified in high strain zones – spotty texture. Strong carb veining in HZ. 3-5% narrow smoky qtz veins. Trace blebby po. Sharp LC.												
	E711835	428	429	0.271																			
	E711836	429	430	0.016																			
430	E711837	430	431	0.024																			
	E711838	431	432	0.454																			
	E711839	432	433	0.315																			
	E711841	433	434	0.014																			
	E711842	434	435	0.013																			
435	E711843	435	436	0.015																			
	E711844	436	437	0.007																			
	E711845	437	438	0.015																			
	E711846	438	439	0.016																			
440	E711847	439	440	0.015																			
	E711848	440	441	0.011																			

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-038**

Project: **WEL**

Mine Grid Easting: 8124.55

Planned Depth(m): 426

Drill Start Date: 3/5/2016

Mine Grid Northing: 11549.654

Actual Depth (m): 438

Drill End Date: 3/10/2016

Elevation: 5298.475

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions: Geo must call EOH.

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	90	-47.5	MAXI
3	90.2	-47	MAXI
6	90.2	-46.9	MAXI
9	90.3	-46.9	MAXI
12	90.3	-46.9	MAXI
15	90.3	-46.9	MAXI
18	90.3	-46.9	MAXI
21	90.3	-46.8	MAXI
24	90.3	-46.8	MAXI
27	90.3	-46.8	MAXI
30	90.3	-46.8	MAXI
33	90.3	-46.8	MAXI
36	90.3	-46.7	MAXI
39	90.3	-46.6	MAXI
42	90.3	-46.6	MAXI
45	90.4	-46.6	MAXI
48	90.4	-46.5	MAXI
51	90.5	-46.6	MAXI
54	90.5	-46.5	MAXI
57	90.5	-46.5	MAXI
60	90.6	-46.5	MAXI
63	90.6	-46.4	MAXI
66	90.6	-46.4	MAXI
69	90.6	-46.4	MAXI
72	90.6	-46.4	MAXI
75	90.6	-46.4	MAXI
78	90.7	-46.3	MAXI
81	90.7	-46.2	MAXI
84	90.6	-46.2	MAXI
87	90.7	-46.1	MAXI
90	90.7	-46.1	MAXI
93	90.7	-46	MAXI
96	90.7	-46	MAXI
99	90.8	-45.9	MAXI
102	90.7	-45.9	MAXI
105	90.8	-45.8	MAXI
108	90.8	-45.8	MAXI
111	90.8	-45.7	MAXI
114	90.8	-45.7	MAXI
117	90.8	-45.6	MAXI
120	90.8	-45.6	MAXI
123	90.8	-45.5	MAXI
126	90.8	-45.4	MAXI
129	90.8	-45.4	MAXI
132	90.9	-45.4	MAXI
135	90.9	-45.3	MAXI
138	90.9	-45.2	MAXI
141	90.9	-45.2	MAXI
144	90.9	-45.2	MAXI
147	90.9	-45.1	MAXI
150	90.9	-45.1	MAXI
153	91	-45	MAXI
156	91	-45	MAXI
159	91	-45	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-038**

Project: **WEL**

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Mine Grid Northing: 11549.654

Actual Depth (m): 438

Drill End Date: 3/10/2016

Elevation: 5298.475

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions: Geo must call EOH.

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	91.1	-44.9	MAXI
165	91.1	-44.8	MAXI
168	91.1	-44.7	MAXI
171	91.2	-44.7	MAXI
174	91.2	-44.6	MAXI
177	91.2	-44.6	MAXI
180	91.2	-44.6	MAXI
183	91.3	-44.6	MAXI
186	91.3	-44.6	MAXI
189	91.3	-44.5	MAXI
192	91.4	-44.5	MAXI
195	91.4	-44.5	MAXI
198	91.4	-44.5	MAXI
201	91.5	-44.4	MAXI
204	91.5	-44.4	MAXI
207	91.6	-44.4	MAXI
210	91.5	-44.4	MAXI
213	91.6	-44.4	MAXI
216	91.6	-44.3	MAXI
219	91.6	-44.3	MAXI
222	91.6	-44.3	MAXI
225	91.6	-44.3	MAXI
228	91.7	-44.3	MAXI
231	91.7	-44.3	MAXI
234	91.7	-44.2	MAXI
237	91.7	-44.2	MAXI
240	91.7	-44.2	MAXI
243	91.8	-44.1	MAXI
246	91.8	-44.2	MAXI
249	91.8	-44.1	MAXI
252	91.8	-44.1	MAXI
255	91.9	-44.1	MAXI
258	91.9	-44.1	MAXI
261	91.9	-44.1	MAXI
264	91.9	-44.1	MAXI
267	91.9	-44	MAXI
270	91.9	-44.1	MAXI
273	92	-44.1	MAXI
276	92	-44	MAXI
279	92	-44	MAXI
282	92	-44	MAXI
285	92.1	-44	MAXI
288	92.1	-44	MAXI
291	92.1	-44	MAXI
294	92.1	-43.9	MAXI
297	92.1	-44	MAXI
300	92.1	-43.9	MAXI
303	92.1	-43.8	MAXI
306	92.2	-43.8	MAXI
309	92.1	-43.8	MAXI
312	92.2	-43.7	MAXI
315	92.2	-43.6	MAXI
318	92.2	-43.6	MAXI
321	92.2	-43.6	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-038**

Project: **WEL**

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Drill Start Date: 3/5/2016

Mine Grid Northing: 11549.654

Actual Depth (m): 438

Drill End Date: 3/10/2016

Elevation: 5298.475

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions: Geo must call EOH.

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	92.2	-43.6	MAXI
327	92.1	-43.6	MAXI
330	92.2	-43.6	MAXI
333	92.2	-43.5	MAXI
336	92.2	-43.4	MAXI
339	92.2	-43.4	MAXI
342	92.2	-43.4	MAXI
345	92.3	-43.3	MAXI
348	92.2	-43.3	MAXI
351	92.2	-43.3	MAXI
354	92.2	-43.2	MAXI
357	92.2	-43.2	MAXI
360	92.2	-43.2	MAXI
363	92.2	-43.1	MAXI
366	92.2	-43	MAXI
369	92.2	-43.1	MAXI
372	92.1	-43	MAXI
375	92.1	-42.9	MAXI
378	92.2	-42.8	MAXI
381	92.2	-42.8	MAXI
384	92.2	-42.6	MAXI
387	92.2	-42.6	MAXI
390	92.2	-42.6	MAXI
393	92.2	-42.6	MAXI
396	92.2	-42.5	MAXI
399	92.2	-42.5	MAXI
402	92.2	-42.5	MAXI
405	92.2	-42.5	MAXI
408	92.2	-42.3	MAXI
411	92.2	-42.4	MAXI
414	92.2	-42.3	MAXI
417	92.3	-42.2	MAXI
420	92.26	-42.19	MAXI
423	92.27	-42.14	MAXI
426	92.28	-42.09	MAXI
429	92.29	-42.04	MAXI
432	92.3	-41.99	MAXI
435	92.31	-41.94	MAXI
438	92.32	-41.89	MAXI

16-WEL-038

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT											
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments			
205	199.6	212.7	4			0.5				2									200	200.1	75	MOD	S1																
210						0.5				1									210	210.1	80	MOD	S1																
215	212.7	214.8				1				3	213	215.2	QZ	20	m	S	50	within SZ						213.3	213.4	30	MOD	FD											
220						1				4									220	220.1	60	MOD	S1																
230	214.8	300.7	2																230	230.1	50	MOD	S1																
235											233.7	235.5	QZ	15	m	S		smokey qtz																					

ranges from 50-85

16-WEL-038

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E724496	40	41	0.072	7.5	44.4	2	DG	FOL	Dark green, fg, well foliated, non-magnetic, mafic volcanic. Mod patchy bio alteration. Mod-strong patchy green amph in first 15m of unit. Trace-1% fg wisps PO locally throughout. Small HZ interval with 1.5% PO mid-unit. 5% qtz crb veinlets throughout.	Diffuse LC with 4F.											
	E724497	41	42	0.022																		
	E724498	42	43	0.105																		
	E724499	43	44	0.042																		
45	E724501	44	44.4	0.026	44.4	59.3	4F	B	POR BL	Dark brown-maroon, fg-mg, weakly foliated, non mag, well developed 4F. Unit varies considerably, some intervals with small 1mm grnts with gradational changes to lg 2-8mm grnts within lg biotite crystals, and back again. FLT at UC.	Trace-1% PO and CP locally. 2% qtz crb veinlets.											
	E724502	44.4	45	0.006																		
	E724503	45	46	0.005																		
	E724504	46	47	0.008																		
	E724505	47	48	0.025																		
	E724506	48	49	0.015																		
	E724507	49	50	0.027																		
50	E724508	50	51	0.026																		
	E724509	51	52	0.005																		
	E724511	52	53	0.005																		
	E724512	53	54	0.013																		
	E724513	54	55	0.005																		
	E724514	55	56	0.017																		
	E724515	56	57	0.012																		
	E724516	57	58	0.01																		
	E724517	58	58.6	0.005																		
	E724518	58.6	59.3	0.008																		
	E724519	59.3	60	0.065	59.3	197.5	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Moderate patchy bio alt throughout, weak patchy crb alt. Multiple small HZ with increased qtz-crb veining. Trace-1% Po locally throughout. 5% qtz crb veinlets throughout.	HZ with qtz veinlets from 144.1-149m with 2-4% wispy PO and one speck of VG. Large intervals with intense silica and bio alt in lower half of unit, moderately strained. Gradational LC with 6.											
60	E724521	60	61	0.014																		
	E724522	61	62	0.02																		
	E724523	62	63	0.032																		
	E724524	63	64	0.027																		
	E724525	64	65	0.167																		
	E724526	65	66	0.007																		
	E724527	66	67	0.037																		
	E724528	67	68	0.013																		
	E724529	68	69	0.009																		
70	E724531	69	70	0.008																		
	E724532	70	71	0.011																		
	E724533	71	71.4	0.016																		
	E724534	71.4	72.4	0.029																		
	E724535	72.4	73.4	0.024																		
	E724536	73.4	74	0.03																		
	E724537	74	75	0.012																		
74	E724538	75	76	0.009																		
	E724539	76	77	0.007																		
	E724541	77	78	2.65																		
	E724542	78	79	0.082																		
	E724543	79	80	0.058																		
	E724544	80	81	0.012																		

16-WEL-038

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E724544	80	81	0.012	59.3	197.5	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Moderate patchy bio alt throughout, weak patchy crb alt. Multiple small HZ with increased qtz-crb veining. Trace-1% Po locally throughout. 5% qtz crb veinlets throughout.	HZ with qtz veinlets from 144.1-149m with 2-4% wispy PO and one speck of VG. Large intervals with intense silica and bio alt in lower half of unit, moderately strained. Gradational LC with 6.										
	E724545	81	81.6	0.012																	
	E724546	81.6	82.6	0.063																	
	E724547	82.6	83.6	0.926																	
	E724548	83.6	84.1	0.026																	
	E724549	84.1	85	0.034																	
85	E724551	85	86	0.064																	
	E724552	86	87	0.01																	
	E724553	87	88	0.024																	
	E724554	88	89	0.015																	
	E724555	89	90	0.02																	
90	E724556	90	91	2.54																	
	E724557	91	92	0.009																	
	E724558	92	93	0.016																	
	E724559	93	94	0.013																	
95	E724561	94	95	0.005																	
	E724562	95	96	0.008																	
	E724563	96	97	0.009																	
	E724564	97	98	0.019																	
	E724565	98	99	0.011																	
100	E724566	99	100	0.011																	
	E724567	100	101	0.005																	
	E724568	101	102	0.005																	
	E724569	102	103	0.009																	
	E724571	103	104	0.012																	
	E724572	104	105	0.01																	
105	E724573	105	106	0.007																	
	E724574	106	107	0.013																	
	E724575	107	108	0.028																	
	E724576	108	109	0.098																	
110	E724577	109	110	0.668																	
	E724578	110	111	0.053																	
	E724579	111	112	0.276																	
	E724581	112	113	0.174																	
	E724582	113	114	0.006																	
	E724583	114	115	0.006																	
115	E724584	115	116	0.005																	
	E724585	116	117	0.005																	
	E724586	117	118	0.005																	
	E724587	118	119	0.018																	
	E724588	119	120	0.007																	
	E724589	120	121	0.014																	

16-WEL-038

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E724683	200	201	0.012	199.6	212.7	4	B	POR BL	Brown-maroon, fg-mg, weakly foliated, banded, non mag, mod developed 4F. 1-3mm grnts forming bands within fg bio matrix. 5% qtz crb veinlets throughout. 1-2% wispy/threads PO locally, in areas with increased strain, small 2-6cm intervals.	Intense Gouge towards LC. Gradational LC with 6.											
	E724684	201	202	0.018																		
	E724685	202	203	0.018																		
	E724686	203	204	0.012																		
	E724687	204	205	0.012																		
	E724688	205	206	0.015																		
	E724689	206	207	0.014																		
	E724691	207	208	0.012																		
	E724692	208	209	0.013																		
	E724693	209	210	0.013																		
	E724694	210	211	0.016	212.7	214.8	B	FOL	Brown-maroon, fg, foliated, sheared, non mag, meta sediment, 8% 1-3mm grnts at UC decreasing downhole. Intensely sheared throughout with 15% qtz veining. 3% wispy PO/CP. Diffuse/sheared LC with 2.													
	E724695	211	211.6	0.021																		
	E724696	211.6	212.3	0.084																		
	E724697	212.3	212.7	0.066																		
	E724698	212.7	213.4	0.543																		
	E724699	213.4	214.2	0.046																		
	E724701	214.2	214.8	0.078																		
	E724702	214.8	215.2	0.433																		
	E724703	215.2	216	0.235																		
	E724704	216	216.8	0.134																		
	E724705	216.8	217.6	0.962	214.8	300.7	2	DG FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Mod-strong patchy bio and green amph. SZ at UC and mid unit with up to 40% qtz veining. Intervals with 4-5% fg wispy PO locally in first 5m of unit.	Intervals with increased qtz veining, up to 20% 2-20cm in size, mainly smoky qtz, trace-4% fg wispy PO with VG at 279.6m. Sheared LC with 6.												
	E724706	217.6	218.3	0.606																		
	E724707	218.3	219	0.053																		
	E724708	219	220	0.127																		
	E724709	220	221	0.452																		
	E724711	221	222	0.035																		
	E724712	222	223	0.039																		
	E724713	223	224	0.024																		
	E724714	224	225	0.024																		
	E724715	225	226	0.009																		
	E724716	226	227	0.022																		
	E724717	227	228	0.012																		
	E724718	228	229	0.169																		
	E724719	229	230	0.012																		
	E724721	230	231	0.011																		
	E724722	231	232	0.014																		
	E724723	232	233	0.119																		
	E724724	233	233.7	0.078																		
	E724725	233.7	234.6	1.18																		
	E724726	234.6	235.5	0.347																		
	E724727	235.5	236	0.109																		
	E724728	236	237	0.14																		
	E724729	237	238	0.106																		
	E724731	238	239	1.14																		
	E724732	239	240	0.045																		
	E724733	240	241	0.031																		

16-WEL-038

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E724879	360	361	0.005	350.6	366.7	4FE	B	POR BL	Brown-maroon-dark green, fg-mg, foliated/banded, non mag, mod developed 4FE. Alternating 3-15cm bands/intervals of bio/grnts and green amph/grnts. Up to 3% diss blebs CP, fg PO, locally mid-unit, mainly within 4E intervals. Folding also mid-unit.	Last 3m of unit mainly 4F, minimal 4E. Gradational LC with 6.											
	E724881	361	362	0.006																		
	E724882	362	363	0.005																		
	E724883	363	364	0.01																		
	E724884	364	365	0.005																		
345	E724885	365	366	0.014	366.7	367.5	[Redacted]	B	FOL	Brown-maroon, fg, well foliated, non mag, meta sed. 10% intercalated mafic volcanic (towards LC). 10% (2-4mm) grnts scattered in patches throughout. HZ throughout, 5% qtz crb veining. Minimal folding. Diffuse LC with 2.												
	E724886	366	366.7	0.022																		
	E724887	366.7	367.5	0.015																		
	E724888	367.5	368.4	0.053																		
	E724889	368.4	369	0.022																		
310	E724891	369	370	0.009	368.4	394.7	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Mod patchy bio and green amph throughout. 5% qtz crb throughout. Trace-1% fg PO locally.												
	E724892	370	371	0.005																		
	E724893	371	372	0.005																		
	E724894	372	373	0.009																		
	E724895	373	374	0.028																		
325	E724896	374	375	0.015																		
	E724897	375	376	0.009																		
	E724898	376	377	0.011																		
	E724899	377	378	0.031																		
	E724901	378	379	0.231																		
340	E724902	379	380	0.012																		
	E724903	380	381	0.011																		
	E724904	381	382	0.026																		
	E724905	382	383	0.014																		
	E724906	383	384	0.014																		
345	E724907	384	385	0.049																		
	E724908	385	386	0.019																		
	E724909	386	387	0.015																		
	E724911	387	388	0.011																		
	E724912	388	389	0.014																		
	E724913	389	390	0.007																		
340	E724914	390	391	0.005																		
	E724915	391	392	0.005																		
	E724916	392	393	0.037																		
	E724917	393	394	0.029																		
	E724918	394	394.7	0.027																		
345	E724919	394.7	395.6	0.005	394.7	395.6	[Redacted]	B	FOL	Brown, fg, well foliated, non mag, meta sed. HZ throughout. 10% qtz-crb veining. 5% (2-3mm) grnts towards LC. Trace-1% fg PO throughout. Diffuse LC with 4F.												
	E724921	395.6	396	0.005																		
	E724922	396	397	0.005	395.6	398.8	4F	B	POR BL	Brown-maroon, mg-fg, well foliated, banded, porphyroblastic, non mag, mod developed 4F, 8% patchy/banded grun. 5% qtz crb veining throughout. 1-2% fg PO throughout. Sheared/gradational LC with 2.												
	E724923	397	398	0.006																		
	E724924	398	398.8	0.005																		
	E724925	398.8	399.4	0.005																		
	E724926	399.4	400	0.005	398.8	414.2	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Mod patchy bio and green amph throughout. 5% qtz crb throughout. Trace-1% fg PO locally. Sharp LC with 4EF.												
40	E724927	400	401	0.005																		

16-WEL-038

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION																								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments																
400	E724927	400	401	0.005	398.8	414.2	2	DG	FOL	Dark green, fg, well foliated, non mag, mafic volcanic. Mod patchy bio and green amph throughout. 5% qtz crb throughout. Trace-1% fg PO locally. Sharp LC with 4EF.																											
400	E724928	401	402	0.005																																	
400	E724929	402	403	0.005																																	
400	E724931	403	404	0.005																																	
400	E724932	404	405	0.005																																	
400	E724933	405	406	0.005																																	
400	E724934	406	407	0.005																																	
400	E724935	407	408	0.005																																	
400	E724936	408	409	0.006																																	
400	E724937	409	410	0.005																																	
400	E724938	410	411	0.005																																	
400	E724939	411	412	0.005																																	
400	E724941	412	413	0.007																																	
400	E724942	413	413.6	0.005	414.2	414.9	4EF QTZ VN	DG W	BA DI	Dark green-brown-maroon, fg-mg, foliated, strained, non mag, well developed 4EF. Alternating 5-20cm intervals green amph-grmts and bio-grmts, grmts have been strained/elongated. Trace-1% fg PO. Sharp LC with Qtz Vn/3F. 70% brecciated qtz vn with 3F, with up to 10% PO/PY/CP throughout. Sharp LC with 4FE.																											
400	E724943	413.6	414.2	0.005																																	
400	E724944	414.2	414.9	0.009																																	
400	E724945	414.9	415.3	0.017																																	
400	E724946	415.3	415.7	0.013																																	
400	E724947	415.7	416.7	0.035																																	
400	E724948	416.7	417.7	0.039																																	
400	E724949	417.7	418	0.005																																	
400	E724951	418	419	0.005																																	
400	E724952	419	420	0.006																																	
417.7																					417.7	438	3F	G	FOL	Light-dark grey, fg, well foliated to banded, non mag, felsic tuff. 3-5% fg white lapilli throughout. Mod patchy/banded sericite alt. 5% qtz crb veining throughout. Trace-2% PO.	EOH										
430																																					
435																																					
440																																					

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-039**

Project: **WEL**

Mine Grid Easting: 8178.202

Planned Depth(m): 369

Drill Start Date: 3/11/2016

Mine Grid Northing: 11549.424

Actual Depth (m): 369

Drill End Date: 3/15/2016

Elevation: 5297.457

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	89.6	-50.2	MAXI
3	89.6	-50.3	MAXI
6	89.6	-50.5	MAXI
9	89.6	-50.7	MAXI
12	89.7	-50.6	MAXI
15	89.6	-50.6	MAXI
18	89.6	-50.5	MAXI
21	89.5	-50.5	MAXI
24	89.4	-50.4	MAXI
27	89.3	-50.5	MAXI
30	89.3	-50.4	MAXI
33	89.3	-50.3	MAXI
36	89.4	-50.3	MAXI
39	89.5	-50.2	MAXI
42	89.5	-50.1	MAXI
45	89.6	-50.1	MAXI
48	89.7	-50.1	MAXI
51	89.7	-50	MAXI
54	89.8	-50	MAXI
57	89.9	-50	MAXI
60	89.9	-50	MAXI
63	90.1	-50	MAXI
66	90.1	-50	MAXI
69	90.2	-50	MAXI
72	90.3	-50	MAXI
75	90.4	-50	MAXI
78	90.5	-50.1	MAXI
81	90.5	-49.9	MAXI
84	90.5	-49.8	MAXI
87	90.6	-49.8	MAXI
90	90.6	-49.7	MAXI
93	90.7	-49.7	MAXI
96	90.7	-49.6	MAXI
99	90.7	-49.5	MAXI
102	90.8	-49.4	MAXI
105	90.9	-49.4	MAXI
108	91	-49.3	MAXI
111	91.1	-49.3	MAXI
114	91.1	-49.3	MAXI
117	91.2	-49.3	MAXI
120	91.3	-49.2	MAXI
123	91.4	-49.2	MAXI
126	91.5	-49.1	MAXI
129	91.6	-49.1	MAXI
132	91.7	-49.1	MAXI
135	91.8	-49	MAXI
138	91.9	-49	MAXI
141	92	-49	MAXI
144	92.1	-48.9	MAXI
147	92.1	-48.9	MAXI
150	92.1	-48.8	MAXI
153	92.2	-48.9	MAXI
156	92.3	-48.9	MAXI
159	92.3	-48.9	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-039**

Project: **WEL**

Mine Grid Easting: 8178.202

Planned Depth(m): 369

Drill Start Date: 3/11/2016

Mine Grid Northing: 11549.424

Actual Depth (m): 369

Drill End Date: 3/15/2016

Elevation: 5297.457

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	92.4	-48.9	MAXI
165	92.5	-48.9	MAXI
168	92.6	-48.7	MAXI
171	92.8	-48.5	MAXI
174	92.9	-48.4	MAXI
177	93.2	-48.3	MAXI
180	93.4	-48.3	MAXI
183	93.6	-48.2	MAXI
186	93.7	-48.2	MAXI
189	93.8	-48.1	MAXI
192	93.8	-48	MAXI
195	94	-47.9	MAXI
198	94	-47.8	MAXI
201	94.1	-47.7	MAXI
204	94.1	-47.5	MAXI
207	94.1	-47.3	MAXI
210	94.2	-47.2	MAXI
213	94.3	-47.1	MAXI
216	94.3	-46.9	MAXI
219	94.4	-46.9	MAXI
222	94.4	-46.8	MAXI
225	94.6	-46.8	MAXI
228	94.6	-46.7	MAXI
231	94.7	-46.7	MAXI
234	94.7	-46.6	MAXI
237	94.8	-46.5	MAXI
240	94.9	-46.5	MAXI
243	94.9	-46.5	MAXI
246	94.9	-46.6	MAXI
249	95	-46.4	MAXI
252	95.1	-46.3	MAXI
255	95.1	-46.3	MAXI
258	95.1	-46.2	MAXI
261	95.2	-46.2	MAXI
264	95.2	-46.1	MAXI
267	95.2	-46	MAXI
270	95.2	-46.1	MAXI
273	95.2	-46	MAXI
276	95.2	-45.9	MAXI
279	95.1	-45.5	MAXI
282	95.1	-45.7	MAXI
285	95.2	-45.7	MAXI
288	95.2	-45.6	MAXI
291	95.2	-45.5	MAXI
294	95.2	-45.4	MAXI
297	95.2	-45.2	MAXI
300	95.3	-45.1	MAXI
303	95.4	-45	MAXI
306	95.4	-44.8	MAXI
309	95.6	-44.7	MAXI
312	95.38	-44.78	MAXI
315	95.4	-44.69	MAXI
318	95.42	-44.61	MAXI
321	95.43	-44.52	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-039**

Project: **WEL**

Mine Grid Easting: 8178.202

Planned Depth(m): 369

Drill Start Date: 3/11/2016

Mine Grid Northing: 11549.424

Actual Depth (m): 369

Drill End Date: 3/15/2016

Elevation: 5297.457

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: GOOD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	95.45	-44.44	MAXI
327	95.46	-44.35	MAXI
330	95.48	-44.26	MAXI
333	95.49	-44.18	MAXI
336	95.51	-44.09	MAXI
339	95.53	-44.01	MAXI
342	95.54	-43.92	MAXI
345	95.56	-43.84	MAXI
348	95.57	-43.75	MAXI
351	95.59	-43.67	MAXI
354	95.61	-43.58	MAXI
357	95.62	-43.5	MAXI
360	95.64	-43.41	MAXI
363	95.65	-43.32	MAXI
366	95.67	-43.24	MAXI
369	95.68	-43.15	MAXI

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC						FOLD					FAULT											
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments				
151.9	168.1	4																																						
																			166	166.1	30	MOD	S0																	
169.5	169.8																		170.7	170.8	20	MOD	S1																	
170.8	170.9																																					possible small water fault		
174.5	175.5																																							
177.6	179																																						strong lateral fractures	
																			180.5	180.6	5	MOD	S1																	
																			182.2	182.3	5	MOD	S1																	
185.7	186																																							
188.1	189.2																																							
188.7	202.7	6W																																						

extremely fine grained PO abundantly disseminate throughout. 15% overall, up to 25% locally. typically medium to coarse blebs and irregular stringers. multiple occurrences of VG fine to medium grains along the selvages of qtz veins.

sub parallel to core axis flooding through a well mineralized shear zone and containing visible gold.

possible small water fault

strongly qtz veined, intensely mineralized, many occurrences of VG

16-WEL-039

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT							
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type
325	270	329	4																					321.9	322	80	MOD	ZF							
																								324.7	324.8	50	MOD	FD							
																		328	328.1	70	MOD	S1													
330																																			
	329	335.4	6W																																
335																		335.2	335.3	40	MOD	S1													
340	335.4	344.2	2															341	341.1	50	MOD	S1													
345	344.2	345.6	6W															345.5	345.6	45	MOD	S1													
	345.6	346.7	4																																
	346.7	348.3	2																																
	348.3	348.8	4																										347.9	348.6	55	MOD	HZ	strongly carbonate altered.	
350																																			
	348.8	355.6	2															352.5	352.6	45	MOD	S1													
355																																			
	355.6	360.1	4																																

16-WEL-039

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
5					0	10.5	CASING															
10	E725367	10.5	11.5	0.005	10.5	29	4F	B	POR BL	Porphyroblastic biotite garnet schist. Garnet porphyroblasts occur in locally variable abundances from 30-45%, are typically euhedral, and up to 1cm in diameter. There is moderate to strong staurolite alteration throughout the biotite groundmass.	characterized as distinct fine brown grains. The unit contains 1-10 opaque white quartz veins per meter ranging in width from 0.5-5cm. veins are strongly folded and boudinaged.											
	E725368	11.5	12.5	0.005																		
	E725369	12.5	13.5	0.005																		
	E725371	13.5	14.5	0.005																		
15	E725372	14.5	15.5	0.005																		
	E725373	15.5	16.5	0.005																		
	E725374	16.5	17.5	0.005																		
	E725375	17.5	18	0.006																		
	E725376	18	19	0.005																		
20	E725377	19	20	0.005																		
	E725378	20	21	0.005																		
	E725379	21	22	0.005																		
	E725381	22	23	0.005																		
	E725382	23	24	0.005																		
25	E725383	24	25	0.005																		
	E725384	25	26	0.005																		
	E725385	26	27	0.005																		
	E725386	27	28	0.226																		
	E725387	28	29	0.008																		
30	E725388	29	30	0.005	29	56.8	2	DG	FOL	Dark green, fine grained mafic metavolcanic. There is a strong foliation observed at a moderate degree to the core axis. 1-2 crystalline white qtz veinlets crosscut the unit per meter. Weakly to moderately biotite altered.	Weak silicification imparts a slight glassy facality on the core. Very rare fine sulphide grains.											
	E725389	30	31	0.005																		
	E725391	31	32	0.005																		
	E725392	32	33	0.005																		
	E725393	33	34	0.005																		
35	E725394	34	35	0.015																		
	E725395	35	36	0.011																		
	E725396	36	37	0.014																		
	E725397	37	38	0.012																		
	E725398	38	39	0.013																		
	E725399	39	40	0.014																		
	E716882	40	41	0.016																		

16-WEL-039

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E716882	40	41	0.016	29	56.8	2	DG	FOL	Dark green, fine grained mafic metavolcanic. There is a strong foliation observed at a moderate degree to the core axis. 1-2 crystalline white Qtz veinlets crosscut the unit per meter. Weakly to moderately biotite altered.	Weak silicification imparts a slight glassy facillity on the core. Very rare fine sulphide grains.										
	E716883	41	42	0.01																	
	E716884	42	43	0.014																	
	E716885	43	44	0.015																	
	E716886	44	45	0.009																	
44	E716887	45	46	0.007																	
	E716888	46	47	0.005																	
	E716889	47	48	0.005																	
	E716891	48	49	0.009																	
	E716892	49	50	0.008																	
	E716893	50	51	0.005																	
	E716894	51	52	0.005																	
	E716895	52	53	0.005																	
	E716896	53	54	0.008																	
	E716897	54	55	0.005																	
	E716898	55	56	0.008																	
	E716899	56	56.8	0.005																	
	E721876	56.8	57.6	0.008	56.8	63.5		B	FOL	Melanocratic brown-green clastic metasedimentary unit. Abundant <2cm carbonate veins and veinlets, 5-10 per meter. Rare garnet porphyroblasts. Strongly foliated.											
	E721877	57.6	58.4	0.021																	
	E721878	58.4	59.2	0.239																	
	E721879	59.2	60	0.128																	
60	E721881	60	61	0.499																	
	E721882	61	62	0.095																	
	E721883	62	63	0.006																	
	E721884	63	63.5	0.007																	
	E721885	63.5	64.5	0.006																	
	E721886	64.5	65.5	0.018	63.5	74.2	4F	B	POR	Porphyroblastic biotite garnet schist. Approx 25% of the unit features a groundmass composed of dark green amphibole however the typical 4F textures remain. PO mineralization occurs very rarely as fine stringers. Weak staurolite alteration intermittently	Garnets occur as medium to coarse subhedral to euhedral grains as well as amorphous agglomerates with interstitial grunerite. 1-5 opaque white <2cm wide quartz veins per meter; veins are strongly folded and boudinaged.										
	E721887	65.5	66.5	0.009																	
	E721888	66.5	67.5	0.203																	
	E721889	67.5	68.5	0.267																	
	E721891	68.5	69.5	0.028																	
70	E721892	69.5	70.5	0.12																	
	E721893	70.5	71.5	0.135																	
	E721894	71.5	72.5	0.045																	
	E721895	72.5	73.5	0.008																	
	E721896	73.5	74.2	0.018																	
	E721897	74.2	75	0.095																	
	E721898	75	76	0.044																	
	E721899	76	77	0.169	74.2	78.5		B	DI	Melanocratic brown-green clastic metasedimentary unit. Abundant <2cm carbonate veins and veinlets, 5-10 per meter. 5% garnet porphyroblasts below 76.5m. the fabric is strongly folded.											
	E725956	77	78	0.05																	
	E725957	78	78.5	0.047																	
	E725958	78.5	79	0.063																	
	E725959	79	80	0.009	78.5	83	4F	B	POR BL	Porphyroblastic biotite garnet schist. Approx. 15% of the unit features a groundmass composed of dark green amphibole however the typical 4F textures remain.	Garnets occur as medium to coarse subhedral to euhedral grains as well as amorphous agglomerates with interstitial grunerite. 1-5 opaque white <2cm wide quartz veins per meter										
	E725961	80	81	0.025																	

16-WEL-039

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION											
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments			
	E725961	80	81	0.025	78.5	83	4F	B	POR BL	Porphyroblastic biotite garnet schist. Approx. 15% of the unit features a groundmass composed of dark green amphibole however the typical 4F textures remain.	Garnets occur as medium to coarse subhedral to euhedral grains as well as amorphous agglomerates with interstitial grunerite. 1-5 opaque white <2cm wide quartz veins per meter.													
	E725962	81	82	0.013																				
	E725963	82	83	0.005																				
	E725964	83	84	0.006	83	84.7		DG	FOL	Melanocratic brown fine grained strongly foliated clastic metasediment. Strongly folded throughout. Rare elongate sulphide grains. 1-2 carbonate veinlets per meter.														
	E725965	84	84.7	0.045																				
85	E725966	84.7	85.6	0.1	84.7	151.9	2	DG	FOL	Fine grained dark green mafic metavolcanic unit. Strongly biotite altered and weakly to moderately silicified throughout. One to two <2cm qtz veins per meter. Strongly foliated.														
	E725967	85.6	86.5	0.069																				
	E725968	86.5	87.4	0.017																				
	E725969	87.4	88.3	0.11																				
	E725971	88.3	89.2	0.035																				
	E725972	89.2	90.1	0.035																				
90	E725973	90.1	91	0.031																				
	E725974	91	92	0.016																				
	E725975	92	93	0.023																				
	E725976	93	94	0.484																				
	E725977	94	95	0.058																				
95	E725978	95	96	0.021																				
	E725979	96	97	0.016																				
	E725981	97	98	0.058																				
	E725982	98	99	0.015																				
	E725983	99	100	0.04																				
100	E725984	100	101	0.016																				
	E725985	101	102	0.01																				
	E725986	102	103	0.019																				
	E725987	103	104	0.631																				
	E725988	104	105	0.281																				
105	E725989	105	106	0.081																				
	E725991	106	107	0.019																				
	E725992	107	108	0.01																				
	E725993	108	109	0.058																				
	E725994	109	110	0.031																				
110	E725995	110	111	0.017																				
	E725996	111	112	0.025																				
	E725997	112	113	0.157																				
	E725998	113	114	0.021																				
	E725999	114	115	0.018																				
115	E726001	115	116	0.051																				
	E726002	116	117	0.013																				
	E726003	117	118	0.069																				
	E726004	118	119	0.217																				
	E726005	119	120	0.081																				
	E726006	120	121	0.715																				


16-WEL-039

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E726006	120	121	0.715	84.7	151.9	2	DG	FOL	Fine grained dark green mafic metavolcanic unit. Strongly biotite altered and weakly to moderately silicified throughout. One to two <2cm qtz veins per meter. Strongly foliated.												
	E726007	121	122	0.066																		
	E726008	122	123	0.062																		
	E726009	123	124	0.029																		
	E726011	124	125	0.239																		
125	E726012	125	125.8	0.009																		
	E726013	125.8	126.3	0.07																		
	E726014	126.3	127	0.011																		
	E726015	127	128	0.007																		
	E726016	128	129	1.02																		
	E726017	129	130	0.011																		
130	E726018	130	131	0.017																		
	E726019	131	132	0.61																		
	E726021	132	133	0.11																		
	E726022	133	134	0.013																		
	E726023	134	135	0.012																		
135	E726024	135	136	0.008																		
	E726025	136	137	0.005																		
	E726026	137	138	0.01																		
	E726027	138	139	0.018																		
	E726028	139	140	0.792																		
140	E726029	140	141	0.073																		
	E726031	141	142	0.516																		
	E726032	142	143	0.038																		
	E726033	143	143.5	0.68																		
	E726034	143.5	144.5	5.23																		
145	E726035	144.5	145.5	0.238																		
	E726036	145.5	146	0.057																		
	E726037	146	147	1.21																		
	E726038	147	148	0.026																		
	E726039	148	149	0.041																		
150	E726041	149	150	0.006																		
	E726042	150	151	0.007																		
	E726043	151	151.9	0.016																		
	E726044	151.9	152.8	0.056	151.9	168.1	4	B	POR BL	Biotite garnet schist, garnet porphyroblasts are typically fine grained and euhedral. The unit displays finely laminated compositional banding interpreted to represent primary bedding.	1-2 weakly boudinaged qtz veinlets per meter. Very strong brittle deformation throughout. No observable mineralization.											
	E726045	152.8	153.7	0.054																		
	E726046	153.7	154.6	0.028																		
155	E726047	154.6	155.5	0.019																		
	E726048	155.5	156	0.013																		
	E726049	156	157	0.203																		
	E726051	157	158	0.012																		
	E726052	158	159	0.012																		
	E726053	159	160	0.012																		
	E726054	160	161	0.012																		

16-WEL-039

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
105	E726054	160	161	0.012	151.9	168.1	4	B	POR BL	Biotite garnet schist, garnet porphyroblasts are typically fine grained and euhedral. The unit displays finely laminated compositional banding interpreted to represent primary bedding.	1-2 weakly boudinaged qtz veinlets per meter. Very strong brittle deformation throughout. No observable mineralization.										
	E726055	161	162	0.073																	
	E726056	162	163	0.144																	
	E726057	163	164	0.436																	
	E726058	164	165	0.01																	
	E726059	165	166	0.02																	
	E726061	166	167	0.015																	
	E726062	167	167.5	0.029																	
	E726063	167.5	168.1	0.012	168.1	185.7	2	DG	MA	Fine grained, moderately foliated, dark green, mafic metavolcanic. The unit displays a foliation that is very shallow to the core axis. Commonly the hole intersects the upper contact which runs parallel to the core axis over lengths of 20-100cm.	these slices of the contact are often weakly PO mineralized. moderate brittle deformation throughout the unit.										
	E726064	168.1	169	0.005																	
	E726065	169	170	0.051																	
	E726066	170	171	5.59																	
	E726067	171	172	3.14																	
	E726068	172	173	1.55																	
	E726069	173	174	0.018																	
	E726071	174	175	0.026																	
	E726072	175	176	0.031																	
	E726073	176	177	0.007																	
	E726074	177	178	0.008																	
	E726075	178	179	0.006																	
	E726076	179	180	0.012																	
	E726077	180	181	0.005																	
	E726078	181	182	0.005																	
	E726079	182	183	0.006																	
	E726081	183	184	0.005																	
	E726082	184	185	0.008																	
	E726083	185	185.7	0.008	185.7	202.7	GW	B	POR BL	Porphyroblastic clastic metasedimentary unit. Garnet porphyroblasts occur in variable abundances from 1-5%. Generally relict primary bedding can be observed at a shallow and variable angle to the core axis.	there is a weakly defined foliation oblique to bedding at a moderate angle to the core axis. The unit is typically unmineralized, the exception is a large gold bearing shear zone from 192m to 197m, this zone contains up to 20% PO and multiple VG grains.										
	E726084	185.7	186.3	0.043																	
	E726085	186.3	187	0.062																	
	E726086	187	188	0.02																	
	E726087	188	189	0.009																	
	E726088	189	190	0.098																	
	E726089	190	191	0.068																	
	E726091	191	191.5	0.093																	
	E726092	191.5	192	0.742																	
	E726093	192	192.5	2.65																	
	E726094	192.5	193	0.081																	
	E726095	193	193.6	0.06																	
	E726096	193.6	194	18.3																	
	E726097	194	195	13.9																	
	E726098	195	195.6	11.3																	
	E726099	195.6	196	11																	
	E726101	196	196.7	26.7																	
	E726102	196.7	197.7	2.05																	
	E726103	197.7	198.7	0.015																	
	E726104	198.7	199.7	0.009																	
	E726105	199.7	200.7	0.019																	

16-WEL-039

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E726154	240	241	0.005	229.4	270	4F	B	POR BL	Moderately folded biotite garnet schist. Weak to moderate staurolite alteration is observed in approximately 40% of the unit. Typically the unit is unmineralized however zones of 3-5% PO occur rarely.	1-2 ~1cm qtz veins per 5 meters. Compositional banding is interpreted to represent primary sedimentary bedding.		Interval of 4F which displays strong to intense alteration of the biotite groundmass by a white acicular mineral phase interpreted with moderate confidence to be tremolite. Tremolite crystals are only weakly to moderately aligned by the foliation.									
	E726155	241	242	0.006																		
	E726156	242	243	0.006																		
	E726157	243	244	0.005																		
	E726158	244	245	0.006																		
245	E726159	245	246	0.005																		
	E726161	246	246.7	0.005																		
	E726162	246.7	247.6	0.006																		
	E726163	247.6	248.5	0.005																		
	E726164	248.5	249.4	0.005																		
246	E726165	249.4	250.3	0.005																		
	E726166	250.3	251.2	0.009																		
	E726167	251.2	252	0.007																		
	E726168	252	252.5	0.011																		
	E726169	252.5	253.5	0.008																		
	E726171	253.5	254.5	0.007																		
247	E726172	254.5	255.5	0.009																		
	E726173	255.5	256.3	0.006																		
	E726174	256.3	257	0.007																		
	E726175	257	258	0.006																		
	E726176	258	259	0.01																		
248	E726177	259	260	0.005																		
	E726178	260	261	0.006																		
	E726179	261	262	0.005																		
	E726181	262	263	0.014																		
	E726182	263	264	0.01																		
	E726183	264	265	0.008																		
249	E726184	265	266	0.006																		
	E726185	266	267	0.006																		
	E726186	267	268	0.005																		
	E726187	268	268.5	0.006																		
	E726188	268.5	269.5	0.005																		
250	E726189	269.5	270	0.005																		
	E726191	270	271	0.005	270	329	4F	B	POR BL	Continuation of previous 4F above unit differs in intensification and orientation of folding as alteration. Staurolite alteration remains consistent, there is an interval of intense sericite alteration (280.5-287). This lower portion of the 4F is	more intensely folded with two regularly observable fold axes. F1 is sub parallel to the core axis while F2 which overprints F1 is between 30 and 50 degrees to the core axis. qtz veining has increased in abundance to 1-5 per meter.											
	E726192	271	272	0.008																		
	E726193	272	273	0.005																		
	E726194	273	274	0.005																		
251	E726195	274	275	0.005																		
	E726196	275	276	0.005																		
	E726197	276	277	0.005																		
	E726198	277	278	0.005																		
	E726199	278	279	0.005																		
	E726201	279	280	0.005																		
252	E726202	280	281	0.005																		

16-WEL-039

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E726202	280	281	0.005	270	329	4F	B	POR BL	Continuation of previous 4F above unit differs in intensification and orientation of folding as alteration. Staurolite alteration remains consistent, there is an interval of intense sericite alteration (280.5-287). This lower portion of the 4F is	more intensely folded with two regularly observable fold axes. F1 is sub parallel to the core axis while F2 which overprints F1 is between 30 and 50 degrees to the core axis. qtz veining has increased in abundance to 1-5 per meter.											ground mass of 4F is 30-50% replaced by sericite
	E726203	281	282	0.005																		
	E726204	282	283	0.01																		
	E726205	283	284	0.013																		
	E726206	284	285	0.009																		
285	E726207	285	286	0.01																		
	E726208	286	287	0.008																		
	E726209	287	288	0.007																		
	E726211	288	289	0.007																		
	E726212	289	290	0.007																		
290	E726213	290	291	0.009																		
	E726214	291	292	0.005																		
	E726215	292	293	0.005																		
	E726216	293	294	0.007																		
	E726217	294	295	0.009																		
295	E726218	295	296	0.01																		
	E726219	296	297	0.009																		
	E726221	297	298	0.01																		
	E726222	298	299	0.011																		
	E726223	299	300	0.01																		
300	E726224	300	301	0.013																		
	E726225	301	302	0.012																		
	E726226	302	303	0.01																		
	E726227	303	304	0.006																		
	E726228	304	305	0.045																		
305	E726229	305	306	0.017																		
	E726231	306	307	0.012																		
	E726232	307	308	0.014																		
	E726233	308	309	0.005																		
	E726234	309	310	0.005																		
310	E726235	310	311	0.02																		
	E726236	311	312	0.005																		
	E726237	312	313	0.177																		
	E726238	313	314	0.232																		
	E726239	314	315	0.016																		
315	E726241	315	316	0.005																		
	E726242	316	317	0.005																		
	E726243	317	318	0.005																		
	E726244	318	319	0.005																		
	E726245	319	320	0.005																		
320	E726246	320	321	0.005																		

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-040**

Project: **WEL**

Mine Grid Easting: 8178.405

Planned Depth(m): 354

Drill Start Date: 3/16/2016

Mine Grid Northing: 11549.412

Actual Depth (m): 354

Drill End Date: 3/20/2016

Elevation: 5297.382

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: BAD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	89.1	-45.4	MAXI
3	88.9	-44.6	MAXI
6	88.9	-43.9	MAXI
9	88.8	-43.4	MAXI
12	88.7	-43.3	MAXI
15	88.7	-43.3	MAXI
18	88.7	-43.3	MAXI
21	88.7	-43.2	MAXI
24	88.6	-43.2	MAXI
27	88.6	-43.2	MAXI
30	88.6	-43.1	MAXI
33	88.7	-43.2	MAXI
36	88.6	-43.1	MAXI
39	88.6	-43	MAXI
42	88.6	-42.9	MAXI
45	88.6	-42.9	MAXI
48	88.6	-42.8	MAXI
51	88.6	-42.8	MAXI
54	88.6	-42.8	MAXI
57	88.5	-42.7	MAXI
60	88.5	-42.7	MAXI
63	88.5	-42.6	MAXI
66	88.6	-42.6	MAXI
69	88.6	-42.7	MAXI
72	88.7	-42.8	MAXI
75	88.7	-42.8	MAXI
78	88.7	-42.8	MAXI
81	88.7	-42.8	MAXI
84	88.6	-42.9	MAXI
87	88.6	-42.9	MAXI
90	88.7	-42.8	MAXI
93	88.7	-42.8	MAXI
96	88.7	-42.8	MAXI
99	88.7	-42.8	MAXI
102	88.7	-42.8	MAXI
105	88.7	-42.7	MAXI
108	88.7	-42.7	MAXI
111	88.7	-42.7	MAXI
114	88.7	-42.7	MAXI
117	88.7	-42.6	MAXI
120	88.7	-42.6	MAXI
123	88.8	-42.6	MAXI
126	88.7	-42.6	MAXI
129	88.7	-42.6	MAXI
132	88.8	-42.5	MAXI
135	88.8	-42.5	MAXI
138	88.8	-42.6	MAXI
141	88.8	-42.6	MAXI
144	88.8	-42.5	MAXI
147	88.8	-42.5	MAXI
150	88.8	-42.5	MAXI
153	88.8	-42.5	MAXI
156	88.8	-42.5	MAXI
159	88.8	-42.5	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-040**

Project: **WEL**

Mine Grid Easting: 8178.405

Planned Depth(m): 354

Drill Start Date: 3/16/2016

Mine Grid Northing: 11549.412

Actual Depth (m): 354

Drill End Date: 3/20/2016

Elevation: 5297.382

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: BAD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	88.8	-42.5	MAXI
165	88.8	-42.4	MAXI
168	88.8	-42.4	MAXI
171	88.8	-42.4	MAXI
174	88.8	-42.4	MAXI
177	88.8	-42.4	MAXI
180	88.8	-42.4	MAXI
183	88.8	-42.4	MAXI
186	88.8	-42.4	MAXI
189	88.8	-42.3	MAXI
192	88.9	-42.3	MAXI
195	88.8	-42.4	MAXI
198	88.8	-42.3	MAXI
201	88.8	-42.2	MAXI
204	88.8	-42.2	MAXI
207	88.7	-42.1	MAXI
210	88.8	-42.2	MAXI
213	88.8	-42.1	MAXI
216	88.8	-42.2	MAXI
219	88.9	-42.2	MAXI
222	88.9	-42.1	MAXI
225	88.9	-42.1	MAXI
228	88.9	-42.2	MAXI
231	88.9	-42.1	MAXI
234	88.9	-42.1	MAXI
237	88.9	-42.1	MAXI
240	88.9	-42.1	MAXI
243	88.9	-42	MAXI
246	88.9	-42	MAXI
249	88.9	-42	MAXI
252	88.9	-41.9	MAXI
255	88.9	-41.9	MAXI
258	88.9	-41.9	MAXI
261	88.9	-41.8	MAXI
264	88.9	-41.8	MAXI
267	88.9	-41.8	MAXI
270	88.9	-41.8	MAXI
273	88.9	-41.7	MAXI
276	88.9	-41.8	MAXI
279	88.8	-41.8	MAXI
282	88.8	-41.7	MAXI
285	88.8	-41.7	MAXI
288	88.7	-41.6	MAXI
291	88.7	-41.6	MAXI
294	88.7	-41.5	MAXI
297	88.7	-41.5	MAXI
300	88.6	-41.5	MAXI
303	88.73	-41.49	MAXI
306	88.72	-41.47	MAXI
309	88.71	-41.44	MAXI
312	88.7	-41.42	MAXI
315	88.69	-41.39	MAXI
318	88.68	-41.37	MAXI
321	88.67	-41.34	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **16-WEL-040**

Project: **WEL**

Mine Grid Easting: 8178.405

Planned Depth(m): 354

Drill Start Date: 3/16/2016

Mine Grid Northing: 11549.412

Actual Depth (m): 354

Drill End Date: 3/20/2016

Elevation: 5297.382

Core Diameter: NQ2

UTM East:

Plugged: YES

Target 1: WEL

UTM North:

Grout Test: YES

Target 2:

Result: BAD

Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	88.66	-41.31	MAXI
327	88.65	-41.29	MAXI
330	88.65	-41.26	MAXI
333	88.64	-41.24	MAXI
336	88.63	-41.21	MAXI
339	88.62	-41.19	MAXI
342	88.61	-41.16	MAXI
345	88.6	-41.13	MAXI
348	88.59	-41.11	MAXI
351	88.58	-41.08	MAXI
354	88.58	-41.06	MAXI

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT																								
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments																
0	11	CASING																																																		
11	26.4	1	0.5					1		fine disseminations and stringers								13	13.1	45	MOD	S1																														
26.4	37.4	2	0.5					0.5		rare wispy stringers and disseminations								24	24.1	40	MOD	S1																					26.2	27.7	40	MOD E	SZ	Moderate carbonate alteration - occurs as thin veinlets.				
37.4	40.9	1	1.5					1.5		fine disseminations and wisps								31	31.1	20	MOD	S1																									35.2	37.5	30	MOD E	SZ	Moderate to strong carbonate alteration - occurs as veinlets.

16-WEL-040

Depth	MAJOR UNIT			MINERALS						QTZ VEINING						FABRIC						FOLD						FAULT													
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments					
37.4	40.9	41					1.5			fine disseminations and wisps	40.5	41	QZ-CA	10	m	S	40		41.5	41.6	20	MOD	S1																		
40.9	44.8	2																																							
44.8	56.5	41					2			fine grained disseminations and blebs	50.4	50.5							50.4	50.5	50	MOD	S1																		
56.5	60.8						2																																		
60.8	63.6	41																	62.8	62.9	30	MOD	ZF	z-folded qtz vein																	
63.6	66	4EA																	63.6	64	60	MOD	FD																		
64.9	65.4																		64.9	65.4	40	MOD	FD																		
66	70.4	41																	69	69.1	40	MOD	S1																		
70.4	71	4EA																	70.4	71	60	MOD	FD																		
71	80	41									73	79.1	QZ	12	m	S	60		74	75	75	MOD	MF																		
																			76	78	50	MOD	ZF																		

brittle fractures very from 0 to 60 degrees to CA - 35 is dominant

2 main fault planes - ~0 degrees to CA and ~35 degrees to CA - minor gouge

16-WEL-040

Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC						FOLD						FAULT										
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments				
125																																								
130	84.2	138.5	2															130	130.1	45	MOD	S1																		
135																																								
140	138.5	140	4E					1	1															137.4	138	40	MOD	SF		moderately folded quartz veins	137.2	138.5	40	MOD	E	HZ				
145	140	146.3	4F						2									143	143.1	55	MOD	S1																		
150	146.3	146.6	2K																																					
155	146.6	150.9	4F						2																															
155	150.9	160.2	2U						0.5									153	153.1	60	MOD	S1		153	155	55	MOD	FD		moderately folded qtz-carb veins	150.9	158	60	MOD	E	HZ				

0 to 15 degrees to CA

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Depth	MAJOR UNIT			MINERALS							QTZ VEINING							FABRIC					FOLD					FAULT												
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments				
150.9	160.2	2U				0.5																																		
163	166																		163	166	55	MOD	MF	moderately folded qtz veins																
166	171																		166	171	50	MOD	MF	moderately folded qtz veins																
173	175.5																																					Methane Fault		
176	177.3																																					Methane Fault		
177.7	177.8																																					Methane Fault		
180.2	197.4	2				0.5																																		
180.8	181.5											QZ	50	m	I																									
185.6	185.65																																						Methane Fault	
185.6	185.65																																							
190	190.1																																							
194	197.4																																							
199.5	199.7																																							
197.4	213.4	4			0.5		1.5																																	
										pathcy f.g. cp bands 2-3cm. patchy diss and blebby po																														

16-WEL-040

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
5					0	11	CASHING															
10	E744791	11	12	0.005	11	26.4	4F	P	POR BL	Pink-black-green; fine to medium grained bio groundmass - 5-10% amph. Moderately foliated. Well-developed 4F - locally amph altered - weak grunerite alt bands. 5-2cm. 1-2% fine grained disseminated po-as - minor thin stringers. Rare qtz veins.	Gradational LC											
	E744792	12	13	0.005																		
	E744793	13	14	0.006																		
	E744794	14	15	0.006																		
	E744795	15	16	0.009																		
	E744796	16	17	0.007																		
	E744797	17	18	0.006																		
	E744798	18	19	0.005																		
	E744799	19	20	0.005																		
	E744801	20	21	0.005																		
	E744802	21	22	0.005																		
	E744803	22	23	0.005																		
	E744804	23	24	0.005																		
	E744805	24	25	0.009																		
25	E744806	25	25.7	0.024																		
	E744807	25.7	26.4	0.005																		
	E744808	26.4	27.4	0.011	26.4	37.4	2	DG	FOL	Dark green-black; fine grained; well foliated. Mafic meta-volcanic. Amph-silica groundmass - moderate biotite alteration. Moderate carbonate altered and moderately sheared at both contacts. Patchy 1-2% wispy fine grained po within shears.	Gradational LC - intercalated 4F and 6 (20-30%) over lower 2m.											
	E744809	27.4	28.4	0.007																		
	E744811	28.4	29.4	0.1																		
30	E744812	29.4	30.4	0.008																		
	E744813	30.4	31.4	0.006																		
	E744814	31.4	32.4	0.012																		
	E744815	32.4	33.4	0.013																		
	E744816	33.4	34.4	0.011																		
35	E744817	34.4	35.4	0.007																		
	E744818	35.4	36.4	0.01																		
	E744819	36.4	37.4	0.005																		
	E744821	37.4	38.4	0.005	37.4	40.9	4F	P	POR BL	Pink-black; fine to med grained bio groundmass. Moderately foliated. Well-developed 4F. 20-40% anhedral garnets - occur as porphyroblasts and agglomerated bands. 1-2% blebby stringers and disseminated po. ~10% qtz carb veins at LC margin. Sharp LC												
	E744822	38.4	39.4	0.005																		
	E744823	39.4	40.4	0.005																		

16-WEL-040

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION									
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E744872	80	81	0.023	80	83.1	2	DG	FOL	Dark green-black; fine grained; well foliated. Mafic meta-volcanic. Strong biotite alteration - spotty texture. Moderate silica alt. 1-2 qtz veins per metre. Mod HZ at UC. Trace po - 1-2% wispy po in veins at LC. Diffuse LC.												
	E744873	81	82	0.175																		
	E744874	82	82.5	0.018																		
	E744875	82.5	83.1	0.197																		
	E744876	83.1	83.5	0.315																		
	E744877	83.5	84.2	0.177	83.1	84.2	4E	GG	POR BL	Dark green-grey-pink, f.g.; moderately foliated. Poorly developed 4E - could be an amphib altered 4F. ~5% grunerite alt bands. 5-1cm - also occurs are halos around grt porphyroblasts. ~5% qtz carb veins. Mod folding. 1-2% diss po-py. Gradational LC.												
	E744878	84.2	85	0.053																		
	E744879	85	86	0.104																		
					84.2	138.5	2	GG	FOL	Dark green-grey; fine to locally medium grained (spotty texture). Mod to well foliated. Mafic meta-volcanic - locally tuffaceous. Strong to locally intense silica alt. Patchy strong biotite alt - associated with HZ. 5-10 qtz-carb veins per metre.	Trace to .5% fine grained diss cp-po. Minor hematite in carb veins 126-131m. Sharp LC											

16-WEL-040

Depth	Assay				MAJOR UNIT					MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments	
	E744909	159.5	160.2	0.005	150.9	160.2	2U	B	FOL	Brown-green-pink; fine grained; well foliated. Garnet bearing meta-volcanic. 5-10% med grained anhedral grts. Moderate to strong biotite alteration – spotty texture. Moderate patchy ampb alt. 3-5% qtz-carb veins – mod to weakly folded.	Incipient grunerite alteration selvages around grts and veins. Trace to .5% f.g. po – predominately in veins. Gradational LC.											
	E744911	160.2	161	0.008																		
	E744912	161	162	0.013																		
	E744913	162	163	0.01																		
	E744914	163	164	0.016																		
	E744915	164	165	0.138																		
	E744916	165	166	0.044																		
	E744917	166	167	0.013																		
	E744918	167	168	0.031																		
	E744919	168	169	0.012																		
	E744921	169	170	0.026																		
	E744922	170	171	0.022																		
	E744923	171	172	0.07																		
	E744924	172	173	0.016																		
	E744925	173	174	0.017																		
	E744926	174	175	0.027																		
	E744927	175	176	0.016																		
	E744928	176	177	0.022																		
	E744929	177	178	0.289																		
	E744931	178	179	0.21																		
	E744932	179	180	0.016																		
	E744933	180	180.8	0.417																		
	E744934	180.8	181.5	4.87																		
	E744935	181.5	182	0.163																		
	E744936	182	183	0.013																		
	E744937	183	184	0.021																		
	E744938	184	185	0.012																		
	E744939	185	186	0.031																		
	E744941	186	187	0.812																		
	E744942	187	188	0.193																		
	E744943	188	189	0.153																		
	E744944	189	190	0.412																		
	E744945	190	191	0.038																		
	E744946	191	192	0.072																		
	E744947	192	193	0.028																		
	E744948	193	194	0.22																		
	E744949	194	195	0.022																		
	E744951	195	196	0.091																		
	E744952	196	197	0.146																		
	E744953	197	197.4	0.013																		
	E744954	197.4	198.4	0.049																		
	E744955	198.4	199.4	0.152	197.4	213.4	4F	P	POR BL	Pink-brown – minor green; f.g.; well foliated – strongly folded. Well-developed moderately banded 4F. Upper 2m contained 30-40% poorly developed 4E bands 2-10cm. 30cm qtz veined zone 203.8m – 2 specks of VG – correlates to zone in hole below at ~192m.	3-5% m.g. needle like mineral - tremolite? 15cm 2K at 198.7cm. 5-10% intercalated grunerite altered bands. 1-3% fine grained diss and blebby po. ~5% qtz veins – rare carb veins. Gradational LC.											
	E744956	199.4	200.4	0.025																		

16-WEL-040

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION										
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments			
20	E744956	199.4	200.4	0.025	197.4	213.4	4F	P	POR BL	Pink-brown – minor green; f.g.; well foliated – strongly folded. Well-developed moderately banded 4F. Upper 2m contained 30-40% poorly developed 4E bands 2-10cm. 30cm qtz veined zone 203.8m – 2 specks of VG – correlates to zone in hole below at ~192m.	3-5% m.g. needle like mineral - tremolite? 15cm 2K at 199.7cm. 5-10% intercalated granitite altered bands. 1-3% fine grained diss and blebby po. ~5% qtz veins – rare carb veinlets. Gradational LC.													
	E744957	200.4	201.4	0.016																				
	E744958	201.4	202.4	0.008																				
	E744959	202.4	203	0.01																				
	E744961	203	203.7	0.013																				
	E744962	203.7	204.2	18.5																				
	E744963	204.2	205	0.2																				
	E744964	205	206	0.01																				
	E744965	206	207	0.008																				
	E744966	207	208	0.006																				
	E744967	208	209	0.007																				
	E744968	209	210	0.005																				
	E744969	210	211	0.007																				
	E744971	211	212	0.007																				
	E744972	212	212.7	0.008																				
	E744973	212.7	213.4	0.014																				
	E744974	213.4	214	0.115																				
	E744975	214	215	0.017	213.4	276.5	2	DG	FOL	Dark green; fine to med grained; well foliated; mafic meta-volcanic. Patchy moderate biotite alt – spotty texture. Strong amphi alt – spotty texture – altered amygdules?. Mod to strong silica alt. ~5% qtz veins – locally up to 50% over 50cm intervals.	Trace fine grained po. Trace to 2% fine grained patchy mineralization – cp-py-po. Mod carb altered HZ's - enriched po up to 1%. Gradational LC.													
	E744976	215	216	0.026																				
	E744977	216	217	0.015																				
	E744978	217	218	0.029																				
	E744979	218	219	0.045																				
	E744981	219	220	0.01																				
	E744982	220	221	0.009																				
	E744983	221	222	0.01																				
	E744984	222	223	0.011																				
	E744985	223	224	0.005																				
	E744986	224	224.7	0.008																				
	E744987	224.7	225.7	0.081																				
	E744988	225.7	226.3	0.136																				
	E744989	226.3	227	0.006																				
	E744991	227	228	0.012																				
	E744992	228	229	0.013																				
	E744993	229	230	0.012																				
	E744994	230	231	0.021																				
	E744995	231	232	0.124																				
	E744996	232	233	0.01																				
	E744997	233	234	0.01																				
	E744998	234	235	0.013																				
	E744999	235	236	0.362																				
	E745001	236	237	0.139																				
	E745002	237	238	0.053																				
	E745003	238	239	0.259																				
	E745004	239	240	0.069																				
	E745005	240	241	0.244																				

