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Technical Report for MNDM Assessment Purposes, 2016-2017 Prospecting and Trenching Program

Huronian Property

Moss Township, Thunder Bay Mining Division
Ontario, Canada

Prepared For:

Kesselrun Resources Ltd.

November 5, 2017

Prepared By:
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Fladgate Exploration consulting corporation

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1 Introduction

The Huronian Property consists of 4 patents and 154 claims covering an area of 5163 hectares within Moss Township in the Thunder Bay Mining Division. The property is fully owned by Kesselrun Resources Ltd. ("**Kesselrun**") and located approximately 110 km west of Thunder Bay, Ontario along Trans-Canada Hwy 11.

Kesselrun contracted Fladgate Exploration Consulting Corporation ("**Fladgate**") to conduct an exploration program on its Huronian Property starting September 6, 2016. Fladgate provided all of the required geological, geotechnical, and sub-contractor services on the program described herein. The exploration program consisted of historic diamond drill hole validation, prospecting, structural mapping, mechanized stripping, and channel sampling. Work was interrupted by the winter snowfall at the end of November 2016, at which point report writing and assay data analysis was undertaken. Field work commenced again in May 2017 with continuation of channel sampling. Work on the trenches opened up during the 2016 field season continued throughout the Spring, ending in June 2017. This is the first program Kesselrun has completed on the property since its acquisition in July 2016.

The program resulted in the discovery of the Leo Zone, which returned grab samples of 6.8, 6.1, 5.7, 5.7, and 5.1 g/t Au, along with 1.2 m of 4.4 g/t Au and 39 g/t Ag, and 6.1 m of 1 g/t Au in channel sampling. Prospecting highlighted a number of new and anomalous gold mineralization throughout the property. Trenching along the historic Ardeen mine trend was successful in returning high grade, narrow mineralization (e.g. 1.3 m of 17.6 g/t Au and 53 g/t Ag).

2 Terms of Reference

This report was prepared at the request of Kesselrun for the use of filing assessment as required under the Ontario Mining Act.

Unless otherwise noted, Universal Transverse Mercator ("UTM") coordinates are provided in the datum of NAD83 Zone 15 North.

3 Disclaimer

The author disclaims responsibility for portions of the current report that rely on information from historic assessment files and government maps and reports which may not have been prepared in compliance with current standards.

4 Property Description and Location

The Huronian property is located in Moss Township within the Thunder Bay Mining Division in Northwestern Ontario, approximately 110 km west of Thunder Bay (Figure 1). The property is centered on UTM coordinates 665,000 mE, 5,380,000 mN (NAD83 Zone 15N), and consists of 154 contiguous unpatented mining claims and 4 patents. The property is situated within NTS map sheet 52B/10, and covers 5163 hectares (Figure 2). A list of all claims and patents comprising the Huronian Property is provided in Table 1 and Table 2. The mineral rights for all claims and patents are wholly-owned by Kesselrun, as well as the surface rights to the 2 patents covering the historic Ardeen mine.

Table 1 - Unpatented Claims of the Huronian Property.

Claim Number	Township	Units	Ha	Recording Date	Claim Due Date	% Option	Ownership
677468	MOSS	1	16	1983-Jan-25	2021-Jan-25	100%	Kesselrun Resources Ltd.
677469	MOSS	1	16	1983-Jan-25	2019-Jan-25	100%	Kesselrun Resources Ltd.
677470	MOSS	1	16	1983-Jan-25	2021-Jan-25	100%	Kesselrun Resources Ltd.
677471	MOSS	1	16	1983-Jan-25	2021-Jan-25	100%	Kesselrun Resources Ltd.
677472	MOSS	1	16	1983-Jan-25	2019-Jan-25	100%	Kesselrun Resources Ltd.
677473	MOSS	1	16	1983-Jan-25	2021-Jan-25	100%	Kesselrun Resources Ltd.
677474	MOSS	1	16	1983-Jan-25	2021-Jan-25	100%	Kesselrun Resources Ltd.
677475	MOSS	1	16	1983-Jan-25	2019-Jan-25	100%	Kesselrun Resources Ltd.
677476	MOSS	1	16	1983-Jan-25	2019-Jan-25	100%	Kesselrun Resources Ltd.
677477	MOSS	1	16	1983-Jan-25	2019-Jan-25	100%	Kesselrun Resources Ltd.
677478	MOSS	1	16	1983-Jan-25	2019-Jan-25	100%	Kesselrun Resources Ltd.
677479	MOSS	1	16	1983-Jan-25	2019-Jan-25	100%	Kesselrun Resources Ltd.
786521	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786522	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786523	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786524	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786525	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786526	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786527	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786528	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786529	MOSS	1	16	1984-Jun-08	2019-Jun-08	100%	Kesselrun Resources Ltd.
786541	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
786542	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
786543	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
786544	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
786545	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813157	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.

Claim Number	Township	Units	Ha	Recording Date	Claim Due Date	% Option	Ownership
813158	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813159	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813160	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813161	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813162	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813163	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813164	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813165	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
813166	MOSS	1	16	1984-Jun-26	2019-Jun-26	100%	Kesselrun Resources Ltd.
835178	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835179	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835184	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835185	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835186	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835187	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835188	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835189	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835190	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835195	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835196	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835197	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
835304	MOSS	1	16	1985-Dec-03	2019-Dec-03	100%	Kesselrun Resources Ltd.
835305	MOSS	1	16	1985-Dec-03	2019-Dec-03	100%	Kesselrun Resources Ltd.
835306	MOSS	1	16	1985-Dec-03	2019-Dec-03	100%	Kesselrun Resources Ltd.
835307	MOSS	1	16	1985-Dec-03	2019-Dec-03	100%	Kesselrun Resources Ltd.
835308	MOSS	1	16	1985-Dec-03	2019-Dec-03	100%	Kesselrun Resources Ltd.
835309	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
835310	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
835311	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
835312	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
835313	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
863760	MOSS	1	16	1985-Nov-27	2019-Nov-27	100%	Kesselrun Resources Ltd.
873515	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
873516	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
873517	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
873518	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
873519	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
873520	MOSS	1	16	1985-Dec-30	2019-Dec-30	100%	Kesselrun Resources Ltd.
873522	MOSS	1	16	1986-Apr-21	2020-Apr-21	100%	Kesselrun Resources Ltd.

Claim Number	Township	Units	Ha	Recording Date	Claim Due Date	% Option	Ownership
1022635	MOSS	3	48	1997-Feb-06	2019-Feb-06	100%	Kesselrun Resources Ltd.
1022636	MOSS	3	48	1997-Jan-27	2019-Jan-27	100%	Kesselrun Resources Ltd.
1022637	MOSS	2	32	1997-Jan-27	2019-Jan-27	100%	Kesselrun Resources Ltd.
1135465	MOSS	1	16	1990-Nov-05	2019-Nov-05	100%	Kesselrun Resources Ltd.
1135466	MOSS	1	16	1990-Nov-05	2019-Nov-05	100%	Kesselrun Resources Ltd.
1157496	MOSS	1	16	1990-Nov-05	2019-Nov-05	100%	Kesselrun Resources Ltd.
1157497	MOSS	1	16	1990-Nov-05	2019-Nov-05	100%	Kesselrun Resources Ltd.
1157666	MOSS	1	16	1990-Nov-06	2019-Nov-06	100%	Kesselrun Resources Ltd.
1157667	MOSS	1	16	1990-Nov-06	2019-Nov-06	100%	Kesselrun Resources Ltd.
1157668	MOSS	1	16	1990-Nov-06	2019-Nov-06	100%	Kesselrun Resources Ltd.
1157670	MOSS	1	16	1990-Nov-06	2019-Nov-06	100%	Kesselrun Resources Ltd.
1157671	MOSS	1	16	1990-Nov-06	2019-Nov-06	100%	Kesselrun Resources Ltd.
1164874	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1164875	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1164876	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1164877	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172315	MOSS	1	16	1990-Oct-31	2023-Oct-31	100%	Kesselrun Resources Ltd.
1172316	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172317	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172340	MOSS	1	16	1990-Nov-02	2019-Nov-02	100%	Kesselrun Resources Ltd.
1172345	MOSS	1	16	1990-Oct-31	2020-Oct-31	100%	Kesselrun Resources Ltd.
1172346	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172347	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172348	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172349	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172350	MOSS	1	16	1990-Oct-31	2020-Oct-31	100%	Kesselrun Resources Ltd.
1172355	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172356	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172365	MOSS	1	16	1990-Oct-31	2023-Oct-31	100%	Kesselrun Resources Ltd.
1172366	MOSS	1	16	1990-Nov-01	2019-Nov-01	100%	Kesselrun Resources Ltd.
1172367	MOSS	1	16	1990-Nov-01	2019-Nov-01	100%	Kesselrun Resources Ltd.
1172368	MOSS	1	16	1990-Nov-01	2019-Nov-01	100%	Kesselrun Resources Ltd.
1172369	MOSS	1	16	1990-Nov-01	2019-Nov-01	100%	Kesselrun Resources Ltd.
1172375	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172385	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172386	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1172387	MOSS	1	16	1990-Nov-01	2019-Nov-01	100%	Kesselrun Resources Ltd.
1172388	MOSS	1	16	1990-Nov-01	2019-Nov-01	100%	Kesselrun Resources Ltd.
1172395	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.

Claim Number	Township	Units	Ha	Recording Date	Claim Due Date	% Option	Ownership
1172396	MOSS	1	16	1990-Oct-31	2019-Oct-31	100%	Kesselrun Resources Ltd.
1195937	MOSS	1	16	1992-Jul-22	2019-Jul-22	100%	Kesselrun Resources Ltd.
1195940	MOSS	1	16	1992-Jul-22	2019-Jul-22	100%	Kesselrun Resources Ltd.
1196147	MOSS	4	64	1993-Oct-04	2019-Oct-04	100%	Kesselrun Resources Ltd.
1196239	MOSS	2	32	1994-Apr-19	2019-Apr-19	100%	Kesselrun Resources Ltd.
1196240	MOSS	4	64	1994-Apr-19	2019-Apr-19	100%	Kesselrun Resources Ltd.
1196870	MOSS	12	192	1996-Nov-01	2018-Nov-01	100%	Kesselrun Resources Ltd.
1196921	MOSS	4	64	1994-Mar-14	2019-Mar-14	100%	Kesselrun Resources Ltd.
1196923	MOSS	1	16	1994-Oct-05	2019-Oct-05	100%	Kesselrun Resources Ltd.
1196924	MOSS	1	16	1994-Nov-02	2020-Nov-02	100%	Kesselrun Resources Ltd.
1202036	MOSS	4	64	1994-Jan-12	2019-Jan-12	100%	Kesselrun Resources Ltd.
1202264	MOSS	2	32	1994-Aug-11	2019-Aug-11	100%	Kesselrun Resources Ltd.
1202265	MOSS	2	32	1994-Aug-11	2019-Aug-11	100%	Kesselrun Resources Ltd.
1202302	MOSS	6	96	1994-Sep-16	2019-Sep-16	100%	Kesselrun Resources Ltd.
1205201	MOSS	1	16	1994-Dec-06	2020-Dec-06	100%	Kesselrun Resources Ltd.
1205202	MOSS	1	16	1994-Dec-06	2019-Dec-06	100%	Kesselrun Resources Ltd.
1205203	MOSS	1	16	1994-Dec-06	2019-Dec-06	100%	Kesselrun Resources Ltd.
1205204	MOSS	2	32	1994-Dec-06	2020-Dec-06	100%	Kesselrun Resources Ltd.
1205287	MOSS	2	32	1995-Sep-27	2020-Sep-27	100%	Kesselrun Resources Ltd.
1209440	MOSS	2	32	1994-Dec-13	2019-Dec-13	100%	Kesselrun Resources Ltd.
1209441	MOSS	2	32	1994-Dec-13	2019-Dec-13	100%	Kesselrun Resources Ltd.
1209470	MOSS	4	64	1994-Aug-23	2020-Aug-23	100%	Kesselrun Resources Ltd.
1209697	MOSS	1	16	1995-Aug-30	2020-Aug-30	100%	Kesselrun Resources Ltd.
1209698	MOSS	10	160	1996-Aug-06	2020-Aug-06	100%	Kesselrun Resources Ltd.
1209770	MOSS	2	32	1996-Jan-16	2020-Jan-16	100%	Kesselrun Resources Ltd.
1210243	MOSS	2	32	1996-Apr-24	2020-Apr-24	100%	Kesselrun Resources Ltd.
1210245	MOSS	3	48	1996-Apr-29	2020-Apr-29	100%	Kesselrun Resources Ltd.
1210776	MOSS	3	48	1996-Aug-14	2020-Aug-14	100%	Kesselrun Resources Ltd.
1210792	MOSS	11	176	1996-Oct-25	2019-Oct-25	100%	Kesselrun Resources Ltd.
1215147	MOSS	10	160	1996-Nov-04	2020-Nov-04	100%	Kesselrun Resources Ltd.
1215148	MOSS	1	16	1996-Nov-04	2020-Nov-04	100%	Kesselrun Resources Ltd.
1215149	MOSS	2	32	1996-Nov-04	2020-Nov-04	100%	Kesselrun Resources Ltd.
1215450	MOSS	2	32	1996-Aug-14	2020-Aug-14	100%	Kesselrun Resources Ltd.
1215451	MOSS	8	128	1996-Aug-14	2020-Aug-14	100%	Kesselrun Resources Ltd.
1215452	MOSS	8	128	1996-Aug-14	2020-Aug-14	100%	Kesselrun Resources Ltd.
1215453	MOSS	15	240	1996-Aug-14	2020-Aug-14	100%	Kesselrun Resources Ltd.
1215454	MOSS	10	160	1996-Aug-14	2020-Aug-14	100%	Kesselrun Resources Ltd.
1215751	MOSS	1	16	1996-Nov-04	2020-Nov-04	100%	Kesselrun Resources Ltd.
1215752	MOSS	4	64	1996-Nov-04	2020-Nov-04	100%	Kesselrun Resources Ltd.

Claim Number	Township	Units	Ha	Recording Date	Claim Due Date	% Option	Ownership
1215758	MOSS	1	16	1996-Dec-13	2019-Dec-13	100%	Kesselrun Resources Ltd.
1215760	MOSS	3	48	1997-May-06	2020-May-06	100%	Kesselrun Resources Ltd.
1215831	MOSS	2	32	1996-Nov-08	2020-Nov-08	100%	Kesselrun Resources Ltd.
1215859	MOSS	1	16	1996-Nov-25	2020-Nov-25	100%	Kesselrun Resources Ltd.
1217105	MOSS	1	16	1996-Dec-13	2019-Dec-13	100%	Kesselrun Resources Ltd.
1224629	MOSS	2	32	1994-Aug-11	2018-Aug-11	100%	Kesselrun Resources Ltd.
3001505	MOSS	11	176	2002-Feb-07	2020-Feb-07	100%	Kesselrun Resources Ltd.
3001506	MOSS	4	64	2002-Feb-07	2020-Feb-07	100%	Kesselrun Resources Ltd.
3001507	MOSS	2	32	2002-Feb-07	2020-Feb-07	100%	Kesselrun Resources Ltd.

Table 2 - Patents of the Huronian Property.

Township	Name	G number	Area (ha)	Anniversary Date	Description	Units
MOSS	33B	G-4000001	129.55	January 1, 2017	Surface and Mining rights (#62311-011)	8.0969
MOSS	1H					
MOSS	A6	G-4040116	274.79	January 1, 2017	Mining rights (#62311-010)	17.1744
MOSS	A7					

Figure 1 - Location of the Huronian Property in Ontario, Canada.

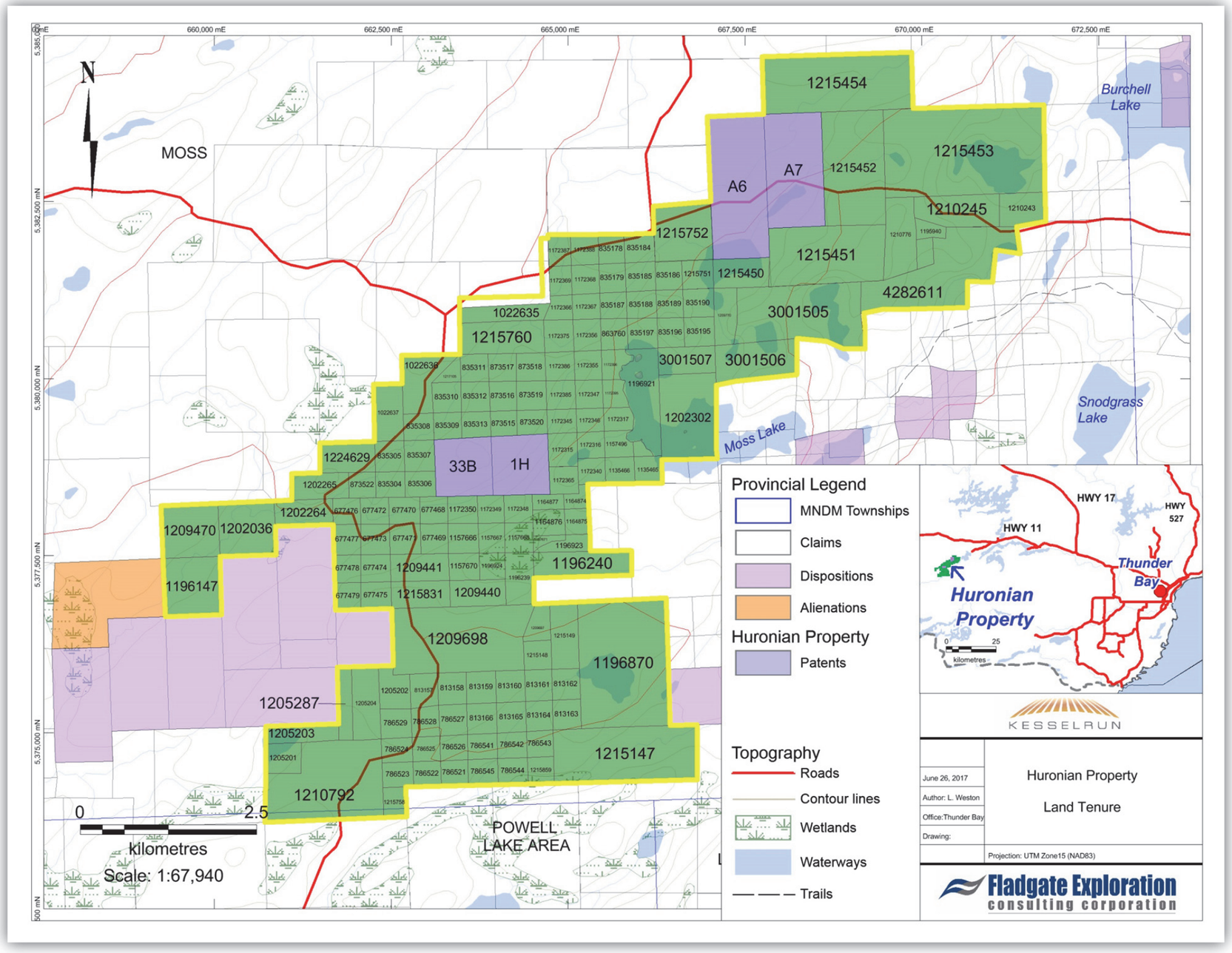

Figure 2 - Huronian Property claim map.

5 Access, Local Resources, and Infrastructure

The property is accessible year-round, as it is located 5 km south of Trans-Canada Hwy 11, which is a major east-west route connecting Thunder Bay to Fort Francis (Figure 1 and 2). After driving 64 km west of Thunder Bay on Hwy 11-17, and another 62 km west along Hwy 11, access to the property is gained along Swamp Road, a well-maintained gravel road that loops around the entire property (Figure 2). There are many other tertiary logging roads that cross the property, providing access to every claim and patent. Minor bush trails are traveled by ATV to reach some central areas.

Atikokan is the nearest town (population ~2,700), located roughly 40 km west on Hwy 11 from the Swamp Road turnoff. Most supplies are readily available in Atikokan. Thunder Bay is ~110 km to the east, and is the nearest large regional population centre in Ontario, with many services and amenities for industrial, educational, and leisure activities. Local experienced labour is readily available, as well as the regional offices of the Ministry of Northern Development and Mines (MNDM). The Thunder Bay airport has multiple daily scheduled flights to Toronto, Ottawa, Calgary, and Winnipeg, as well as some direct US international destinations.

The property is located near major rail and hydroelectric infrastructure. There are no permanent structures on the property at this time. Water is available year-round from Moss Lake, and also from other small lakes and creeks within the claim block.

6 Climate and Physiography

The Huronian Property is located within the Canadian Shield, which is a major physiographic division of Canada. The property is situated in an area of swamps, small lakes, low rolling hills, and distinct northeast-trending cliffs with abundant outcrop.

Climate in the area is typical of Northern Ontario, with cold winters and warm summers. Average January temperatures range from -11˚C to -25˚C, and average July temperatures are between 11˚C and 25˚C. Work can be done (subject to snow and freezing) for most of the year. Certain mapping and mechanized stripping activities and soil sampling are done only without snow cover, whereas drilling can occur at any time of the year.

The claims are covered with a thick secondary growth of jackpine, poplar, balsam fir, black spruce, cedar and some birch. The underbrush can be very dense with intergrowths of maple, and alder. Much of the property has been forested in different episodes and replanted with dominantly jackpine ranging from ~3-20 cm in diameter.

Rock exposures are abundant in the northern portion of the claims where topography is more pronounced. Typically outcrops in this area are found as moss-covered knolls or form regional cliffs. Total rock exposure and areas with thin overburden cover comprise approximately 10% of the property.

7 Geological Setting

7.1 Regional Geology

The Huronian Property lies within the western portion of Ontario's Superior Province, in the westernmost portion of the Wawa Subprovince, consisting of metavolcanics in greenstone belts and associated intrusive complexes. The Huronian property is part of the Shebandowan Greenstone Belt, which is roughly 2 km southwest of the boundary between the Quetico and Wawa Subprovinces. The Superior Province, the Wawa Subprovince and the Shebandowan Greenstone Belt are described in detail in the literature (e.g. Card and Poulsen, 1998; Percival and Easton, 2007). The regional geology is illustrated in Figure 3.

7.1.1 Superior Province

The Superior Province is a major geological province comprised of Archean age rocks. It forms the core of the North American continent. In Ontario, the Superior Province makes up roughly 70% of the Canadian Shield bedrock, and is surrounded by younger Grenville and Southern Provinces to the south and southeast, which comprise the remaining 30%. The Superior Province consists of alternating granite-greenstone and metasedimetary belts in the central portion, and has been subdivided into smaller subprovinces (or terranes) based on rock type: granite-greenstone plutonic and metavolcanic rocks (Uchi, Wawa, and Abitibi subprovinces), metasedimentary rocks (English River and Quetico subprovinces), plutonic granitic rocks (Winnipeg River subprovince), and high grade greenstone rocks to the north (Kapuskasing Zone). Subprovinces are commonly fault-bounded and display contrasting lithological assemblages, metamorphic and structural styles, geophysical characteristics, and ages.

The Superior Province has been tectonically stable since ~2.5 Ga. Proterozoic and younger geological activity is limited to rifting of the margins, emplacement of several mafic dyke swarms, compressional reactivation, and large-scale rotation at ~1.9 Ga, as well as failed rifting at ~1.1 Ga. With the exception of the northwestern Superior margin that was pervasively deformed and metamorphosed at ~1.8 Ga, the craton has otherwise escaped late ductile deformation. It formed as a collage of smaller continental and oceanic plates (Card, 1990; Williams et al., 1992; Stott, 1997; Percival et al., 2004, 2006), that were stitched together between ~2.72 and 2.68 Ga. Sedimentary rocks as old as ~2.48 Ga uncomfortably overlie Superior Province granites, indicating that most erosion had occurred prior to ~2.5 Ga.

The southern portion of the Superior Province (to latitude 52˚N) is a major source of mineral wealth, hosting active gold and base metal mining camps associated with metavolcanics of the granite-greenstone belts. Owing to its potential for these and other commodities, the Superior Province continues to attract both grassroots and advanced mineral exploration.

7.1.2 Quetico Subprovince

The Quetico terrane consists dominantly of greywacke, migmatite, and granite. No stratigraphic sequence has been established within the steeply-dipping, polydeformed and variably metamorphosed sedimentary succession; however, younging directions are dominantly to the north (Percival, 1989). Depositional age constraints indicate slightly older ages for the northern Quetico (<2.698 to >2.696 Ga; Davis et al., 1990)

than for the south (<2.692 Ga; Zaleski et al., 1999). A prominent, linear, easterly aeromagnetic grain is given by alternating sedimentary units and granitic sheets. Irregular patterns in the belt's interior correspond to dominant plutonic and migmatitic units. Incomplete seismic reflection images indicate overall gently north-dipping reflectivity and crustal thickness on the order of 35 km.

Several plutonic suites cut the metasedimentary units, including early (2.696 Ga) tonalite (Davis, 1996). An early deformation event (D1) pre-dated emplacement of a chain of Alaskan- type mafic-ultramafic intrusions in the northern Quetico terrane (e.g. Pettigrew, 2004; Pettigrew and Hattori, 2006), which are associated with alkaline plutons including nepheline syenite and carbonatite. These rocks, derived from metasomatized mantle, have ages in the range 2.69 to 2.68 Ga (Lassen, 2004) and geochemical affinities with the Archean sanukitoid suite (cf. Stern et al., 1989; Stevenson et al., 1999; Lassen, 2004). Two subsequent deformation events (D2, D3) were followed by low-pressure, high-temperature metamorphism that reached upper amphibolite and local granulite facies at circa 2.67 to 2.65 Ga (Pan et al., 1994; 1998) in the central region and greenschist facies at the margins (Percival, 1989). Coeval crust-derived granitic plutons and pegmatites include circa 2.67 Ga peraluminous granite and circa 2.65 Ga biotite granite (e.g., Southwick, 1991).

Tectonic models for the Quetico terrane have favored forearc settings (e.g., Langford and Morin, 1976; Percival and Williams, 1989; Williams, 1991; Fralick et al., 2006). Depositional ages of circa 2.698 to 2.690 Ga overlap those of late arc magmatism in the Wabigoon. The dominantly sanukitoid plutons of this age may have been triggered by slab break-off, following collision between the Wawa–Abitibi terrane and the amalgamated superterrane to the north.

7.1.3 Wawa Subprovince

The Wawa Subprovince is a granite-greenstone terrane exposed in the region that extends 900 km westward from the Kapuskasing Structural Zone to the Vermilion district of Minnesota and varies in width from approximately 50 to 200 km.

Most workers accept a correlation between the Wawa and Abitibi terranes across the transverse Kapuskasing uplift structure (Percival and West, 1994), although Jackson and Sutcliffe (1990) have argued that the Kapuskasing Structural Zone coincides with an Archean boundary between the ensimatic Abitibi Subprovince and ensialic Wawa Subprovince. Within the Wawa terrane, small remnants of Mesoarchean crust occur in the form of sporadic, circa 2.92 Ga tonalitic gneiss (Moser 1994) and 2.89 to 2.88 Ga volcanic rocks of the Hawk assemblage (Turek et al., 1992). An oceanic setting is indicated by the Hemlo-Black River (2.775 Ga), Wawa (2.745 Ga) and Greenwater and Manitouwadge assemblages (2.72 Ga), the latter with significant massive sulphide mineralization (Sage et al., 1996a, 1996b; Williams et al., 1991). Polat et al. (1998, 1999) reported a variety of oceanic magma types from the Schreiber belt, and interpreted the belt as a tectonic mélange (Polat and Kerrich, 1999, 2001).

Relatively late-stage volcanism at circa 2.695 Ga took place during D1 thrusting. Subsequent calc-alkaline to alkaline magmatism (ca. 2.689 Ga Shebandowan assemblage; Corfu and Stott, 1996) and associated coarse clastic sedimentation (Timiskaming type; <2.689 Ga) was followed by emplacement of sanukitoid plutons (2.65-2.68 Ga) and dextral transpressive D2 deformation. These circa 2.685 to 2.68 Ga tectonic events were termed the Shebandowanian phase of the Kenoran Orogeny (Stott and Corfu, 1991).

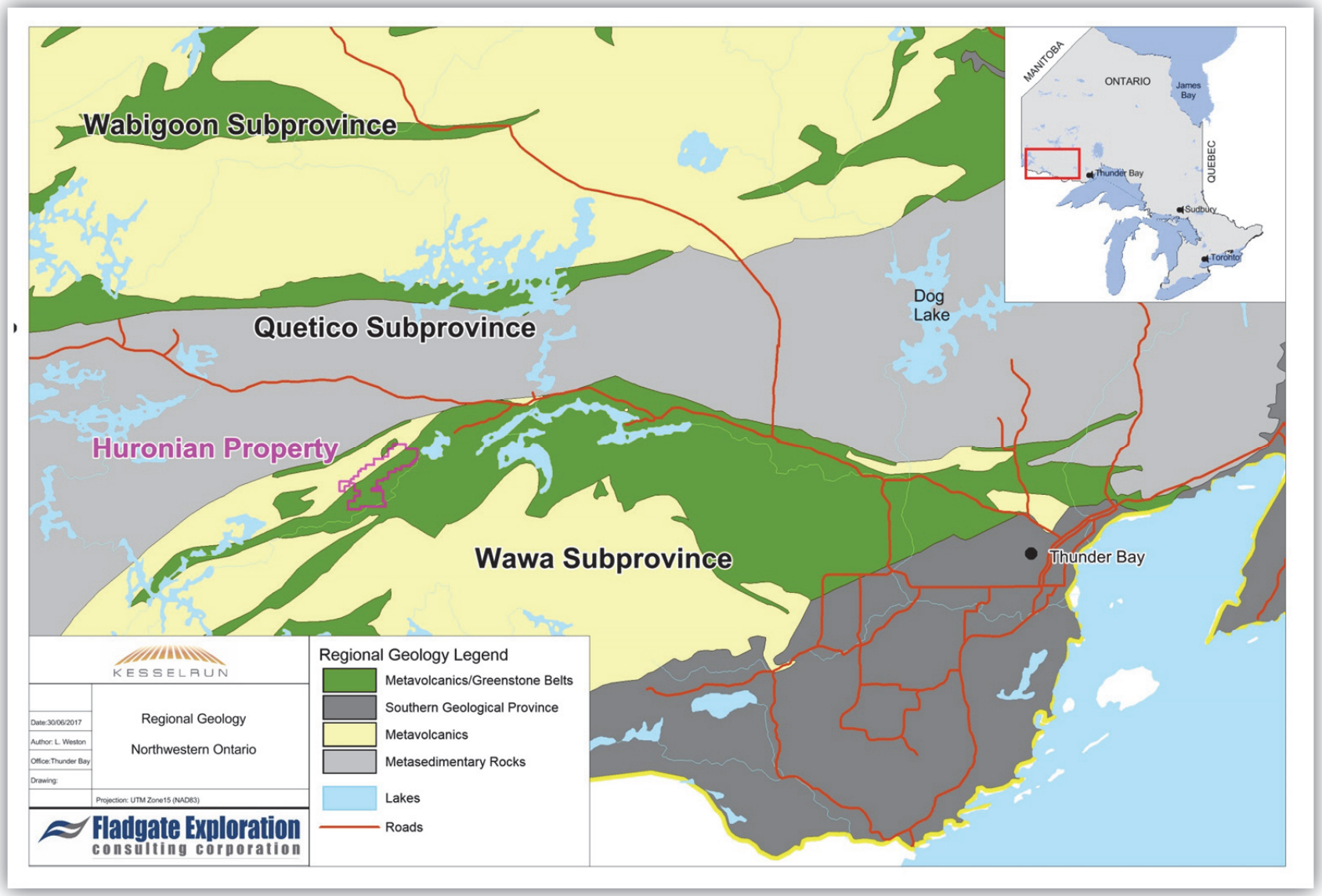

Figure 3 - Regional Geology.

To the south, Archean rocks of the Wawa Subprovince are in unconformable, intrusive, and tectonic contact with Paleoproterozoic and Mesoproterozoic supracrustal and intrusive rocks of the Southern Province and the Midcontinent Rift System. To the north, they are bounded by metasedimentary rocks of the Quetico Subprovince (Card and Poulsen, 1998).

7.2 Local Geology

The following description of the local geological setting is modified from Osmani (1993), Hunt (2000) and Risto and Breede (2010). A detailed property geology map can be found in Figure 4.

7.2.1 Moss Township Area/Huronian Property

The Moss Township area is underlain by Archean rocks of the Wawa and Quetico Terranes. The supracrustal rocks forming part of the Shebandowan Greenstone Belt (SGB) of the Wawa Terrane occur in the southeast half of the township. The SGB is composed of three mafic to intermediate metavolcanic belts, the northern belt (NMB), central belt (CMB), southern belt (SMB) and a central intermediate to felsic metavolcanic belt (CFB). The three mafic to intermediate belts mainly consist of massive and pillowed flows and fragmental rocks (pillow breccia, tuff, lapilli tuff and tuff breccia). The CFB consists of massive (fine-grained to aphanitic), porphyritic and autobrecciated flows, and other fragmental rocks (tuff, lapilli tuff, tuff and pyroclastic breccia). Ironstone units form a relatively minor but widely distributed component in the mafic to intermediate metavolcanic successions and, in some cases, they occur at the interface between the mafic and felsic metavolcanic units. The CFB is approximately 13 km long. The thickest part (2.9 km) is centered between the Snodgrass and Fountain lakes. In the south-central part of the township, the CFB is split by the central mafic metavolcanic belt (CMB). The contacts between the CFB and the mafic to intermediate metavolcanic belts are both sheared and conformable.

The region encompassing the four main lakes (Burchell, Moss Lake, Snodgrass and Fountain) is exceptionally well endowed with late tectonic hydrothermal alteration, shearing and faulting. Hunt (2000) and studies referenced therein (e.g., Osmani, 1997; Stott and Corfu, 1996) provide interpretations of the geochronologic data and the regional timing correlation between gold mineralization and the sequence of tectonic events in the SGB.

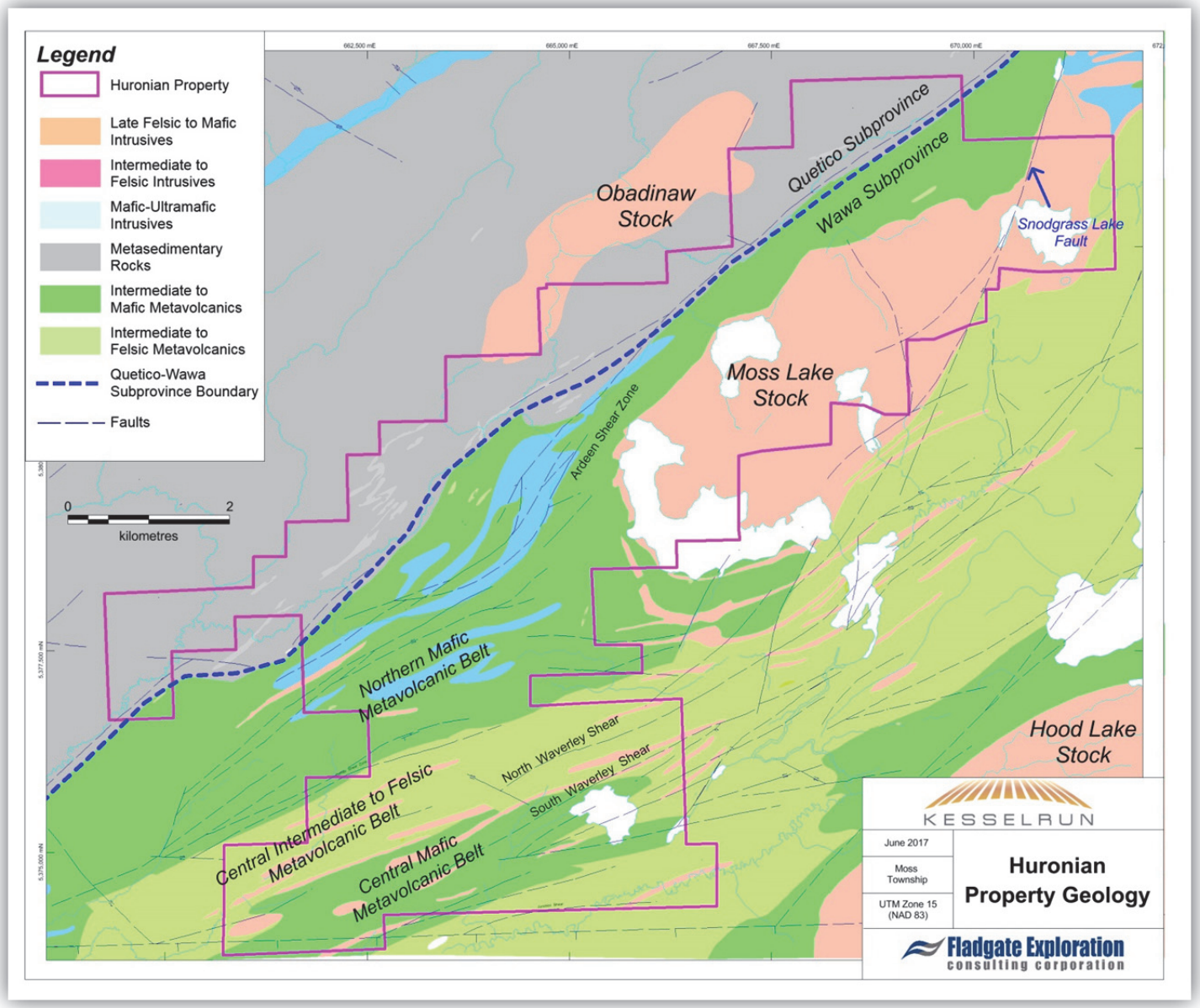

Figure 4 - Property Geology.

Metavolcanic rocks occurring along the southern portion of Moss Lake Township are interpreted by Osmani (1997) to be part of the southern mafic metavolcanic belt (SMB).

The Quetico Metasedimentary Belt (QSB), consisting of massive to thinly bedded metawacke and minor thinly bedded to finely laminated metasiltstone, occupies the northwest corner of the township. Intruding the SGB and QSB are large and small sills, dykes and stock-like bodies of gabbro, diorite and feldspar or quartz-feldspar porphyries, as well as four relatively late, composite granitoid stocks (Moss Lake, Hood Lake, Hermia Lake and Obadinaw stocks). The width of the CFB in the Snodgrass Lake area is approximately 2.5 to 3.0 km.

The regional metamorphic grade is lower greenschist facies, except near the large granitoid stocks where it reaches upper greenschist to amphibolite facies. Stratigraphic younging directions obtained from graded bedding and rare cross- bedding in the QSB and form pillowed flows, interflow metasedimentary units, and pyroclastic units within the SGB suggesting a stratigraphic younging is predominantly to the northwest. However, southeast-facing younging directions, relatively common in the QSB and less common in the SGB, suggest the presence of small- and large- scale folds in both series of rocks. Numerous isoclinal S, Z and M folds occur in both the SGB and QSB.

Several large-scale, steeply dipping, ductile to brittle shear zones striking NE to ENE and NW cut all major rock types in the area. Movement on the NE- to ENE-trending shear zones are predominantly sinistral, whereas dextral movement is generally recorded for the NW-trending faults and shear zones.

8 History of Exploration on the Property

The history of exploration and mining is divided into three parts; the history of the Ardeen mine; the exploration history of the Ardeen mine area, and the history of the Pearce Lake/Moss extension area located to the south of the mine. This information was largely compiled and summarized by Ball (2009).

8.1 History of the Ardeen Mine

1870	Two trappers, Baptiste and Douchette discover the Ardeen vein.
1871	Peter McKellar, a prospector, stakes the ground. Mining claim H1 is patented.
1872	A 57 kg test sample returned 39.77 g/t Au and 5.5 ounces Ag.
1874	Jackfish Lake Mining Company is incorporated with McKellar as superintendent.
1875	Work on the Jackfish mine is suspended due to financial difficulties.
1882	Thomas Keefer options the property and later exercises his option to purchase. Keefer forms Huronian Mining Co.
1883-85	Huronian Mining Co. develops the vein extracting and treating between 600-700 tons of ore with a 10 ton amalgamation stamp mill from a two-compartment shaft (No 1 shaft),

inclined at 80˚, that was sunk on the vein to a depth of 48.2 m with two lateral levels. Tellurides associated with the ore results in poor mill recovery causing the abandonment of operations. In the summer of 1885, a new shaft (No 3) is sunk to a depth of 18.9 m with no lateral work. A 4.5 ton sample of concentrate is said to have assayed 5.3 oz/ton.

1925-26 Shields Field Development Co. acquires the mine and later organizes Moss Mine Ltd.

1927-33 Moss Mines Ltd. resurrects the property. The company is reorganized in 1931 as Moss Gold Mines Ltd. Production begins in 1932 through the No. 2 shaft sunk down to the 750-foot level (228.6 m) with some lateral development. The company goes bankrupt and suspends operations.

1934-36 Ardeen Gold Mines Ltd., which emerges from the reorganization of Moss Mine Ltd., deepens the No. 2 shaft to the 1250-foot level (381 m), constructs a cyanide mill and continues production. In early 1935, the operation is suspended for seven months because of financial difficulties. Production is resumed, but ultimately the company declares bankruptcy and the mine closes on 10 December 1936, leaving behind 25,000 tons of ore grading 12.34 g/t Au. Since the operation ceased, the mine has never reopened.

8.2 History of the Ardeen Mine Area

1937 Erie Canadian Mines Ltd. assesses the property, both on surface and underground (plans and sections of the mine are prepared). Remaining ore is estimated at 21,985 tons at 10.79 g/t Au.

Manhattan Investment Co. acquires the asset at auction and sells it to Kerry Gold Mines Ltd., however Kerry Gold Mines is unable to raise sufficient funds to resume operations.

1938 Tanton of the Ontario Geological Survey (OGS) completes the first geological mapping of the area.

1942 Kerry Gold Mines dismantles and liquidates the plant and equipment. It is reported that the mill clean-up recovered $13,107 in gold and silver.

1957-58 Noranda Exploration Company Ltd. completed ground EM and surface mapping and trenching for base metal massive sulphides. Five diamond drill holes (309.1 m) were completed to test four EM conductors located to the northwest of the mine. Little to no assaying for gold. EM conductors attributed to graphitic schists and pyrrhotite.

1965-66 Cominco Ltd. undertook an airborne magnetic and EM survey and completed two diamond drill holes in the northern part of the project.

1968-72 Belore Mines Ltd. takes an option on the property held by Kerry Gold Mines and completes geological mapping as well as ground magnetic, EM and VLF geophysical surveys. Consultant to Belore assesses remaining ore underground as 4,485 tons

averaging 6.12 g/t Au. Belore Mines Ltd. completes 5 diamond drill holes (419.7 m) during 1971 intersecting a number of high-grade mineralized intervals in the vicinity of the Fisher zone, including 1.74 m of 38.4 g/t Au and 1.74 m of 19.2 g/t Au (Hole 71-3), and 3.65 m of 41.31 g/t Au (Hole 71-5). An additional 7 holes were completed in 1972, with a best assay of 0.6 m @ 22.62 g/t Au (Hole 72-2), however the locations of two holes were not reported.

1970 Moss Lake Township mapped by Harris of the OGS.

1973 Belore Mines Ltd. purchases the mine from Kerry Gold Mines and incorporated Huronian Mines Ltd. to explore the property as a 50-50 JV (BHM).

1973-74 Dome Exploration (Canada) Ltd. optioned the project from BHM and completed geological mapping, sampling, gridding and 17 diamond drill holes (1,697 m) mainly to the east of the No. 2 shaft in the vicinity of the Fisher zone. A number of narrow Au intervals were reported with a best result of 0.36 m of 23.01 g/t Au (Hole D69-8). A ground magnetic and ground EM survey was undertaken on a further claim group to the northeast with 2 diamond drill holes completed (186.5 m), but these holes were not analyzed.

1973-74 Lynx-Canada Exploration and Fort Reliance Minerals (50-50 JV) option the claims covering the Minoletti zone and completed ground magnetics and EM and sampling of the Minoletti trenches. Sampling records a best assay of 25.37 g/t Au over 0.91 m. The JV drops their option.

1975 Troilus Mines Ltd. optioned the Minoletti zone claims and complete ground magnetic and airborne EM surveys before withdrawing.

Nichro Mines Ltd. complete 2 diamond drill holes to the north of the Ardeen mine, but the holes are not assayed.

The Ontario government notifies BHM of its intent to acquire the properties for a recreational park reserve. On this basis, Dome Exploration drops its option. By October, the government has purchased all of BHM's patented property rights except the mineral rights on claims 1H (Ardeen mine) and 33B and the surface rights on a small track covering the old mine shafts and dumps on 1H.

1976 Mill tailings optioned by Hermiston Ltd. but option terminated.

1978 Camflo Mines Ltd. optioned claim 1H but terminated the option with no work completed.

1980 Lancana Mining Corp. sampled mill tailings on 1H.

1982 As the Ontario government had not proceeded with converting the acquired area into a park, BHM applied for and obtained exploration rights beyond the patented leases. The

new leases include 2H (south of 33B, 4H (west of 2H) and the west half of 27B (south of 4H). All areas outside of these claims were still inaccessible.

1984 Cumberland Resources Ltd. undertook a soil survey north of the northern end of Moss Lake. A low-level Au anomaly was delineated from this work.

1986 Matt Berry Mines Ltd. and BHM form JV to explore Ardeen mine area and two non-contiguous claim groups.

1986-87 Detailed mapping of Ardeen mine area by Lesley Chorlton of the OGS.

1987 Revaluation of the Ardeen mine by consultant to Matt Berry Mines. Matt Berry Mines completed aerial photography, gridding, ground magnetics and VLF EM surveys and drilled 18 holes for 4,422.6 m. This drilling mainly targeted the former Ardeen mine, and the Minoletti and Beaver zones. Holes were only partially sampled, with a best result recorded of 1.3 m of 37.7 g/t Au (Hole MB87-17) to the south of the mine. Following the 1987 stock market crash, the JV was terminated.

1988 Rainbow Lake Resources Inc. completed geological mapping, trenching, ground magnetic, VLF-EM and IP surveys and 7 diamond drill holes (1,513 m) within a claim block to the west of Rainbow Lake. It is apparent that most of the holes were not assayed.

Noranda Exploration Company Ltd. completed a regional airborne EM survey (2,620 line km) using the Dighem III system.

1988-89 International Geoventures (IG) Ltd. acquired a property with a gossan exposed over 152 m with Quetico sedimentary rocks 1.2 km northwest of the Ardeen mine, and later acquires the Ardeen mine from BHM.

Noranda options both properties and undertakes trenching, rock and humus sampling, detailed geological mapping and ground magnetic and IP surveys on the Quetico project and mapping and rock sampling at Ardeen. The option is terminated in 1989.

1990 Landore Exploration optioned both IG properties and completed 10 diamond drill holes (1,243.3 m). Five holes tested the gossanous zone on the Quetico property and the remaining 5 were drilled at Ardeen. The best results from this drilling were 1.52 m of 11.32 g/t Au (Hole LM 90-7) and 22.2 m of 1.04 g/t Au (Hole LM 90-8). Landore dropped the option as they were unable to make a cash payment to maintain their interest.

The Ontario government who was still holding land other than the existing patented claims drops its plan for a provincial park reserve and allows claim staking. Upon this, Gold Fields Canadian Mining Company (Gold Fields) staked the ground around the Ardeen Mine. Gold Fields completed airborne magnetic and ground VLF EM surveys.

1990-91 Aerodat regional airborne magnetic and EM survey over the Shebandowan Greenstone Belt for the Ministry of Northern Development and Mines (MNDM).

1991 Akiko-Lori Gold Resources Ltd. (Akiko-Lori) optioned the Gold Fields claims. Nelson W. Baker Geological Services on behalf of Akiko-Lori completed geological mapping, sampling and mechanical stripping resulting in the discovery of 6 new Au occurrences, including the Fisher zone. The Fisher zone records an average of 20.91 g/t Au over 1.55 m from an exposed strike of 22.86 m.

Osmani conducts regional mapping of Moss Township for the OGS.

1992 Baker for Akiko-Lori conducted follow-up geological mapping and sampling, soil sampling and completed 5 diamond drill holes (308.2 m), with 2 holes drilled at the Fisher zone and 3holes at McKellar. The best intercept recorded was 4.87 m of 5.14 g/t Au at Fisher (Hole ML-92-04). A new occurrence called the Post zone is outlined about 800 m southwest of the Ardeen mine recording 8.22 g/t Au over 1.67 m.

1993 A group of prospectors (Dave Petrunka, Costy Bumbu and Jim Martin – Bumbu Consortium) dispute Gold Fields' right to their claims. After protracted litigation, the prospectors gain title to the claims.

1993-94 BHM sells the Ardeen Mine to 1013968 Ontario Ltd., the company of prospector Ted Aho who completed prospecting and sampling using Ovalbay Geological Services Inc.

1994 The Bumbu Consortium using an Ontario Prospectors Assistance Program (OPAP) grant contracted Ovalbay Geological Services Inc. to undertake sampling, mechanical stripping and trenching.

Prospector Eino Ranta optioned the project from the Bumbu Consortium. Ovalbay and Ranta completed sampling, geological mapping and drilled 5 holes (222.2 m). Best results from this program were 3.81 m of 21.05 g/t Au at Fisher (PRM-94-01). Further sampling at the Post zone returned an average of 40.26 g/t Au from 7 grab samples.

1995-96 Aho using an OPAP grant and Ovalbay as a contractor completed 7 diamond drill holes (312.3 m) at the Beaver zone with only minor Au anomalies recorded. Additonal stripping, trenching and sampling was undertaken in 1996.

1996 Pele Mountain Resources Inc. optioned the claims held by the Bumbu consortium, as well as the Ardeen mine from Aho. The first exploration was undertaken in November on the original 40-claim group, with the first phase of diamond drilling completed in the same year.

1997-2003 Pele completed a number of comprehensive exploration programs on the project almost exclusively in the period of 1997 to 1998. This included ground magnetic, VLF EM and IP surveys, detailed till and rock sampling, geological mapping and mechanical stripping and trenching (7-8,000 m). Structural mapping was also undertaken by Etheridge Henley Williams (now part of SRK Consulting). A total of 153 diamond drill holes (13,486.35 m) were completed by Pele on more than 8 zones or prospects.

In 1998, a non-JORC compliant resource was calculated for the project from five zones by Minescape Exploration Inc.

1999 The OGS completed a regional till survey analyzing for Au and multi-elements in the western Shebandowan Greenstone Belt (Bajc, 2000). One sample 800 m west of the Ardeen Mine returned 316 native gold grains in a 10 kg till sample, of which 76% were pristine. This anomaly has had no follow up.

2004 MacDonald (2004) completed the first compilation of all geological data and targeting review since the termination of exploration in the 1970s. This work resulted in the first digital drill collar file for the project.

2004 Goldcorp Inc. acquired an option over the Ardeen project following generative work by Pryslak (2004) who recognized characteristics consistent with an alkalic porphyry-related Au system. Goldcorp constructed the first drill hole database for the project and undertook limited resampling of historic holes. A total of 8 diamond drill holes were completed (2,951 m) at six target areas, with 3 deep holes targeting the Ardeen / Fisher area. All holes intersected mineralization, but the results did not meet the corporate objectives and hence the option was terminated.

2009-2010 Coventry Resources completed two drill programs for a total of 70 holes (7,845 m), and re-logged an additional 62 historic holes (6,633 m). Drilling was largely focused on the McKellar and Fisher prospects. A till and humus sampling program covered the northern half of the current property, with a total of 442 samples collected and analyzed by fire assay and ICP-MS on a 200m x 200m grid. The sampling program identified significant, broad gold anomalies along the Border Zone. Coventry also completed a small syenite sampling program in an attempt to locate REE mineralization within the Moss Lake syenite. The Moss Lake syenite has REE values fairly typical of syenites.

8.3 History of the Pearce Lake/Moss extension (south of the Ardeen mine)

1965-66 Cominco Ltd. undertook an airborne magnetic and EM survey and completed 3 diamond drill holes (205.2 m) within the project area.

1977 Amoco Canada Petroleum Co. Ltd. completed 2 diamond drill holes (265.8 m) to the east of Gold Lake intersecting graphitic/pyrite schist. No sampling undertaken.

1984-85 Kennco Exploration (Canada) Ltd. explored two wholly-owned claim blocks as well as optioned an additional block from Wawiag Resources Ltd., and completed geological mapping, trenching, rock and humus sampling, ground magnetic and EM surveys.

1987-88 Grand Portage Resources Ltd. optioned the Kennco ground and completed trenching and sampling and 16 diamond drill holes (1,715.3 m). The highest assay recorded was 10 m of 1.44 g/t Au (Hole GP-88-15) located on the South Waverley Shear. No follow up of this is recorded.

1988 Noranda Exploration Company Ltd. completed a regional airborne EM survey (2,620 line km) using the Dighem III system.

1989-90 Noranda optioned and the Grand Portage and Wawiag properties and completed geological mapping, a reconnaissance IP survey, trenching and humus and rock sampling. Two diamond drillholes forming part of larger program were completed.

2005 East West Resource Corp. and Maple Minerals Corp. acquired an option over the project as part of an exploration program on adjoining properties. The East West/Maple JV completed a 100 m line-spaced VTEM survey over the project to detect massive sulphide mineralisation. A total of 13 diamond drill holes (2,046 m) were completed on EM anomalies in the Pearce Lake area and to the west of Ardeen in rocks of the Quetico Subprovince. Limited Au anomalies was reported. PEL05-2 intercepted 1.2 g/t Au over 13 m, including 5.2 g/t Au and 97 g/t Ag over 1 m.

9 Current Program

9.1 Rationale for the 2016 Program

Numerous historical exploration programs have been conducted on the Huronian Property, mainly focusing on the area immediately surrounding the historic Ardeen Mine, and therefore limited in scope. There has been no property-scale detailed mapping program carried out focused on the structural controls on gold mineralization, nor the associated alteration.

The southern portion of the Huronian property hosts the strike extent of the rock types hosting the Moss Lake Gold Deposit (NR February 20, 2013 Moss Lake Gold Mines – now a subsidiary of Wesdome Gold). The Moss Lake Gold Deposit has a NI 43-101 compliant resource estimate of ~1.4 Moz Au @ 1.1 g/t in the *Indicated* category and ~1.7 Moz Au @ 1.1 g/t in the *Inferred* category. Despite being highly prospective, the southern portion of the Huronian Property has not seen any systematic exploration.

An exploration program was therefore undertaken consisting of a) prospecting and grab sampling, along with locating historic collars, trenches, and showings, b) mechanized stripping and channel sampling, and c) structural mapping and interpretation. Due to the short season available for this work, efforts were concentrated on the highly prospective southern portion of the property.

9.2 Prospecting and Grab Sampling

Prospecting activities largely focused in the southern portion of the claims, with limited work conducted near the historic mine and the Moss Lake intrusion. Historic showings were validated, and areas with higher potential for new discoveries were invesitgated. Many grab samples were taken during the Fall program. Data such as lithology, alteration, structure, and overall rock description were collected for each sample where possible. Samples were then analysed for Au and other elements (see below).

9.3 Mechanized Stripping and Channel Sampling

The trenching program largely focused on exposing the known occurrences along the Ardeen trend in order to better understand the structural controls on mineralization. Channels were marked out along each trench, and cut using methods described below. Roughly 60% of the samples were chipped out in the fall of 2016, with the remainder chipped out in the spring of 2017.

9.4 Structural Measurements and Interpretation

The exposed trenches were examined in detail by a Senior Geologist in order to better understand the structural controls on mineralization. A complete report including the rationale, methods, and structural interpretation is presented in Appendix IV.

10 Sampling and Analytical Methods

10.1 Grab Sampling Methods

Grab samples were collected by breaking off a representative sample using a hammer, writing the corresponding sample number from the booklet onto the sample bag, putting a fist-sized sample in the bag, inserting the tag into the bag, taking an outcrop picture with the sample number on the scalebar, and finally taking an outcrop picture and texture picture with the field camera. Data such as lithology, alteration, and structural measurements, along with a complete description were collected where possible. Using flagging tape, the location of the sample was marked on the ground and in a tree above, in order to be able to find it again. Grabs in their sample bags were combined into rice bags and transported by Fladgate personnel to Accurassay Labs in Thunder Bay and analyzed for Au using the following codes: ALP1 (prep), ALFA2 (fire assay 50 g), ALFA7 (gravimetric; if needed), and for Ag using ALMA1 (ICP-AES). No QA/QC samples were inserted into the analytical stream. Pulps are securely stored at Fladgate Exploration in Thunder Bay.

10.2 Channel Sample Preparation, Analytical Methods, and QA/QC

Channels were marked on outcrops using spray paint and measuring tape, chosen to represent all lithologies, and both altered and unaltered rocks. Two parallel lines were cut in the outcrop roughly 1.5” apart and 3” deep, between 30 cm and 1.3 m in length, using a Stihl TS/700 concrete cut-off saw. Samples were chipped out of the channel using a chisel and 5 lb hammer, and sampled roughly every meter, with samples chosen to represent changes in lithology rather than sampling on a discrete grid. Aluminum sample tags were inserted into the channel corresponding to samples taken, and the entire sample length was sampled. The lab sample tag corresponding to the field tag was placed into the sample bag and secured with a zip tie. The outside of the sample bag was also labeled with the sample number.

Samples were transported from site by Fladgate personnel and delivered directly to the analytical laboratory. Accurassay Laboratories analysed the channel samples collected in 2016, while Activation

Laboratories (Actlabs) analysed samples collected in 2017. A change in lab was necessary due to Accurassay closing down. The prep and analytical facilities of both labs are located in Thunder Bay, Ontario. Gold was analysed by taking a 50 g pulverized sample through fire assay (FA) and atomic absorption finish (AAS) with a detection limit of 5 ppb. A complimentary Ag analysis was performed using a 0.25 g split digested with aqua regia and ICP-AES (or ICP-OES at Actlabs) finish with a detection limit of 0.2 ppm.

A QA/QC protocol was applied to this sampling program in order to ensure accuracy and reproducibility. Independent of the assay lab, gold-bearing standards and blanks were inserted every 20th sample into the sample stream using the same numbering sequence, alternating between standard and blank. The standards were inserted in a rotation of high, medium, and low concentration. Certified reference materials (CRMs) were purchased by Fladgate Exploration from Geostats Australia. Blank material was barren granite from the Nelson Granite quarry, near Vermillion Bay, Ontario, which was inserted into the sample stream as rock chunks. Pulps are stored at Fladgate Exploration in Thunder Bay.

11 Results

11.1 Prospecting

A total of **208** grab samples were collected across the Huronian Property during the 2016 field season. Samples were analysed for Au and Ag using the above mentioned analytical techniques at Accurassay Labs in Thunder Bay, ON. Sample coordinates, type, lithology, mineralization, and structural details are presented in Table 9 (Appendix I), along with Au and Ag assay values. Highlights of the prospecting program are presented in Table 3 below. The locations of all grab samples taken during the 2016 field season are illustrated in Figure 5 below, with the samples included in Table 9 labeled. Assay certificates corresponding to the prospecting samples can be found in Appendix V.

Several highly anomalous gold-bearing samples were identified during the prospecting program in the southern part of the Huronian property and along the Quetico-Wawa Subprovince boundary. Sample 330659 from the “Leo Zone” returned 5.1 g/t Au and 23 g/t Ag within a galena-pyrite-chalcopyrite mineralized quartz-ankerite vein. Other grab samples taken near the “Leo 2” trench (330689, 330691, and 330688) returned values of 6.8, 6.1, and 5.7 g/t Au, respectively, and were associated with Ag-Cu-Pb-Zn mineralization. The vein is hosted along the contact between a highly ankerite-hematite-epidote-silica-sericite altered intermediate-mafic dyke and felsic volcanics with local patchy fuchsite. The style of mineralization and alteration observed is similar to the historic “Middle Zone” located ~300 m SW, which historically returned up to 1.44 g/t Au over 10 m (DDH GP-88-15). The Leo Zone is base-metal-rich with a Au:Ag ratio of ~1:7, similar to the Ardeen mine. This showing was subsequently stripped, washed, channel sampled, and mapped in order to more fully study its potential (see results in the next section).

Table 3 - Prospecting highlights from new showings only.

Sample ID	Au (g/t)	Easting	Northing	Notes
330689	6.868	663051	5374683	51 g/t Ag, 0.25% Cu, 0.46% Pb
330691	6.110	663055	5374684	38 g/t Ag, 0.14% Cu, 0.96% Pb, 0.19% Zn
330687	5.807	662654	5374186	Large angular boulder (+200lbs)
330688	5.705	663048	5374682	32 g/t Ag, 0.05% Cu, 0.91% Pb
330659	5.099	663035	5374688	23 g/t Ag, 0.3% Pb
330658	2.210	663035	5374688	
330657	2.166	663057	5374789	Syenite
330711	1.757	663068	5374719	
330673	1.692	663044	5374688	9 g/t Ag
330669	1.273	661656	5378027	Small float (1-2 lbs.)
330680	0.808	663091	5377173	Along cliff parallel to and south of Ardeen trend
330637	0.570	665329	5375240	0.58% Cu, local float
330524	0.517	663707	5378457	Hosted in gabbro west of Ardeen Mine
330661	0.439	663002	5374701	
330513	0.391	663022	5377545	South of historic Beaver trench
330607	0.379	663808	5380233	64 g/t Ag, elevated Bi-Mo-Pb
330674	0.367	665213	5375090	
330672	0.268	663044	5374688	
330686	0.245	663652	5380080	28 g/t Ag, 0.14% Mo, 0.12% Pb
330604	0.134	663519	5380196	Elevated Cu-V

The program identified a few broad, possibly distinct mineralization trends. Gold within the southern portion of the claim appears to be related to galena-chalcopyrite-mineralized NE-trending, quartz-ankerite veins within sericite-hematite-carbonate-silica-altered intermediate-felsic volcanics and intermediate intrusive units. This is evident within the Leo showing and the area of Pearce Lake. This is similar in mineralization, grade, and alteration to that of the Moss Lake gold deposit which is ~3.5 km northeast along strike from the property boundary.

Numerous, highly anomalous gold results were returned from the NW portion of the property which is coincident with the interpreted subprovince boundary. Although no economic grades of gold mineralization has been discovered to date, the area presents a high priority target with broad, historic gold in soil anomalies. Here, the gold appears to be associated with narrow syenite dikes hosted within well-bedded clastic sediments. Alteration is limited and samples have returned a significantly different chemistry then other mineralized samples found elsewhere on the property suggesting a different source (e.g. rich in Ag, Bi, and Mo).

Only limited prospecting was completed on the main Ardeen trend which is host to mafic volcanics, oxide facies iron formation, massive gabbro and plagioclase porphyritic intermediate intrusive rocks. Mineralization within the Ardeen mine trend appears to be multi-episodic with early NE-trending quartz-carbonate-pyrite veins/flooding cut by NNE-trending galena-chalcopyrite-pyrite-bearing quartz veins. Newly-discovered carbonate-altered mafics to the north of the mine returned 0.5 g/t Au. Other noteworthy samples include 330680 taken from a prominent parallel structure south of the Ardeen trend containing 0.8 g/t Au, and sample 330513 collected just south of the historic Beaver trench (western extension of the Ardeen trend) containing 391 ppb Au.

Limited grab samples were also collected from historic showings to confirm gold values and to better understand mineralizing systems on the property. Historic zones were located using original assessment maps which were oriented on cut grids no longer recognizable in the field. Resampling has confirmed the presence of gold in all the investigated zones, however, values were generally lower than reported. This may be caused by inaccurate maps and further work may be required to properly establish the location of each showing.

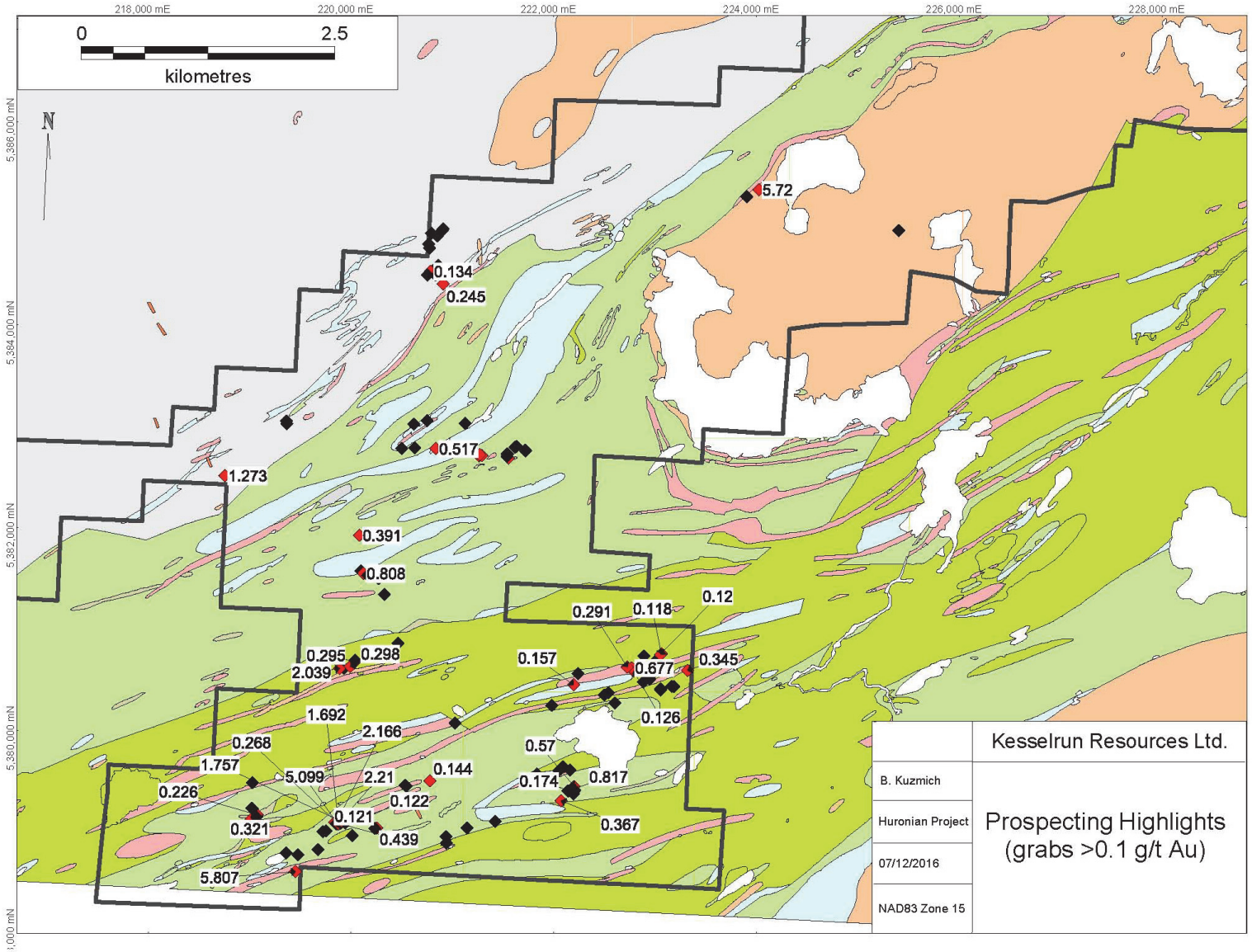

Figure 5 – Location of all prospecting samples (diamonds) showing highlights from new showings returning >0.1 g/t Au (red).

11.2 Mechanized Stripping

A summary of the mechanized stripping program is presented in Table 4. Due to time constraints and poor weather, only about 60% of the area was channel-sampled in 2016, with most of the remainder being sampled in the 2017 field season. Collar coordinates for the channels as well as total channel lengths are presented in Table 10 (Appendix II). A total of 602 channel samples were collected from 6 trenches.

Table 4 – Summary of Channel Samples.

Trench	No. of Channels Samples	Claim/Patent Number
McKellar	184	1H, 1172349
Fisher	217	1H, 1172365
Matt Berry	30	1H
Leo 2	113	786525
Leo 3	38	786525
Leo 4	20	786525
Total	**602**	

Results of Au and Ag analyses from the channel samples are tabulated in Table 11 (Appendix III). Assay certificates for these analyses are in Appendix V. All certified reference materials (CRMs) inserted into the sample stream were within 3 standard deviations of the accepted values. Three blank analyses returned non-zero values, attributed to a small bleed-through during one part of the sample preparation or instrument washing between analyses. All other blanks returned values below detection (<0.005 ppm).

Channel samples confirm the presence of gold-silver mineralization on the Huronian property (highlights presented in Table 5 below). Mineralization was observed within high grade, narrow (<1m) quartz-pyrite-chalcopyrite-galena veins with shoulders of highly anomalous/lower grade 'alteration halo' material (~0.1 to 0.5 g/t) consisting of pyrite-mineralized ± chlorite ± ankerite ± silica ± sericite ± calcite. Although mineralized zones appeared 'nuggetty' and estimating gold grades was difficult from outcrop alone, the structures and alteration that control these mineralizaed zones could be traced along surface.

Table 5 - Channel sampling highlights.

Trench	Channel ID	Highlights
Fisher	FC14	1.3m @ 17.6 g/t Au, 53.1 g/t Ag
Fisher	FC20	2.5m @ 1.6 g/t Au, 13.4 g/t Ag
Fisher	FC34	2.0m @ 10.7 g/t Au, 40.2 g/t Ag
Fisher	FC35	0.5m @ 34 g/t Au, 22 g/t Ag
McKellar	M11	2.1m @ 2.6 g/t Au, 11.8 g/t Ag
McKellar	M13	2.1m @ 3.5 g/t Au, 34.7 g/t Ag
Leo 2	Leo_2_8-9	6.1m @ 1.0 g/t Au, 6 g/t Ag
		-Including 2.3m @ 2.25 g/t Au, 15 g/t Ag
Leo 2	Leo_2_11	1.2m @ 4.4 g/t Au, 39 g/t Ag

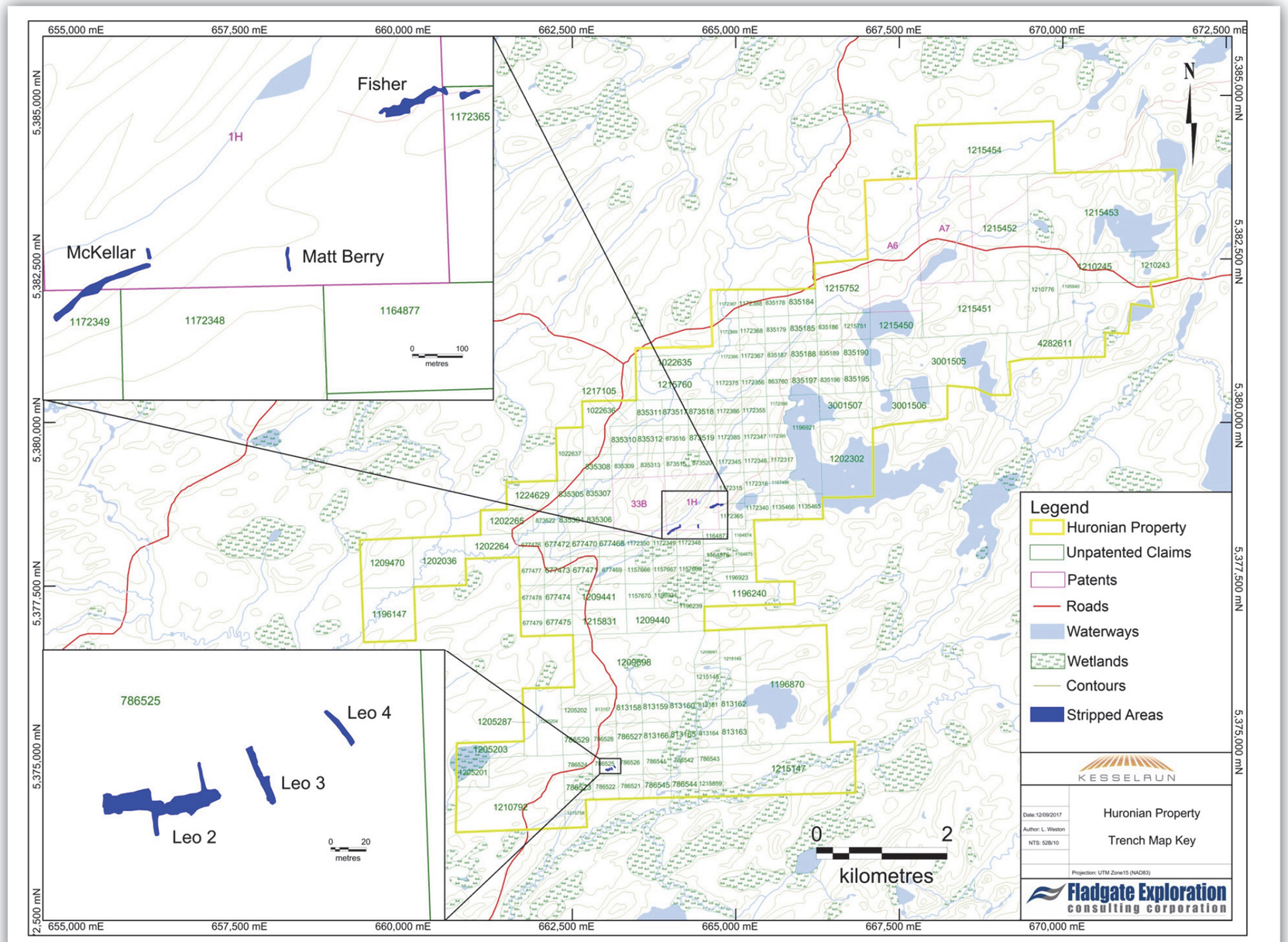

Figure 6 – Index Map of the stripped trenches on the Huronian Property.

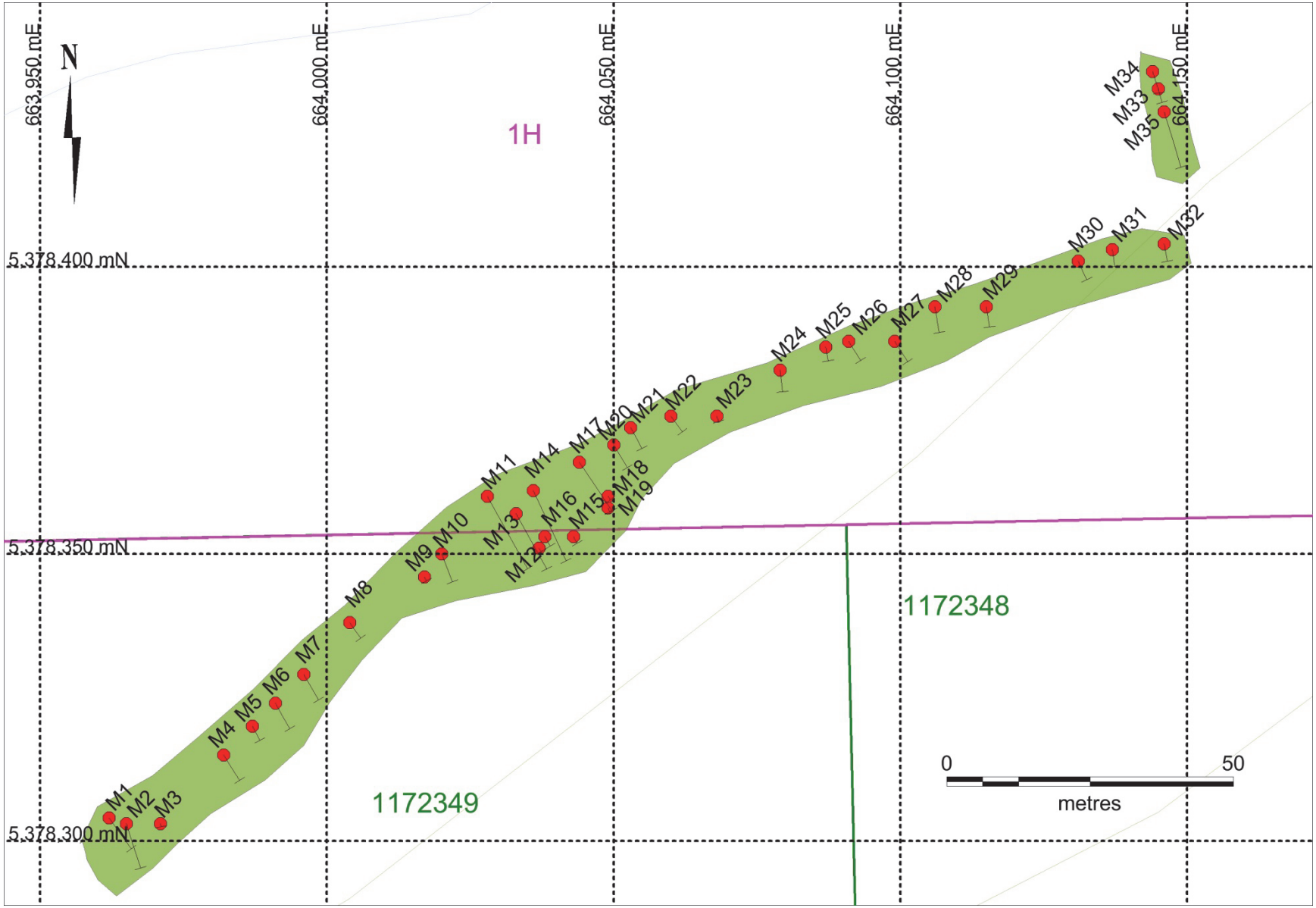

Figure 7 - McKellar Trench.

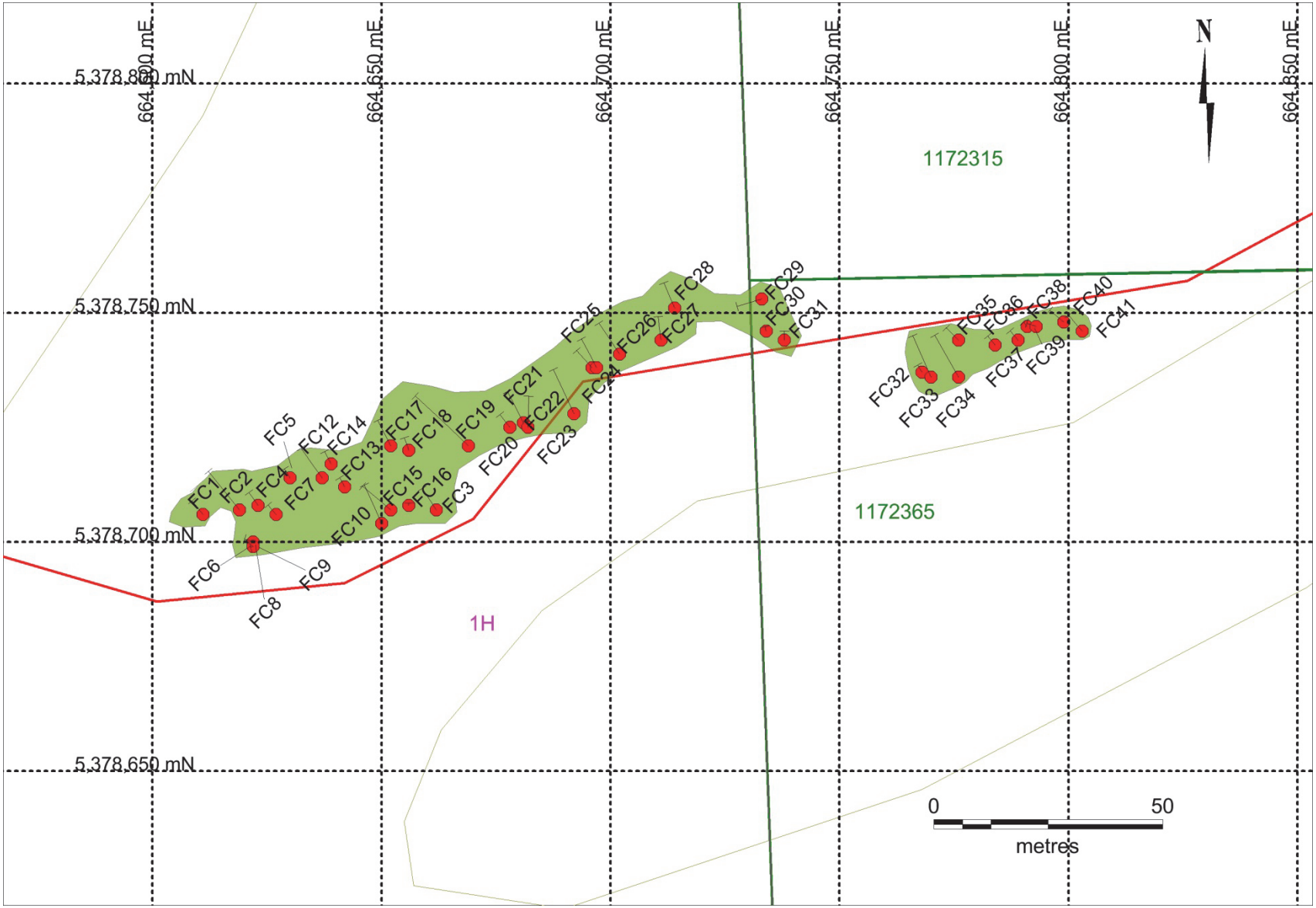

Figure 8 - Fisher trench.

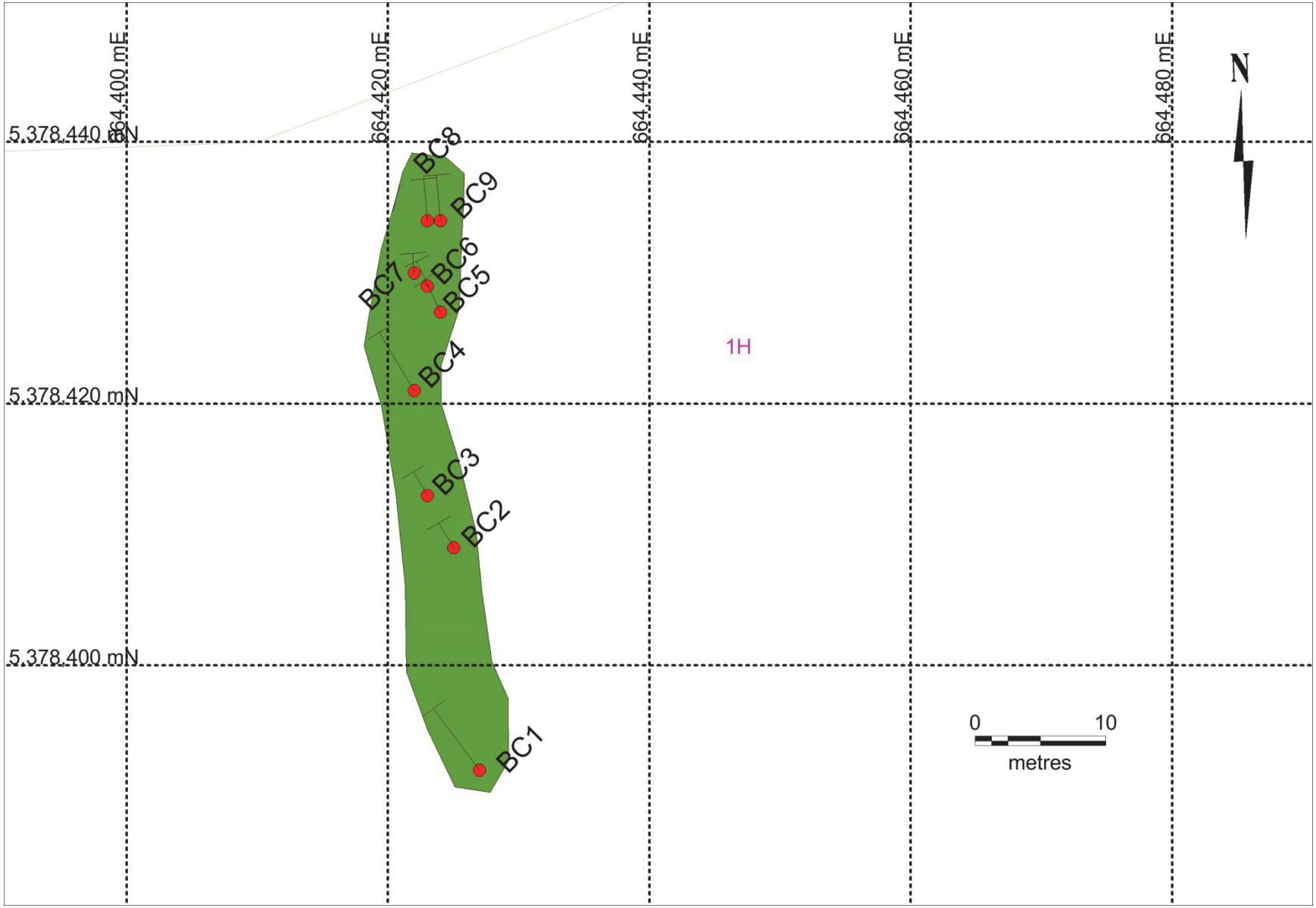

Figure 9 - Matt Berry trench.

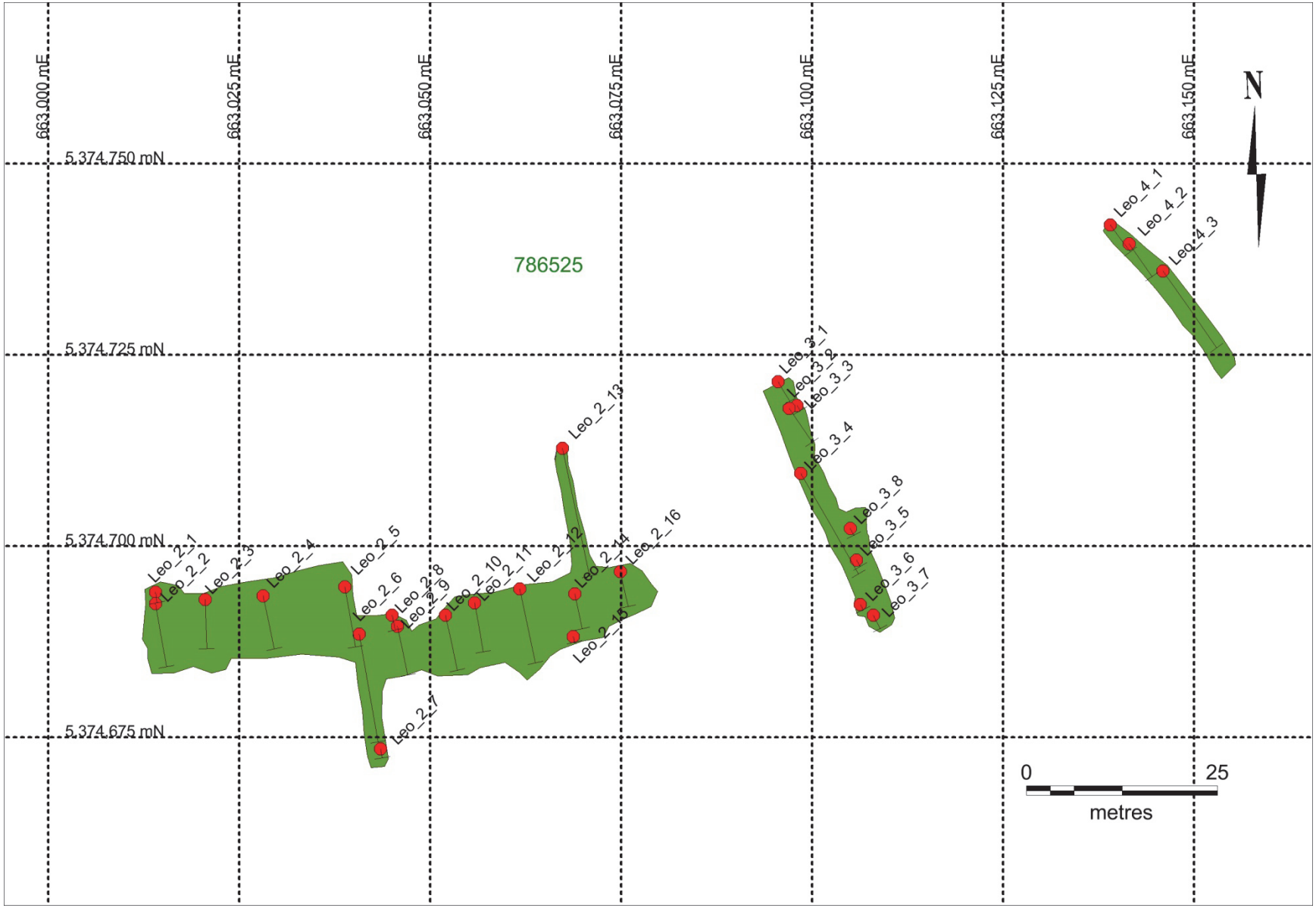

Figure 10 - Leo trenches 2, 3, and 4.

12 Interpretation and Conclusions

The program was successful in confirming historic results and demonstrating that the property holds potential for further discoveries. Three broad mineralization trends have been delineated on the property to date, all of which require further field work to evaluate the potential for minable deposits (Figure 11).

The Boundary, or Northern trend has a significant, very board gold in soil anomaly which directly overlies the interpreted Quetico-Abitibi subprovince boundary. Prospecting from this program has outlined narrow quartz-galena-pyrite-fluorite veins associated with the contacts of thin syenitic dikes intruding clastic sediments. Assay results were characterized by very low Au:Ag ratios (<1:100), elevated Bi-Mo-Pb, and were very narrow in nature, however, prospecting efforts were hampered by thick sandy overburden and gentle rolling hills, potentially covering economic mineralization.

The Ardeen, or Central trend hosts the historic Ardeen mine, McKellar Pits, and Fisher zone which have historically been the main focus of exploration on the property. The area is characterized by pronounced rocky northeast trending cliffs composed of mafic to intermediate volcanics, gabbro, and minor chemical sedimentary rocks. These topographic features are interpreted to reflect a series of major sinistral fault sets resulting in a possible duplex structure. Mineralization is characterized by early quartz-carbonate-pyrite veins which have been boudinaged and cut by later quartz-galena-chalcopyrite- pyrite mineralized veins trending NNE. Records from the Ardeen mine are incomplete, but report the presence of native gold, tellurides and sphalerite being important mineral constituents which have been confirmed visually within the mine waste piles. The historic Fisher and McKellar zones were re-stripped in this program and channel sampled. Results are incomplete and detailed geologic mapping has not begun, however, encouraging results were returned. The Matt Berry trench was stripped based on the presence of thick oxide-facies iron formation, being a favorable lithological trap for gold mineralization (such as the Fisher). No results have been returned for the Matt Berry trench.

The Moss Lake, or Southern trend is interpreted to represent the southwestern strike extension of the past producing Moss Lake Deposit (formally known as the Snodgrass mine). The area is interpreted to represent a large NE trending folded sequence with a mafic to intermediate core, and an outer felsic to intermediate rim. The volcanic packages have been intruded by early gabbros and later feldspar porphyritic intermediate intrusives which locally host Au-Cu mineralization (e.g., Moss Lake). The Moss trend has several known historic occurrences within our claim boundary (West, Middle, Peace Lake North, Peace Lake South, and the corner zones). This program has uncovered the Leo zone with grab samples up to 6.8 g/t Au, 51 g/t Ag, 0.25% Cu (Sample 330689), and channel samples returning 4.4 g/t Au, 39 g/t Ag over 1.2m. Mineralization along this trend has similar Au:Ag ratios as the Ardeen mine (~1:7) and base metal mineralization (Cu-Pb-Zn), however, the lithologies and alterations are more similar to the Moss Lake mine making this an interesting area for exploration. The discovery of the Leo zone demonstrates that potential exists to find new occurrences along this trend and that a Moss Lake analog may occur within the claim boundaries.

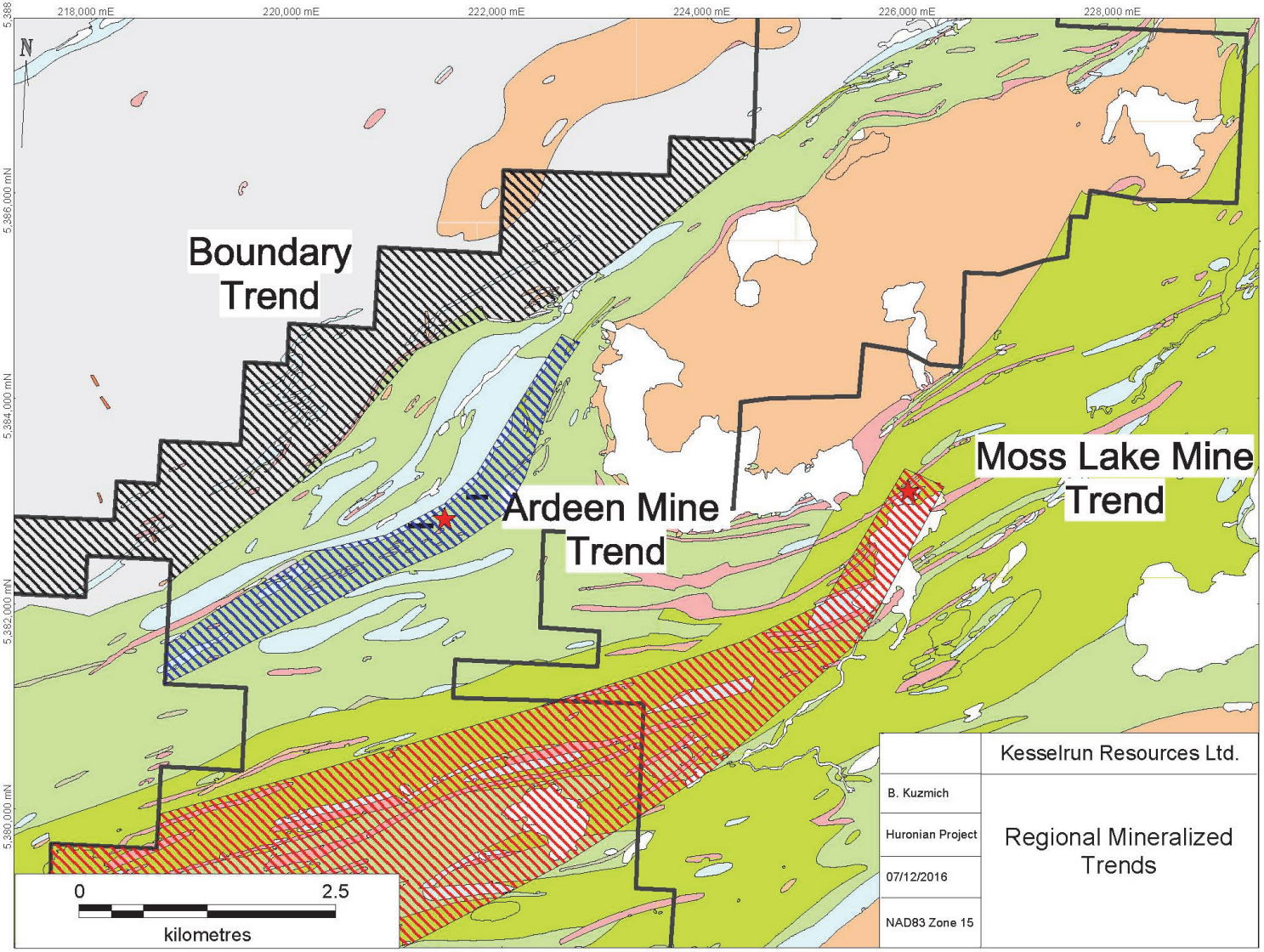

Figure 11 - Regional mineralization trends.

13 Recommendations

Future work on the Huronian property should commence with a complete digitization and validation of all historic work over the winter months. It would be invaluable to produce a 3 dimensional model for the Ardeen mine using available data (i.e., drill holes, mine plans, current trenching program, etc.). An accurate model would potentially aid in outlining ore shoots which would greatly increase the success rate of future drill programs. Digitizing data would also benefit prospecting/mapping efforts with the use of historic alteration maps, geophysical surveys, grab samples and trenches.

Upon completion of a digitized dataset for the property, a spring/summer field program is recommended with the focus of better understanding the Ardeen mine trend and to finish the channel sampling/mapping of the 2016 program. This would include, but not limited to very detailed structure and lithology mapping and sampling.

It is also recommended that the Moss Trend be followed up with a prospecting/mapping program along with a re-examination of all historic occurrences along the trend to properly evaluate the potential. The results from such a program will then be compiled and 'big picture' mineralized trends will outline future targets.

14 Statement of Expenditures

Table 6 - 2016 Huronian Property Exploration Expenditures.

Personnel					
Date From	**Date To**	**Description**	**Rate**	**Units**	**Cost**
Sept 6, 2016	Jan 30, 2017	Senior Geologist (N. Pettigrew)	$800/day	22 days	$17,600
Sept 6, 2016	Nov 3, 2017	Senior Geologist (L. Weston)	$800/day	16 days	$12,800
Jan 10, 2017	Jun 30, 2017	Project Manager (S. Greiner)	$600/day	42 days	$25,200
Sept 6, 2016	Dec 5, 2016	Project Manager (J. Koroscil)	$600/day	10 days	$6,000
Sept 6, 2016	Dec 20, 2016	Project Manager (B. Kuzmich)	$600/day	94 days	$56,400
Sept 6, 2016	Oct 1, 2016	Prospector (R. Brett)	$600/day	23 days	$13,800
Oct 25, 2016	Jun 30, 2017	Geotechnician (C. Nap)	$500/day	57 days	$28,500
Oct 13, 2016	Jun 30, 2017	Geotechnician (A. Veldstra)	$500/day	40 days	$20,000
Oct 25, 2016	Nov 30, 2016	Geotechnician (B. Deley)	$500/day	33 days	$16,500
Nov 1, 2016	Nov 22, 2016	Geotechnician (J. Savard)	$500/day	22 days	$11,000
May 1, 2017	Jun 30, 2017	Geotechnician (M. Rich)	$500/day	24 days	$12,000
Oct 13, 2016	Nov 13, 2016	Geotechnician (M. Melchiorre)	$500/day	12 days	$6,000
Nov 7, 2016	Jun 30, 2017	Geotechnician (M. Garrett)	$500/day	41 days	$20,500
Nov 3, 2016	Nov 7, 2016	Geotechnician (T. Seargeant)	$500/day	5 days	$2,500
Sept 15, 2016	Oct 5, 2016	Excavator with Operator	$175/hr	162 hrs	$34,650
				Subtotal	***$283,450***
Associated Costs					
Sept 6, 2016	Jun 30, 2017	Exploration Camp (including trailers, fuel)	$2,500/wk	20 wks	$40,000
Sept 6, 2016	Jun 30, 2017	Sample bags and tags	$2/sample	611	$1,222
Sept 6, 2016	Jun 30, 2017	Pump Rental	$800/wk	20 wks	$16,000
Sept 6, 2016	Jun 30, 2017	Saw Rental	$500/wk	20 wks	$10,000
Sept 6, 2016	Jun 30, 2017	Hose Rental	$500/wk	20 wks	$10,000
Sept 6, 2016	Jun 30, 2017	Blades	$400 ea.	24	$9,600
Nov 15, 2016	Jul 15, 2017	Assays	$17/sample	810	$13,673
				Subtotal	***$100,495***
Transportation					
Sept 6, 2016	Jun 30, 2017	Truck Rental (2 trucks)	$1500/mth	5 mths	$15,750
Sept 6, 2016	Jun 30, 2017	Truck km's	$.50/km	25,090 km	$12,545
Sept 6, 2016	Jun 30, 2017	ATV Rental (2 ATVs)	$2000/mth	4 mths	$16,000
Sept 6, 2016	Jun 30, 2017	Side x side Rental	$2500/mth	3 mths	$7,500
Sept 6, 2016	Jun 30, 2017	Fuel			$9,000
				Subtotal	***$60,795***
Food					
Sept 6, 2016	Jun 30, 2017	Food			$9,650
				Subtotal	***$9,650***
				Grand Total	***$454,390***

Note: The two major activities in this field program were prospecting (197 samples, or 25%) and channel sampling (602 samples, or 75%). Some costs can be divided between the two actitivities, based on a 25:75 split (e.g. assays and camp food, etc.), while other activities are solely prospecting (e.g. R. Brett's

time) or solely channel sampling (e.g. hoses). This information is included below, and is used to determine how to divide the total money spent on the program between the various claims and patents on the property.

Table 7 – Calculating % of trenching work performed on each patent/claim.

Trench	Patent/Claim	Area	Total $ spent
Fisher	1H (60%), 1172365 (40%)	2689 m^2	($454,390 x 75%)
McKellar	1H (60%), 1172349 (40%)	2834 m^2	
Matt Berry	1H	276 m^2	
Leo 2, 3, 4	786525	911 m^2	
	Total	***6710 m^2***	***$340,792***
Patent/Claim	**Recalculated Area (m^2)**	**% work**	**$ spent**
1H	3590 m^2	53.5%	$182,324
1172365	1075 m^2	16.0%	$54,527
1172349	1134 m^2	16.9%	$57,594
786525	911 m^2	13.6%	$46,347
	Total = 6710 m^2	***100%***	***$340,792***

Table 8 – Calculating % of prospecting work performed on each patent/claim and total expenditures.

Prospecting				Adding Channel Sampling Costs (Table 7 above)	Grand Total
Claim/Patent	Number of Samples	% Work	$ Spent		
1H	18	9.1	$10,380	$182,324	$192,704
33B	13	6.6	$7,496		$7,496
677469	1	0.5	$577		$577
786522	5	2.5	$2,883		$2,883
786523	8	4.1	$4,613		$4,613
786525	24	12.2	$13,839	$46,347	$60,186
786526	5	2.5	$2,883		$2,883
786542	4	2.0	$2,307		$2,307
786543	2	1.0	$1,153		$1,153
786544	2	1.0	$1,153		$1,153
813160	2	1.0	$1,153		$1,153
813163	4	2.0	$2,307		$2,307
813166	7	3.6	$4,036		$4,036
835189	2	1.0	$1,153		$1,153
835190	1	0.5	$577		$577
835197	2	1.0	$1,153		$1,153
835311	12	6.1	$6,920		$6,920
873522	2	1.0	$1,153		$1,153
1172316	1	0.5	$577		$577

Prospecting				Adding Channel Sampling Costs (Table 7 above)	Grand Total
Claim/Patent	Number of Samples	% Work	$ Spent		
1172346	1	0.5	$577		$577
1172349	--	--	--	$57,594	$57,594
1172365	--	--	--	$54,527	$54,527
1172369	2	1.0	$1,153		$1,153
1196870	45	22.8	$25,949		$25,949
1202264	1	0.5	$577		$577
1205204	1	0.5	$577		$577
1209441	4	2.0	$2,307		$2,307
1209698	12	6.1	$6,920		$6,920
1210792	5	2.5	$2,883		$2,883
1215149	2	1.0	$1,153		$1,153
1215758	1	0.5	$577		$577
1215760	6	3.0	$3,460		$3,460
1215831	1	0.5	$577		$577
3001505	1	0.5	$577		$577
Total	***197***	***100%***	***$113,598***		***$454,390***

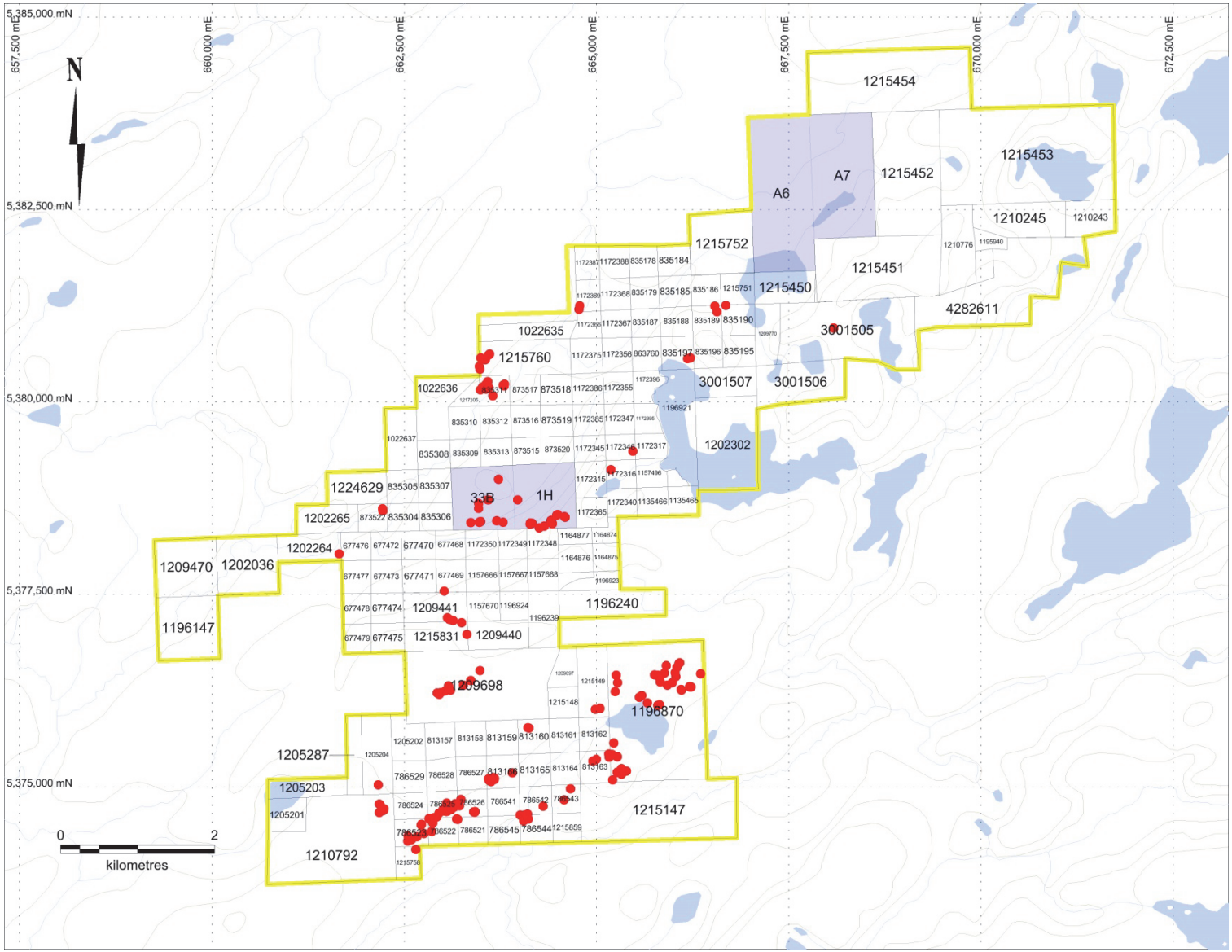

Figure 12 - Location of Prospecting Samples in the 2016-2017 program.

15 References

Ball, P. W. (2009) Independent Geologist's Report on the Ardeen Gold Project. DATAGEO Geological Consultants, Australia.

Card, K. D. (1990) A review of the Superior Province of the Canadian Shield, a product of Archean accretion. Precambrian Research, v. 48. p. 99-156.

Card, K. D. and Poulsen, K. H. (1998) Geology and mineral deposits of the Superior Province of the Canadian Shield. *In:* Geology of the Precambrian Superior and Grenville Provinces and Precambrian Fossils in North America. Geological Survey of Canada, Geology of Canada, v. 7, p. 13-194.

Chorlton, L. (1987) Geological setting of gold mineralization in the western part of the Shebandowan Greenstone Belt, District of Thunder Bay, northwestern Ontario. Ontario Geological Survey, Open File Report 5636, 348 p.

Clark, G. R. (1989) Report on the Moss Lake Project of Storimin Exploration Ltd.

Corfu, F. and Stott, G. M. (1996) Shebandowan Greenstone Belt, western Superior Province: U-Pb ages, tectonic implications and correlations. Geological Society of America Bulletin, v. 110, p.1469-1484.

Davis, D. W., Pezzuto, F. and Ojakangas, R. W. (1990) The age and provenance of metasedimentary rocks in the Quetico subprovince, Ontario, from single zircon analyses: Implications for Archean sedimentation and tectonics in the Superior Province. Earth and Planetary Science Letters, v. 99, p. 195-205.

Davis, D. W. (1996) Provenance and depositional age constraints on sedimentation in the western Superior transect area from U-Pb ages of zircons. *In:* Western Superior Transect Second Annual Workshop, LITHOPROBE Secretariat, University of British Columbia, Vancouver, British Columbia, LITHOPROBE Report No. 53, p.18-23.

DiLauro, P. A., and Dymov, I. (2012) An investigation into the recovery of gold from Moss Lake gold deposit samples, Project 13335-001, final report, November 19, 2012. SGS Canada Inc., 92p.

Elliot, W. J. (1988) Report on the Moss Lake Property of Tandem Resources Ltd. & Storimin Exploration Limited, Moss Township, Ontario.

Fralick, P., Purdon, R. H. and Davis, D. W. (2006) Neoarchean trans-subprovince sediment transport in southwestern Superior Province: Sedimentological, geochemical, and geochronological evidence. Canadian Journal of Earth Sciences, v. 43, p. 1055-1070.

Giblin, P. E. (1964) Geology of the Burchell Lake Area, District of Thunder Bay. Ontario Department of Mines, Geological Report 19, 39p.

Goldfarb, R. J., Phillips, G. N., and Nokleberg, W. J. (1998) Tectonic setting of synorogenic gold deposits of the Pacific Rim. Ore Geology Reviews, v. 13, p. 185-218.

Groves, D. I., Barley, M. E., and Ho, S. (1989) Nature, genesis and tectonic setting of mesothermal gold mineralization in the Yilgarn Block, Western Australia. *In:* R. R. Keays, W. R. H. Ramsay, D. I. Groves

(eds.), The Geology of Gold Deposits: The Perspective in 1988. Economic Geology Monograph, v. 6, p. 71–85.

Groves, D. I., Goldfarb, R. J., Gebre-Mariam, M., Hagemann, S. G. and Robert, F. (1998) Orogenic gold deposits: A proposed classification in the context of their crustal distribution and relationship to other gold deposit types. Ore Geology Reviews, v. 13, p. 7-27.

Harris, F. R. (1970) Geology of the Moss Lake Area, District of Thunder Bay. Ontario Department of Mines, Geological Report 85, 61p.

Hodgson, C. J. (1993) Mesothermal lode-gold deposits. *In:* R. V. Kirkham, W. D.

Sinclair, R. I., Thorpe, J. M., Duke. Mineral Deposit Modeling. Geological Association of Canada, Special Paper 40, p. 635-678.

Hunt, D. S. (2000) Geological mapping, summer 2000 program on the Moss Lake & Fountain Lake properties, Moss Township, Ontario, Thunder Bay Mining Division, NTS 52B/10SE, for Moss Lake Gold Mines Ltd. SDA Geological Services Ltd., MNDM assessment file 52B10SE2010.

Hunt, D. S. (2001) Geological mapping, north and south grids on the Moss Lake & Fountain Lake properties, Moss Township, Ontario, Thunder Bay Mining Division, NTS 52B/10SE, for Moss Lake Gold Mines Ltd. SDA Geological Services Ltd, MNDM assessment file 52B10SE2013.

Ishihara, S. (1981) The granitoid series and mineralization. *In:* B. J., Skinner (ed.), Economic Geology 75th Anniversary Volume, 1905-1980. Economic Geology Publishing Co., p. 458-484.

Kerrich, R. (1991) Mesothermal gold deposits - A critique of genetic hypotheses. *In:* F. Robert, P. A. Sheahan, S. B. Green (eds.), Greenstone Gold and Crustal Evolution. Geological Association of Canada, Mineral Deposits Division Publ., p. 13-31.

Langford, F. F. and Morin, J. A. (1976) The development of the Superior Province of northwestern Ontario by merging island arcs. American Journal of Science, v. 276, p. 1023-1034.

Larouche, C. (1995) Results of prospecting and mapping, Burchell Lake Area, Fountain Lake property, Thunder Bay Mining Division, with Omer Belisle (OPAP 094-), January, 1995. Ovalbay Geological Services Inc., report 52B10SE0006.

Lassen, B. (2004) Petrogenesis of the late Archean Quetico alkaline suite intrusions, western Superior Province, Canada. Unpublished PhD thesis, University of Ottawa, Ottawa, Ontario, 240p.

Legault, M., Gouthier, J., Beaudoin, G., Aucoin, M. (2006) Metallogenic syntheses of the Porcupine-Destor Fault, Abitibi Subprovince. MRNF, ET-2006-01.

Moser, D. (1994) The geology and structure of the mid-crustal Wawa gneiss domain -- a key to understanding tectonic variation with depth and time in the Late Archean Abitibi-Wawa orogen. Canadian Journal of Earth Sciences, v. 31, p. 1064-1080.

Osmani, I. A., Anthony, G. A., and Payne, J. (1991) Precambrian Geology, Moss Township, scale 1:20,000. Ontario Geological Survey, Map 2624.

Osmani, I. A. (1993) Geology and mineral potential of Moss Township, District of Thunder Bay. Ontario Geological Survey, Open File Report 5865, 55p.

Osmani, I. A. (1997) Geology and Mineral Potential, Greenwater Lake Area, West-Central Shebandowan Greenstone Belt; Ontario Geological Survey, Report 296, 135p.

Percival, J. A. (1989) A regional perspective of the Quetico metasedimentary belt, Superior Province, Canada. Canadian Journal of Earth Sciences, v. 26, p. 677-693.

Percival, J. A., Bleeker, W., Cook, F. A., Rivers, T., Ross, G., and van Staal, C.R. (2004) Panlithoprobe Workshop IV: Intra-orogen correlations and comparative orogenic anatomy. Geoscience Canada, v. 31, p. 23-39.

Percival, J. A., Sanborn-Barrie, M., Skulski, T., Stott, G. M., Helmstaedt, H. and White, D. J. (2006) Tectonic evolution of the western Superior Province from NATMAP and LITHOPROBE studies. Canadian Journal of Earth Sciences, v. 43, p. 1085-1117.

Percival, J. A., and Easton, R. M. (2007) Geology of the Canadian Shield in Ontario: An Update. Geological Survey of Canada, Open File 5511.

Percival, J .A. and West, G. F. (1994) The Kapuskasing Uplift: A geological and geophysical synthesis. Canadian Journal of Earth Sciences, v. 31, p. 1256-1286.

Percival, J. A. and Williams, H. R. (1989) The Quetico accretionary complex, Superior Province, Canada. Geology, v. 17, p. 23-25.

Pettigrew, N. T. (2004) Cu-Ni-PGE mineralization and petrogenesis of mafic-ultramafic intrusions in the western Quetico and Wabigoon subprovinces, northwestern Ontario, Canada. Unpublished MSc thesis, University of Ottawa, Ottawa, Ontario, 153p.

Pettigrew, N. T. and Hattori, K. H. (2006) The Quetico intrusions of western Superior Province: Neo-Archean examples of Alaskan/Ural-type mafic-ultramafic intrusions. Precambrian Research, v. 149, p. 21-42.

Phillips, G. N. and Powell, R. (1993) Link between gold provinces. Economic Geology, v. 88, p. 1084-1098.

Polat, A. and Kerrich, R. (1999) Formation of an Archean tectonic melange in the Schreiber-Hemlo greenstone belt, Superior Province, Canada: Implications for Archean subduction-accretion process. Tectonics, v. 18, p. 733-755.

Polat, A., and Kerrich, R. (2001) Magnesian andesites, Nb-enriched basalt andesites, and adakites from late Archean 2.7 Ga Wawa greenstone belts, Superior Province, Canada: Implications for late Archean subduction zone petrogenetic processes. Contributions to Mineralogy and Petrology, v. 141, p. 36-52.

Polat, A., Kerrich, R., and Wyman, D. (1998) The late Archean Schreiber-Hemlo and White River-Dayohessarah greenstone belts, Superior Province: Collages of oceanic plateaus, oceanic arcs, and subduction-accretion complexes. Tectonophysics, v. 289, p. 295-326.

Polat, A., Kerrich, R., and Wyman, D. (1999) Geochemical diversity in oceanic komatiites and basalts from the late Archean Wawa greenstone belts, Superior Province, Canada: Trace element and Nd isotope evidence for a heterogeneous mantle. Precambrian Research, v. 94, p. 139-173.

Risto, R.W. and Breede, K. (2010) An update to a technical review of the Moss Lake Gold property, including an updated mineral resource estimate, Moss Township, Northwestern Ontario. Report prepared for Moss Lake Gold Mines Ltd. by Watts, Griffis and McOuat Ltd., 100p.

Robert, F., Brommecker, R., Bourne, B. T., Dobak, P. J., McEwan, C.J., Rowe, R. R., Zhou, X. (2007) Models and Exploration Methods for Major Gold Deposit Types. *In:* B. Milkereit (ed.), Proceedings of Exploration 07: Fifth Decennial International Conference on Mineral Exploration, p. 691-711.

Sage, R. P., Lightfoot, P. C., and Doherty, W. (1996a) Geochemical characteristics of granitoid rocks from within the Archean Michipicoten greenstone belt, Wawa Subprovince, Superior Province, Canada: Implications for source regions and tectonic evolution. Precambrian Research, v. 76, p. 155-190.

Sage, R.P., Lightfoot, P.C., and Doherty, W. (1996b) Bimodal cyclical Archean basalts and rhyolites from the Michipicoten (Wawa) greenstone belt, Ontario: Geochemical evidence for magma contributions from the asthenospheric mantle and ancient continental lithosphere near the southern margin of the Superior Province. Precambrian Research, v. 76, p. 119-153.

Sinclair, W. D. (2004) Porphyry deposits synthesis. Geological Survey of Canada.

Sillitoe, R. H. (1991) Intrusion-related gold deposits. *In:* R. P. Foster (ed.), Gold Metallogeny and Exploration. Blackie and Son, Glasgow, p. 165–209.

Sillitoe, R. H. and Thompson, J. F. H. (1998) Intrusion-related vein gold deposits: Types, tectono-magmatic settings and difficulties of distinction from orogenic gold deposits. Resource Geology, v. 48(2), p. 237-250.

Southwick, D. L. (1991) On the genesis of Archean granite through two-stage melting of the Quetico accretionary prism at a transpressional plate boundary. Geological Society of America Bulletin, v. 103, p. 1385-1394.

Stern, R. A., Shirey, S. B. and Hanson, G. N. (1989) Petrogenesis of mantle derived, LIL-enriched Archean monzodiorite and trachyandesite (sanukitoids) in southwestern Superior Province. Canadian Journal of Earth Sciences, v. 26, p. 1688-1712.

Stevenson, R. K., Henry, P., and Gariépy, C. (1999) Assimilation-fractional crystallization origin of Archean sanukitoid suites, western Superior Province, Canada. Precambrian Research, v. 96, p. 83-99.

Stott, G. M. (1997) The Superior Province, Canada. *In:* Greenstone Belts, Oxford Monograph on Geology and Geophysics 35, Oxford Clarendon, p. 480-507.

Stott, G. M., and Corfu, F. (1991) Uchi Subprovince. *In:* Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, p. 145-238.

Sullivan, J. R., El-Rassi, D. A., and Kociumbas, M. W. (2006) A technical review of the Moss Lake gold property, including a mineral resource estimate, Moss Township, Northwestern Ontario. Report prepared for Moss Lake Gold Mines Ltd. by Watts, Griffis and McOuat Ltd., 98p.

Turek, A., Sage, R. P. and Van Schmus, W. R. (1992) Advances in the U-Pb zircon geochronology of the Michipicoten greenstone belt, Superior Province, Ontario. Canadian Journal of Earth Sciences, v. 29, p. 1154-1165.

Williams, H. R. (1991) Quetico Subprovince. *In:* Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, p. 383-403.

Williams, H. R., Stott, G. M., Heather, K. B., Muir, T. L. and Sage, R. P. (1991) Wawa Subprovince. *In:* Geology of Ontario. Ontario Geological Survey Special Volume 4, Part 1, p. 485-539.

Williams, H. R., Stott, G. M., Thurston, P. C., Sutcliffe, R. H., Bennett, G., Easton, R. M., and Armstrong, D. K. (1992) Tectonic evolution of Ontario: Summary and synthesis. *In:* Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, p. 1255-1332.

Zaleski, E., van Breemen, O., and Peterson, V. L. (1999) Geological evolution of the Manitouwadge greenstone belt and Wawa–Quetico subprovince boundary, Superior Province, Ontario, constrained by U-Pb zircon dates of supracrustal and plutonic rocks. Canadian Journal of Earth Sciences, v. 36, p. 945-966.

16 Appendix I – Prospecting Sample Descriptions

Table 9 - Prospecting Sample Descriptions and Au and Ag Assays (g/t).

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
330501	663568	5380233	Outcrop	Sediment	Sediments, 0.25% magnetite	0.023	<1
330502	663568	5380227	Outcrop	Syenite	Syenite, some pyrite	0.007	<1
330503	663568	5380166	Outcrop	Syenite	syenite, 0.25% py	0.008	<1
330504	663800	5380209	Outcrop	Quartz vein	2cm wide qyartz vein, some pyrite in sediments in debris and in outcrop, unsure of strike	0.009	<1
330505	663479	5380464	Outcrop	Sediment	0.25% pyrite in sediments	0.009	<1
330506	663558	5380551	Outcrop	Sediment	0.25% pyrite in sediments	0.026	<1
330507	663499	5380573	Outcrop	Sediment	0.25% pyrite in sediments	0.031	<1
330508	662178	5374777	Outcrop	Volcanics	Quartz and silicified section 30cm wide (?). 0.25% pyrite ankerite, magnetite in mafic volcanics (?). Outcrop dips 44 deg to the south, strike 90 to the east, highly magnetite	0.030	<1
330509	662237	5374716	Outcrop	Quartz vein	Quartz veining in mafic volcanics, unsure of strike and dip, dip could be either NS or EW	0.226	<1
330510	663908	5375184	Outcrop	Syenite	Syenite 0.25% pyrite in places ankerite	0.144	<1
330511	666539	5381246	Outcrop	Quartz vein	8cm wide quartz vein in mafic volcanics strike 80 deg ENE dip 68 to NNW	0.000	<1
330512	662225	5378587	Outcrop	Sediment	Sediment, some alteration, mafic volcanic	0.014	<1
330513	663022	5377545	Outcrop	Quartz vein	quartz vein in mafic volcanic ankerite pyrite, unsure of dip	0.391	<1
330514	664140	5378417	Outcrop	Volcanics	8cm quartz vein in sheared altered volcanic with pyrite outcrop. Foliation 76 ENE, dips 88 to NNW	0.101	<1
330515	666185	5380565	Outcrop	Quartz vein	Some quartz in syenite outcrop	0.000	<1
330516	664784	5381249	Subcrop	Syenite	Syenite some pyrite sediments attached, angular boulders 12cm by 40cm ~25m downhill from outcrop	0.000	<1
330517	665274	5375396	Outcrop	Quartz vein	Quartz vein, little pyrite, strike 146 SE, dip 26 to NE	0.007	<1
330518	665273	5375391	Outcrop	Syenite	pink to reddish moss lake style syenite porphyry, some pyrite	0.000	<1
330519	665392	5375205	Float	Felsic intrusive	felsic intrusive, silicified, chlorite clots, 4% py, rounded boulders-Neils	0.000	<1
330520	664497	5378541	Outcrop	Quartz vein	5cm wide quartz vein pyrite, flat lying, blasted outcrop	0.077	<1
330521	663591	5378730	Outcrop	Mafic Volcanic	Mafic volcanic(?) with 2cm qtz vein, some pyrite, strike 240 SW	0.000	<1
330522	663472	5378616	Outcrop	Quartz vein	3cm quartz vein in mafic volcanic (?), strike 62NE, dip 20-30 to SE	0.000	<1

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
330523	663479	5378438	Outcrop	Quartz vein	50cm qtz-carb vein, strike 62NE, dip vertical?	0.000	<1
330524	663707	5378457	Outcrop	QFP	Volcanic contact with quartz-feldspar porphyry	0.517	<1
330525	662976	5376226	Outcrop	intermediate volcanic	intermediate volcanic tr py	0.019	1
330526	663270	5376322	Outcrop	Quartz vein	intrusive quartz vein some pyrite low magnetic, dip and strike are erratic	0.000	1
330527	663186	5374582	Outcrop	Mafic Volcanic	mafic volcanic tr py	0.011	<1
330528	663189	5374581	Outcrop	Mafic Volcanic	ankerite altered, pyrite, some quartz, sheared	0.000	<1
330529	663198	5374578	Outcrop	Mafic Volcanic	silicified section of altered and sheared zone, some pyrite foliation 64 ENE, dip vertical	0.000	<1
330530	663631	5375066	Outcrop	Mafic Volcanic	silicified mafic volcanic with some fine pyrite, 1cm quartz veins, some ankerite altered sheared foliation 72 ENE	0.000	<1
330531	664065	5374636	Float	Syenite	hematized syenite?, 6cm quartz vein, tr py, blasted boulder	0.000	1
330532	664107	5374646	Outcrop	Mafic Volcanic	mafic volcanic, trpy, foliation 70 ENE, dip vertical	0.044	<1
330533	664309	5374747	Outcrop		hem-sil altered shear, some py, foliation 66 ENE	0.035	1
330534	664662	5374977	Outcrop	Felsic Volcanic	hem altered felsic volcanic?, some py	0.000	<1
330535	665273	5375192		Felsic Volcanic	felsic to intermediate volcanic, some ankerite alteration, foliation 78 ENE	0.817	2
330536	665272	5375189	Trench	Felsic Volcanic	sericite shear, foliation 70 ENE, dip vertical, old trench	0.060	<1
330537	665327	5375184	Outcrop	Felsic Volcanic	shear, some alteration foliation 70 ENE	0.000	<1
330538	665165	5375384	Outcrop	Felsic Volcanic	slightly hem altered felsic volcanic, some py	0.026	2
330539	665160	5375425	Outcrop	Felsic Volcanic	felsic volcanic shear zone, foliation 64 ENE, dip vert	0.000	1
330540	665228	5375572	Outcrop	Intermediate volcanic	1m wide sheared, altered zone, specks of py foliation 76, unsure of dip	0.000	2
330541	665203	5375424	Outcrop	Felsic Volcanic	felsic to intermediate volcanic shear zone, some py, foliation 64 ENE, dip vert	0.018	<1
330542	666355	5376468	Outcrop	Felsic Volcanic	shear zone, flesic volcanic, some py, foliation 110 ESE, vert dip	0.345	<1
330543	665989	5376352	Outcrop	Mafic Volcanic	mafic volcanic, very rusty pyrite 1m wide foliation 72 ENE, dip 70 NNW	0.052	<1
330544	665925	5376320	Outcrop	Intermediate volcanic	intermediate volcanic, tr py	0.025	<1
330545	665830	5376363	Outcrop	Intermediate volcanic	small sericite shear, ankerite alteration, some py foliation 74 ENE, dip?	0.000	<1
330546	665823	5376419	Outcrop	Intermediate volcanic	intermediate volcanics some pyrite	0.126	1
330547	665800	5376452	Outcrop	Intermediate volcanic	silicified shear, pyrite, intermediate vol, foliation 74 ENE, dip vert	0.677	2
330548	665757	5376456	Outcrop	Intermediate volcanic	shear zone, tr py, some chalcopyrite, intermediate volcanic	0.291	1
330549	666231	5376300	Outcrop	mafic volcanic	mafic volcanic with contacting BIF, not magnetic, tr py, foliation 70 ENE, dip vert	0.044	2
330550	666225	5376304	Outcrop	Quartz vein	40cm quartz vein in BIF, foliation 290 WNW, dip 45 N?	0.000	<1

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
330551	666217	5376301	Outcrop	Quartz vein	50cm qtz vein in BIF, foliation 264 WNW, dip 64N	0.000	<1
330552	666218	5376299	Outcrop	Mafic Volcanic	small mafic shear next to quartz vein, pyrite	0.000	<1
330553	666213	5376301	Outcrop	Banded Iron Formation	Iron formation, 5% py in places, very magnetic	0.026	2
330554	666103	5376267	Outcrop	Banded Iron Formation	BIF and 10cm wide silicified felsic volcanic, pyrite	0.068	1
330555	666106	5376256	Float	Mafic Volcanic	seams of py in mafic volcanic, large angular boulder	0.088	<1
330556	665820	5376068	Outcrop	mafic shear	mafic volcanic shear, foliation 260 dip vert	0.000	<1
330557	665798	5376060	Outcrop	Syenite	hem altered syenite/granite	0.000	<1
330558	665665	5376091	Outcrop	Felsic Volcanic	small seam with py in felsic volcanic	0.005	<1
330559	665557	5376163	outcrop	Mafic Volcanic	mafic volcanic with tr py foliation 73 ENE, vert dip	0.047	1
330560	665593	5376189	Outcrop	Quartz vein	30-40cm wide qtz vein in mafic volcanic, some py, fol 260, dip 90	0.015	<1
330561	666048	5376552	Outcrop	Mafic Volcanic	mafic volcanic some quartz 1% py	0.047	<1
330562	666026	5376482	Outcrop	Mafic intrusive	gabbro, py	0.019	<1
330563	666032	5376432	Outcrop	Mafic intrusive	hem altered sheared gabbro/syenite?	0.083	<1
330564	665888	5376480	Outcrop	Mafic Volcanic	mafic volcanic slightly sheared, tr py	0.008	<1
330565	665911	5376577	Outcrop	Mafic Volcanic	mafic volcanic shear zone, fol 60 ENE, dip 90	0.061	<1
330566	665257	5376449	Outcrop	Mafic Volcanic	mafic volcanic shear zone	0.000	<1
330567	665278	5376354	Outcrop	Intermediate volcanic	intermediate volcanic shear, some py	0.005	<1
330568	665245	5376239	Outcrop	Intermediate volcanic	intermediate volcanic, hem altered	0.157	1
330569	665047	5376017	Outcrop	Banded Iron Formation	sheared BIF 1% py, fol 78, vert dip	0.000	1
330570	665047	5376020	Outcrop	Quartz vein	20/30 quartz vein in iron formation, strike 88, dip?	0.006	<1
330571	664986	5376010	Outcrop	Quartz vein	quartz in mafic volcanic	0	1
330572	663498	5378447	Outcrop	schist	shear zone 2% py, foliation 235 SW, dip 80 NW	0.013	<1
330573	663482	5378436	Outcrop	gabbro	gabbro, pyrite, outcrop	0	<1
330574	663479	5378440	Outcrop	Quartz vein	quartz carbonate vein, 80cm wide, some py strike 60, dip?	0	<1
330575	663482	5378442	Outcrop	Mafic Volcanic	mafic volcanic some py	0	<1
330576	663370	5378432	Outcrop	mafic volcanic	small shear	0.084	<1
330577	664593	5378503	Outcrop	Mafic Volcanic	mafic volcanic, some pyrite	0.005	<1

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
330578	664588	5378512	Outcrop	Banded Iron Formation	BIF, some quartz very magnetic outcrop, fol 90, dip 40N	0.083	<1
330579	664486	5378532	Outcrop	Quartz vein	quartz veining in BIF, erratic strike/dip	0.028	<1
330580	664321	5378389	Outcrop	Banded Iron Formation	silicified and quartz sections in BIF, some py	0	<1
330581	664260	5378363	Subcrop	Banded Iron Formation	iron formation, mica, pyrite	0	<1
330582	664428	5378419	Outcrop	Banded Iron Formation	BIF, pyrite	0.123	<1
330583	664425	5378423	Outcrop	Banded Iron Formation	BIF	0	<1
330584	664415	5378435	Float	Banded Iron Formation	BIF, some quartz, angular boulder	0.011	<1
330585	664413	5378437	Outcrop	Banded Iron Formation	BIF	0	<1
330586	664412	5378461	Outcrop	Mafic Volcanic	mafic to intermediate volcanic, 2% py	0.4	<1
330587	664418	5378460	Subcrop	Mafic Volcanic	ankerite altered, small shear at bottom of tallus slope	0.181	<1
330588	664412	5378456	Outcrop	gabbro	gabbro, pyrite	0.057	<1
330589	664415	5378457	Subcrop	Quartz vein	4cm wide qtz vein in gabbro on tallus slope	0	<1
330590	662926	5374612	Outcrop	Felsic Volcanic	felsic volcanic, weak hem altered, foliation 60, dip 60-70N	0.005	<1
330591	662825	5374590	Outcrop	schist	shear zone	0	<1
330592	663107	5374704	Outcrop	Felsic Volcanic	slightly hem altered felsic volcanic, some py	0.007	<1
330593	662895	5374601	Outcrop	Felsic Volcanic	felsic volcanic	0.019	2
330594	662726	5374512	Outcrop	Felsic Volcanic	shear zone, some pink foliation 60, vert dip	0	<1
330595	662722	5374503	Outcrop	Quartz vein	10-20cm wide qtz-carb vein	0	<1
330596	662877	5374531	Outcrop	Quartz vein	qtz-carb vein	0	<1
330597	662597	5374315	Outcrop	Quartz vein	quartz carbonate vein 5meters wide? Outcrop"	0	<1
330598	662549	5374297	Outcrop	Mafic Volcanic	sheared, some py	0	<1
330599	662551	5374362	Float	Felsic Volcanic	felsic/intermediate volcanic, pyrite, angular boulder	0.034	<1
330600	662588	5374309	Outcrop	Quartz vein	"quartz-carbonate"	0	<1
330601	663589	5380264	Outcrop	Quartz vein	Narrow anastomosing quartz vein ~2cm wide with 20cm wide ankerite alteration halo, 1% disseminated py.	0.018	<1
330602	663605	5380184	Subcrop	Granite	SC/Float of fine- to medium-grained white massive granitic unit with 3% diss f.g. py	0.011	<1

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
330603	663584	5380190	Outcrop	Granite	White, fine-grained garnet-py (2%)-bearing granitic dyke hosted in seds	0.000	<1
330604	663519	5380196	Outcrop	Sediment	Sediment with 30cm wide NE trending massive syenite with local dextral E-W displacement (~20cm). Seds are sheared and bio rich with 10% py	0.134	<1
330605	663492	5380157	Float	Sediment	Local float of phyllic seds and narrow felds porphyritic dyklet material, 3-5% disseminated py	0.022	<1
330606	663790	5380220	Outcrop	Quartz vein	Quartz vein with sil-hem altered, py (3%) mineralized sed contact. Vein at 102/90	0.008	<1
330607	663808	5380233	Subcrop	Quartz vein	3-4'' wide white qtz vein with trace py-gal-cpy-flourite (purple) with mineralization occurring on the margins of vein material. Vein is spatially associated with pink syenitic subcrop	0.379	64
330608	663489	5380425	Float	Carb Vein	Two large local floats of strongly ank-fuch-sil altered, well foliated unit with minor opaque white quartz+/-py, 2% diss py throughout, unknown protolith	0.039	<1
330609	663611	5380623	Outcrop	Sediment	Weak serite altered sediments with tr diss f.g. py	0.032	<1
330610	663601	5380609	Subcrop	Sediment	subcrop/float, massive, bio-rich unaltered seds with 2% diss py	0.014	<1
330611	662180	5374665	Trench	Felsic/intermediate volcanic	Collected from southern tip of old trech. Highly sheared felsic volcanic with strong ser-sil alteration, tr-1% f.g. py and local narrow sugary qtz veins	0.321	<1
330612	662164	5375028	Outcrop	Felsic/intermediate volcanic	sheared ser-sil altered felsic/intermediate, no mineralization	0.015	<1
330613	662186	5374769	Outcrop	Felsic/intermediate volcanic	sheared ser-sil altered felsic/seds with narrow deformed qtz-ank veins and tr py	0.007	<1
330614	662232	5374693	Outcrop	Felsic/intermediate volcanic	Sheared intermediate volcanic with locally gossanous, narrow <5cm semi-massive sulphide layers/veins	0.025	<1
330615	663665	5375121	Outcrop	Felsic/intermediate volcanic	Chlorite schist with anker-py (1%) pods within intermediate/felsic volcanic	0.015	<1
330616	663678	5375111	Outcrop	Quartz vein	White sugary qtz-chl vein in volcaniclastic, near BIF(?) contact, tr py	0.046	<1
330617	663675	5375097	Outcrop	Quartz vein	20-30cm wide +50m long qtz vein cutting plag porphyritic intermediate intrusive, tr. Pu, trending ~060 deg.	0.000	<1
330618	663599	5375104	Outcrop	Feldspar porphyritic intrusive	felds porphyritic intermediate intrusive, weak to strong foliation, weak-mod chl seams, unmineralized. Narrow qtz vein collect ~ 10m south of BIF contact	0.000	<1
330619	663609	5375081	Subcrop	Banded Iron Formation	Silicious BIF with 1% diss v.f.g. py	0.000	<1
330620	666682	5381254	Float	Quartz vein	~20lb qtz-py(3%)-gal(0.5%)-cpy(tr)-chl boulder found near road, very similar in appearance to Ardeen mine, possibly fallen off a truck	5.720	45
330621	666569	5381174	Outcrop	Syenite	Massive m.g. pink syenite/granite with local narrow ser-actinolite+/- tr py shears ~108/90	0.020	<1
330622	662218	5378612	Outcrop	Sediment	Highly sheared phyllic sediment with conjugate qtz-ank +/-py+/-gal veinlets. Sample contains 3% py, tr gal, highly friable material, very little OC, good trenching target	0.049	<1

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
					pending results.		
330623	665474	5379360	Float	Syenite	~150lb rusty ser-k-chl altered weakly foliated syenite/granite with 2% py	0.000	<1
330624	664167	5378426	Trench	Felsic/intermediate volcanic	sample of highly gossanous shear 068/90 in volcanics(?)	0.102	<1
330625	664144	5378429	Trench	Feldspar porphyritic intrusive	0.5-2m wide highly pyritic sericite altered felds porphyritic intrusive with 10% py, mineralization trending 230/74	0.967	<1
330626	668086	5380960	Trench	Aplite	Sample of v.f.g. white quartz vein/white aplite(?), no mineralization, cuts foliation at 036/90	0.006	<1
330627	668086	5380960	Trench	Granodiorite	biotite-rich moderately foliated granodiorite(?) no mineralization	0.000	<1
330628	668086	5380960	Trench	Aplite	loose aplitic material composed of qtz-felds-bio with tr py and purple flourite	0.000	<1
330629	666223	5380574	Float	Syenite	Large float/SC of sugary syenite withrare v.f.g. specks of py	0.000	<1
330630	664775	5381207	OC	Syenite	~1m wide E-W trending syenite dyke in seds, massive weak/mod perv ser, tr py stringers	0.000	<1
330631	666085	5376610	Trench	Felsic/intermediate volcanic	OC/trench(?),. Highly sulphidized ser-chl altered felsic volcanic, with boudinage trending 090/90. Sample conains ~5% diss py	0.118	<1
330632	666076	5376603	Trench	Felsic/intermediate volcanic	Same as 330631 with 10% py	0.120	<1
330633	665330	5375186	Subcrop	Syenite	Syenite with 0.5% specularite, weak perv anke, tr. Py	0.015	<1
330634	665330	5375186	Subcrop	Quartz vein	Weak ank altered, local qtz-py veinlets (<3cm wide), tr spec	0.174	<1
330635	665332	5375195	Subcrop	Syenite	Perv mod hem with 1% ank-spec vein stockwork, tr-1% diss py	0.035	<1
330636	665334	5375203	Float	Quartz vein	~2lb rounded float. Qyartz-py(15%)-tourm/chl(?)/sph(?) vein material	0.020	<1
330637	665329	5375240	Float	chlorite schist	~2lb angular soft float of chlorite-carb schist with 1% Cpy and malachite staining	0.570	<1
330638	665317	5375192	Subcrop	felsite	White v.f.g. felsite with qtz-py stringers, rusty red soil over subcrop/outcrop	0.032	<1
330639	665328	5375165	Subcrop	Syenite	Weak/mod hem-ank altered syenite with 2cm wide qtz-py-tour veins	0.064	<1
330640	663977	5378729	Outcrop	chlorite schist	Highly foliated chlorite schist with subcubic to anhedral py	0.007	<1
330641	663728	5378995	Outcrop	Syenite	quartz porphyritic, massive dark pink syenite(?) with diss tr py	0.000	2
330642	663600	5378727	Outcrop	intermediate volcanic	moderately foliated intermediate volcanic(?) with sil-chl alteration, and diss py	0.009	<1
330643	663472	5378681	Outcrop	Mafic Volcanic	Sheared, well foliated chl altered MV with qtz-py veinlets	0.014	<1
330644	663786	5378436	Outcrop	Intermediate volcanic	Moderately foliated intermediate volcanic(?) with perv chl and late qtz-ank-py veins cutting erratically	0.049	<1
330645	662956	5376204	Outcrop	Felsic Volcanic	Highly sheared, chl-carb altered felsic/int volcanic with tr diss py 077/90	0.000	<1
330646	662932	5376219	Outcrop	Felsic Volcanic	Intensely sheared, silicified and moderately rusty felsic volcanic with 2-3% py, local glassy, vuggy deformed qtz-py veinlets. Rock is slightly dislodged, appears to be	2.039	4

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
					trending 096		
330647	663037	5376246	Outcrop	Feldspar porphyry	Feldspar porphyritic felsic/int intrusive, moderately foliated, strong chl alteration, 2% diss py	0.298	3
330648	663104	5376255	Outcrop	Felsic Volcanic	Highly schistose FV with pervasive chl and anastomosing chl+/-ank+/-atz+/-py stringers ~072/90	0.000	<1
330649	663082	5376298	Subcrop	Felsic Volcanic	Brecciated, oxidized, sil-ser-k altered FV with tr py	0.295	1
330650	663078	5376313	Outcrop	Felsic Volcanic	~6x1m wide semi-massive sulphide zone in chl-altered, silicified, sheared felsic volcanic(?). Unit is extremely hard to collect sample from. ~246, steeply dipping north, non-magnetic	0.038	2
330651	663367	5376380	Outcrop	Quartz vein	20cm+ qtz-ank-py vein with FV salvages	0.038	<1
330652	663367	5376380	Outcrop	Felsic Volcanic	Quartz vein salvage with 2% py	0.025	<1
330653	663367	5376380	Outcrop	Syenite	Syenite(?), collected along contact. Perv mod ank/hem and flacky massive chlorite, rare py	0.020	1
330654	663488	5376511	Outcrop	Felsic Volcanic	Semi-massive sulphide zone ~1.5m wide within felsic volcanic(?). Sil-chl altered, sheared trending 090/90 and foliation 072/90	0.020	<1
330655	663219	5374753	Outcrop	Quartz vein	5-10cm wide qtz-chl-py, vuggy, glassy vein 092/90 hosted in ser-chl altered FV trending 242/80	0.122	<1
330656	663108	5374703	Outcrop	Felsic Volcanic	>3m wide hem/k-ser altered, highly friable FV decreasing in intensity to the north, no mineralization 238/78	0.011	<1
330657	663057	5374789	Outcrop	Syenite	~1m wide dark pink/red syenite(?) with py veinlets, chl-ser-hem altered	2.166	5
330658	663035	5374688	Outcrop	Felsic Volcanic	5-8cm wide perv hem/k-ser+/-ank altered felsic volcanic with tr py	2.210	9
330659	663035	5374688	Outcrop	Quartz vein	rubbly qtz-ank-gal-py vein, appears to be <10cm wide and hosted within highly k/hem-ser-ank altered FV	5.099	23
330660	663035	5374688	Outcrop	Felsic Volcanic	Strong pervasive hem-sil altered felsic volcanic with quartz-ank py vein stockwork	0.080	1
330661	663002	5374701	Outcrop	Felsic Volcanic	narrow gossanous shear in FV in a cross-cutting structure ~10cm wide trending 100/68, FV sheared at 238/86	0.439	3
330662	663019	5374688	Outcrop	Mafic intrusive	Mafic(?) dyke, well foliated, strong perc chl-hem altered, tr py	0.021	<1
330663	663019	5374688	Subcrop	Quartz vein	Loose qtz-ank-py vein material with 2% py	0.046	1
330664	663166	5374781	Subcrop	Felsic Volcanic	Highly friable, local boulders with strong ser-sil, weak hem altered FV with 1% py	0.000	<1
330665	664010	5374635	Outcrop	Quartz vein	2-15cm wide qtz-ank vein within perv strong hem-chl-carb altered FV(?). Alteration is locally up to 3m on both sides, appears to be a flat lying vein	0.000	<1
330666	664056	5374558	Outcrop	Felsic Volcanic	Highly sheared sil-chl-ser altered FV with local ank, tr py 068/90	0.000	<1
330667	664117	5374583	Outcrop	Felsic Volcanic	Anastomosing shear with locally intense sil, mod chl-hem altered FV 060/90	0.022	<1
330668	664580	5374834	Outcrop	Felsic Volcanic	Sil-Hem-Chl altered FV with discontinuous, narrow qtz vein, no py	0.028	1

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
330669	661656	5378027	Float	Quartz vein	Float near road/river. Subrounded ~1 lb qtz-ank-py.. Possibly sourced from road gravel	1.273	4
330670	664125	5375765	Outcrop	Feldspar porphyry	Plag porphyritic intermediate volcaniclastic with perv weak ser, 1% cubic py 068/90	0.000	<1
330671	664111	5375769	Outcrop	Quartz vein	Series of narrow flat lying and verticle qtz-chl-py veins ~052, cut by later chl veinlets 000/90	0.093	<1
330672	663044	5374688	Outcrop	Felsic Volcanic	Bleached white surface, perv mod hem/k-ser-carb, 1% py 048/78	0.268	1
330673	663044	5374688	Outcrop	Quartz vein	qtz-ank-py-gal vein ~5cm wide, along a possible contact	1.692	9
330674	665213	5375090	Outcrop	Felsic Volcanic	~3m wide, sheared sil-chl altered felsic volcanic(?) with patchy py mineralized lenses 090/90	0.367	1
330675	664954	5375334	Outcrop	Intermediate intrusive	Sheared chl-albite(?) altered intermediate intrusive, moderately foliated 247/76	0.008	<1
330676	665000	5375358	Outcrop	Felsic Volcanic	Sheared, well foliated ank-hem altered FV(?) with 3% py 076/90	0.000	<1
330677	663316	5376982	Outcrop	QFP	Massive, zoned feldspar, 5% disseminated v.f.g. po throughout	0.005	<1
330678	663247	5377135	Outcrop	Mafic Volcanic	Variably po-mineralized (0-5%) massive basalt/f.g. Gabbro. Po occurs in veins and disseminated ~2x10m	0.016	<1
330679	663066	5377197	Subcrop	Quartz vein	Local sugary white/red quartz-py vein ~5cm wide, located on top of large cliff	0.018	<1
330680	663090	5377173	Subcrop	Quartz vein	Vuggy 2cm wide red qtz-chl vein	0.808	1
330681	663136	5377161	Outcrop	Intermediate volcanic	Rubbly OC of intermediate volcanic(?) with 2% po, tr cpy	0.011	<1
330682	662859	5374421	Subcrop	Quartz vein	subcrop of schistose ser-chl-ank altered FV with qtz-carb-py vein	0.035	<1
330683	663063	5374698	Outcrop	Felsic Volcanic	sheared, pink FV with perv ser-k/hem-ank, tr chl 068/90 >/= 4m wide	0.011	<1
330684	663237	5374836	Subcrop	Felsic Volcanic	large angular FV boulder with perv sil, weak hem/k	0	<1
330685	665191	5379119	Outcrop	Banded Iron Formation	quartz-rich BIF, tr py	0	1
330686	663652	5380080	Subcrop	Quartz vein	3cm wide qtz-py vein in seds	0.245	28
330687	662654	5374186	Float	Quartz vein	Large >/=200lb angular local qtz-chl-py-cpy vein in swamp, no evidence of previous sampling. Approx 20x20x30'', 1-5%py, tr-1%cpy	5.807	3
330688	663048	5374682	Trench	Quartz vein	10cm wide qtz-ank-gal(2%)-cpy(0.5%) vein trending 072/90, collected from trench	5.705	32
330689	663051	5374683	Trench	Felsic Volcanic	20cm wide ser-sil-k altered felsic volcanic with qtz-py-cpy-gal veinlets // to foliation	6.868	51
330690	663066	5374684	Trench	Quartz vein	5cm wide qtz-py vein blow out along mafic-felsic contact	0.113	<1
330691	663055	5374684	Trench	mafic shear	0.5m wide qtz/mafic zone with py-cpy-gal mineralized stringers	6.11	38
330692	663015	5374687	Trench	Felsic Volcanic	sil-chl-ser altered felsic volcanics with tr diss py	0.093	<1
330693	662954	5374656	Trench	Felsic Volcanic	locally folded (axis at 112/90) felsic volcanics with minor vuggy qtz-ank-py veins	0.023	<1
330694	663145	5374736	Trench	diorite	medium-grained, mylonitized 20/40cm wide diorite with local strong hem-chl	0.064	<1

Sample ID	NAD83, Zone 15		Sample Type	Lithology	Sample Descriptions	Au (g/t)	Ag (g/t)
	Easting (mE)	Northing (mN)					
					alteration and 5% diss medium-grained py throughout		
330701			Channel		Channel resample: 744438	0.445	<1
330702			Channel		Channel resample: 744437	0.762	4
330703			Channel		Channel resample: 744436	0.077	<1
330704			Channel		Channel resample: 744435	0.034	<1
330705			Channel		Channel resample: 744434	0.080	<1
330706			Channel		Channel resample: 744433* missing tag	0.058	<1
330707			Channel		Channel resample: 744432* missing tag	0.041	<1
330708			Channel		Channel resample: 744431	0.238	2
330709	662669	5374354	Outcrop	Mafic Volcanic	mafic volcanic shear zone, py (flagged at 330601-A)	0.041	<1
330710	662758	5374396	Outcrop	Quartz vein	quartz carbonate in contact with shear (flagged as 330602-A)	0	1
330711	663068	5374719	Outcrop	Quartz vein	quartz carbonate with intermediate shear (flagged as 330603-A)	1.757	1
330712	663423	5374678	Outcrop	mafic volcanic	mafic volcanic shear, some pyrite, foliation 60, dip vert (flagged as 330604-A)	0.121	<1
330713	663403	5374674	Outcrop	Mafic Volcanic	mafic volcanic, pyrite outcrop (flagged as 330605-A)	0.018	<1
330714	663419	5374672	Outcrop	Mafic Volcanic	mafic volcanic tr py (flagged as 330606-A)	0	<1

17 Appendix II – Channel Collar Information

Table 10 - Channel Collar Information.

Trench ID	Channel ID	Azimuth (˚)	Dip (˚)	NAD83, Zone 15		First sample in series	Total Length (m)
				Easting (mE)	Northing (mN)		
Fisher	FC1	321	0	664611.0	5378706.0	467001	3.8
	FC2	321	0	664619.0	5378707.0	467005	10.8
	FC3	326	0	664662.0	5378707.0	467017	5.6
	FC4	325	0	664623.0	5378708.0	467024	3.4
	FC5	329	0	664630.0	5378714.0	467027	2.3
	FC6	288	0	664622.0	5378700.0	467044	2
	FC7	320	0	664627.0	5378706.0	467050	2.7
	FC8	254	0	664622.0	5378699.0	467045	0.6
	FC9	312	0	664622.0	5378699.0	467047	2
	FC10	336	0	664650.0	5378704.0	467053	9.2
	FC12	325	0	664637.0	5378714.0	467029	7.9
	FC13	330	0	664642.0	5378712.0	467082	2.3
	FC14	332	0	664639.0	5378717.0	467039	3.1
	FC15	310	0	664652.0	5378707.0	467064	8
	FC16	0	0	664656.0	5378708.0	467081	0.5
	FC17	333	0	664652.0	5378721.0	467072	6.2
	FC18	340	0	664656.0	5378720.0	467085	2.9
	FC19	313	0	664669.0	5378721.0	467088	15.9
	FC20	323	0	664678.0	5378725.0	467106	3.5
	FC21	333	0	664681.0	5378726.0	467110	7.7
	FC22	1	0	664682.0	5378725.0	467119	6.8
	FC23	335	0	664692.0	5378728.0	467126	10.6
	FC24	318	0	664696.0	5378738.0	467138	5.1
	FC25	332	0	664697.0	5378738.0	467143	7.1
	FC26	326	0	664702.0	5378741.0	467150	8.1
	FC27	354	0	664711.0	5378744.0	467159	5.2
	FC28	337	0	664714.0	5378751.0	467165	6
	FC29	253	0	664733.0	5378753.0	467171	5.6
	FC30	346	0	664734.0	5378746.0	467177	1
	FC31	No value	0	664738.0	5378744.0	467178	2
	FC32	331	0	664768.0	5378737.0	467423	1.8
	FC33	336	0	664770.0	5378736.0	467180	9.8
	FC34	330	0	664776.0	5378736.0	467191	10.5
	FC35	315	0	664776.0	5378744.0	467203	3.8
	FC36	320	0	664784.0	5378743.0	467208	2.5

Trench ID	Channel ID	Azimuth (°)	Dip (°)	NAD83, Zone 15		First sample in series	Total Length (m)
				Easting (mE)	Northing (mN)		
	FC37	320	0	664789.0	5378744.0	467211	2.7
	FC38	320	0	664791.0	5378747.0	467214	1.2
	FC39	290	0	664793.0	5378747.0	467215	2.2
	FC40	310	0	664799.0	5378748.0	467217	4
	FC41	320	0	664803.0	5378746.0	467222	4.6
McKellar	M1	144	0	663962.0	5378304.0	467228	6.6
	M2	162	0	663965.0	5378303.0	467234	8.1
	M3	170	0	663971.0	5378303.0	467245	0.5
	M4	148	0	663982.0	5378315.0	467246	5.25
	M5	152	0	663987.0	5378320.0	467253	2.8
	M6	150	0	663991.0	5378324.0	467257	5.1
	M7	150	0	663996.0	5378329.0	467264	5.1
	M8	145	0	664004.0	5378338.0	467270	3.3
	M9	152	0	664017.0	5378346.0	467274	0.8
	M10	159	0	664020.0	5378350.0	467275	5.25
	M11	151	0	664028.0	5378360.0	467283	14.4
	M12	151	0	664037.0	5378351.0	467298	0.7
	M13	151	0	664033.0	5378357.0	467299	11
	M14	155	0	664036.0	5378361.0	467314	13.5
	M15	150	0	664043.0	5378353.0	467331	1.3
	M16	150	0	664038.0	5378353.0	Not sampled	1.9
	M17	146	0	664044.0	5378366.0	467333	10.3
	M18	140	0	664049.0	5378360.0	467345	0.7
	M19	151	0	664049.0	5378358.0	467346	0.7
	M20	149	0	664050.0	5378369.0	467347	4.6
	M21	152	0	664053.0	5378372.0	467352	4.1
	M22	144	0	664060.0	5378374.0	467357	3.4
	M23	163	0	664068.0	5378374.0	467361	1
	M24	173	0	664079.0	5378382.0	467362	3.8
	M25	170	0	664087.0	5378386.0	467366	2.4
	M26	148	0	664091.0	5378387.0	467369	3.9
	M27	147	0	664099.0	5378387.0	467376	4.2
	M28	170	0	664106.0	5378393.0	467383	4.5
	M29	171	0	664115.0	5378393.0	467387	3.5
	M30	155	0	664131.0	5378401.0	467390	3.6
	M31	172	0	664137.0	5378403.0	467395	3
	M32	170	0	664146.0	5378404.0	467399	3.1
	M33	172	0	664145.0	5378431.0	467403	0.7
	M34	163	0	664144.0	5378434.0	467404	5.6

Trench ID	Channel ID	Azimuth (°)	Dip (°)	NAD83, Zone 15		First sample in series	Total Length (m)
				Easting (mE)	Northing (mN)		
	M35	163	0	664146.0	5378427.0	467411	10.1
Matt Berry	BC1	323	0	664427.0	5378392.0	467425	5.9
	BC2	329	0	664425.0	5378409.0	467431	2.2
	BC3	329	0	664423.0	5378413.0	467433	2.1
	BC4	329	0	664422.0	5378421.0	467435	5.2
	BC5	335	0	664424.0	5378427.0	467442	4.3
	BC6	325	0	664423.0	5378429.0	467447	0.5
	BC7	355	0	664422.0	5378430.0	467448	1.5
	BC8	355	0	664423.0	5378434.0	467449	3.2
	BC9	355	0	664424.0	5378434.0	467452	3.5
Leo 2	Leo_2_1	170	0	663014.0	5374694.0	467539	1.4
	Leo_2_2	170	0	663014.0	5374692.5	467593	8.4
	Leo_2_3	178	0	663020.5	5374693.0	467599	6.4
	Leo_2_4	168	0	663028.1	5374693.5	467608	7.1
	Leo_2_5	170	0	663038.8	5374694.7	467615	8
	Leo_2_6	170	0	663040.7	5374688.5	467627	14.3
	Leo_2_7	170	0	663043.5	5374673.5	467645	1.2
	Leo_2_8	168	0	663045.0	5374691.0	467651	2
	Leo_2_9	168	0	663045.7	5374689.5	467652	6.5
	Leo_2_10	168	0	663052.0	5374691.0	467541	7.4
	Leo_2_11	170	0	663055.8	5374692.6	467550	6.5
	Leo_2_12	168	0	663061.7	5374694.4	467558	9.9
	Leo_2_13	168	0	663067.3	5374712.8	467566	17.1
	Leo_2_14	168	0	663068.9	5374693.8	467575	4.7
	Leo_2_15	168	0	663068.7	5374688.2	467590	0.8
	Leo_2_16	168	0	663074.9	5374696.7	467591	4.7
Leo 3	Leo_3_1	148	0	663095.5	5374721.5	467658	3
	Leo_3_2	148	0	663098.0	5374718.4	467662	0.8
	Leo_3_3	146	0	663097.0	5374718.0	467663	5.3
	Leo_3_4	150	0	663098.5	5374709.5	467669	15.15
	Leo_3_5	150	0	663105.8	5374698.2	467687	1.0
	Leo_3_6	153	0	663106.3	5374692.4	467694	0.8
	Leo_3_7	153	0	663108.0	5374691.0	467695	2
	Leo_3_8	153	0	663105.0	5374702.3	467718	1
Leo 4	Leo_4_1	143	0	663139.0	5374742.0	467697	4.4
	Leo_4_2	145	0	663141.5	5374739.5	467702	5.2
	Leo_4_3	145	0	663145.9	5374736.0	467706	12.3

18 Appendix III – Channel Sample Information

Table 11 - Channel Sample Lengths and Assays Results.

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Fisher	FC1	467001	0.8	0	0.8	0.042	<1
Fisher	FC1	467002	1	0.8	1.8	0.012	<1
Fisher	FC1	467003	1	1.8	2.8	0.01	<1
Fisher	FC1	467004	1	2.8	3.8	0.274	<1
Fisher	FC2	467005	0.6	0	0.6	0.013	<1
Fisher	FC2	467006	0.6	0.6	1.2	0.237	16.56
Fisher	FC2	467007	0.8	1.2	2	0.08	2.17
Fisher	FC2	467008	1	2	3	0.024	<1
Fisher	FC2	467009	1	3	4	0.007	<1
Fisher	FC2	467010	1	4	5	0.012	<1
Fisher	FC2	467011	1	5	6	0.162	<1
Fisher	FC2	467012	0.5	6	6.5	2.591	3.33
Fisher	FC2	467013	1.3	6.5	7.8	0.043	<1
Fisher	FC2	467014	0.8	7.8	8.6	0.222	1.35
Fisher	FC2	467015	1	8.6	9.6	0.007	<1
Fisher	FC2	467016	1.2	9.6	10.8	0.019	<1
Fisher	FC3	467017	1	0	1	0.008	<1
Fisher	FC3	467018	1	1	2	0.034	<1
Fisher	FC3	467019	0.7	2	2.7	2.767	9.07
Fisher	FC3	467021	0.9	2.7	3.6	0.228	<1
Fisher	FC3	467022	1	3.6	4.6	0.029	<1
Fisher	FC3	467023	1	4.6	5.6	0.011	<1
Fisher	FC4	467024	1	0	1	0.01	<1
Fisher	FC4	467025	1	1	2	3.421	8.65
Fisher	FC4	467026	1.4	2	3.4	0.48	<1
Fisher	FC5	467027	1	0	1	1.024	3.62
Fisher	FC5	467028	1.3	1	2.3	0.204	<1
Fisher	FC12	467029	1	0	1	0.804	2.31
Fisher	FC12	467030	0.6	1	1.6	0.169	1.2
Fisher	FC12	467031	1	1.6	2.6	0.047	<1
Fisher	FC12	467032	0.9	2.6	3.5	0.474	<1
Fisher	FC12	467033	0.7	3.5	4.2	0.009	<1
Fisher	FC12	467034	0.6	4.2	4.8	0.008	<1
Fisher	FC12	467035	0.5	4.8	5.3	0.091	3.24
Fisher	FC12	467036	0.3	5.3	5.6	0.072	1.47
Fisher	FC12	467037	1	5.6	6.6	0.02	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Fisher	FC12	467038	1.3	6.6	7.9	0.039	<1
Fisher	FC14	467039	0.6	0	0.6	1.346	7.18
Fisher	FC14	467041	1.3	0.6	1.9	17.617	53.11
Fisher	FC14	467042	0.4	1.9	2.3	0.325	<1
Fisher	FC14	467043	0.8	2.3	3.1	0.032	<1
Fisher	FC6	467044	1	0	1	0.05	<1
Fisher	FC8	467045	0.6	0	0.6	0.048	<1
Fisher	FC6	467046	1	1	2	0.064	<1
Fisher	FC9	467047	0.8	0	0.8	0.012	<1
Fisher	FC9	467048	0.7	0.8	1.5	0.013	<1
Fisher	FC9	467049	0.5	1.5	2	0.009	<1
Fisher	FC7	467050	0.7	0	0.7	0.11	<1
Fisher	FC7	467051	1	0.7	1.7	0.023	<1
Fisher	FC7	467052	1	1.7	2.7	0.011	<1
Fisher	FC10	467053	1	0	1	<0.005	<1
Fisher	FC10	467054	1	1	2	0.005	<1
Fisher	FC10	467055	1.6	2	3.6	0.007	<1
Fisher	FC10	467056	1.5	3.6	5.1	0.029	1.29
Fisher	FC10	467057	0.6	5.1	5.7	0.017	<1
Fisher	FC10	467058	0.7	5.7	6.4	0.008	<1
Fisher	FC10	467059	0.6	6.4	7	0.031	<1
Fisher	FC10	467061	0.7	7	7.7	0.051	<1
Fisher	FC10	467062	0.5	7.7	8.2	0.097	<1
Fisher	FC10	467063	1	8.2	9.2	0.009	<1
Fisher	FC15	467064	1.6	0	1.6	0.007	<1
Fisher	FC15	467065	1	1.6	2.6	0.007	<1
Fisher	FC15	467066	1	2.6	3.6	0.015	<1
Fisher	FC15	467067	1	3.6	4.6	0.008	<1
Fisher	FC15	467068	0.9	4.6	5.5	0.007	<1
Fisher	FC15	467069	1	5.5	6.5	0.012	<1
Fisher	FC15	467070	1	6.5	7.5	0.009	<1
Fisher	FC15	467071	0.5	7.5	8	0.011	<1
Fisher	FC17	467072	0.9	0	0.9	0.061	<1
Fisher	FC17	467073	1	0.9	1.9	0.04	<1
Fisher	FC17	467074	0.8	1.9	2.7	0.01	<1
Fisher	FC17	467075	0.7	2.7	3.4	0.012	<1
Fisher	FC17	467076	0.8	3.4	4.2	0.086	<1
Fisher	FC17	467077	0.8	4.2	5	0.213	1.13
Fisher	FC17	467078	0.6	5	5.6	0.006	<1
Fisher	FC17	467079	0.6	5.6	6.2	0.008	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Fisher	FC16	467081	0.5	0	0.5	0.013	<1
Fisher	FC13	467082	0.6	0	0.6	0.049	<1
Fisher	FC13	467083	1	0.6	1.6	0.022	<1
Fisher	FC13	467084	0.7	1.6	2.3	0.01	<1
Fisher	FC18	467085	1	0	1	0.05	<1
Fisher	FC18	467086	0.9	1	1.9	1.708	6.46
Fisher	FC18	467087	1	1.9	2.9	0.092	<1
Fisher	FC19	467088	0.7	0	0.7	0.014	<1
Fisher	FC19	467089	1	0.7	1.7	0.018	<1
Fisher	FC19	467090	1	1.7	2.7	0.039	<1
Fisher	FC19	467091	0.8	2.7	3.5	0.027	<1
Fisher	FC19	467092	0.7	3.5	4.2	0.008	<1
Fisher	FC19	467093	1	4.2	5.2	0.03	<1
Fisher	FC19	467094	1	5.2	6.2	0.023	<1
Fisher	FC19	467095	1	6.2	7.2	0.01	<1
Fisher	FC19	467096	1	7.2	8.2	0.077	<1
Fisher	FC19	467097	1.4	8.2	9.6	1.607	8.96
Fisher	FC19	467098	1	9.6	10.6	0.059	<1
Fisher	FC19	467099	0.6	10.6	11.2	0.016	<1
Fisher	FC19	467101	0.9	11.2	12.1	0.078	<1
Fisher	FC19	467102	0.5	12.1	12.6	0.015	<1
Fisher	FC19	467103	1	12.6	13.6	0.01	<1
Fisher	FC19	467104	1.1	13.6	14.7	0.024	<1
Fisher	FC19	467105	1.2	14.7	15.9	0.011	<1
Fisher	FC20	467106	1.1	0	1.1	0.205	0
Fisher	FC20	467107	0.8	1.1	1.9	3.996	27.83
Fisher	FC20	467108	0.6	1.9	2.5	0.947	5.04
Fisher	FC20	467109	1	2.5	3.5	0.032	<1
Fisher	FC21	467111	1	0	1	0.019	<1
Fisher	FC21	467112	1	1	2	0.094	<1
Fisher	FC21	467113	1	2	3	0.306	<1
Fisher	FC21	467114	1	3	4	0.136	<1
Fisher	FC21	467115	0.5	4	4.5	1.656	5.65
Fisher	FC21	467116	1	4.5	5.5	1.083	4.68
Fisher	FC21	467117	1	5.5	6.5	0.086	<1
Fisher	FC21	467118	1.2	6.5	7.7	0.234	<1
Fisher	FC22	467119	1	0	1	0.33	1.4
Fisher	FC22	467121	1.3	1	2.3	1.52	7.5
Fisher	FC22	467122	1.5	2.3	3.8	2.99	13
Fisher	FC22	467123	1	3.8	4.8	0.12	0.6

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Fisher	FC22	467124	1	4.8	5.8	1.79	1.4
Fisher	FC22	467125	1	5.8	6.8	0.01	0.3
Fisher	FC23	467126	0.6	0	0.6	0.08	0.3
Fisher	FC23	467127	0.9	0.6	1.5	1.09	4.3
Fisher	FC23	467128	1	1.5	2.5	0.30	1.1
Fisher	FC23	467129	0.8	2.5	3.3	0.02	< 0.2
Fisher	FC23	467130	1	3.3	4.3	0.11	0.3
Fisher	FC23	467131	1	4.3	5.3	0.28	1
Fisher	FC23	467132	1	5.3	6.3	0.37	0.8
Fisher	FC23	467133	1	6.3	7.3	0.05	0.5
Fisher	FC23	467134	1	7.3	8.3	0.04	0.3
Fisher	FC23	467135	0.8	8.3	9.1	0.01	< 0.2
Fisher	FC23	467136	0.5	9.1	9.6	0.17	0.7
Fisher	FC23	467137	1	9.6	10.6	0.02	< 0.2
Fisher	FC24	467138	1.7	0	1.7	0.08	0.3
Fisher	FC24	467139	1.2	1.7	2.9	0.14	0.5
Fisher	FC24	467141	1.2	2.9	4.1	0.50	1.5
Fisher	FC24	467142	1	4.1	5.1	0.09	0.2
Fisher	FC25	467143	1	0	1	0.11	0.3
Fisher	FC25	467144	1	1	2	0.40	1.2
Fisher	FC25	467145	1.1	2	3.1	0.13	1.2
Fisher	FC25	467146	1	3.1	4.1	0.26	0.8
Fisher	FC25	467147	1	4.1	5.1	0.32	1.4
Fisher	FC25	467148	1	5.1	6.1	1.16	4.9
Fisher	FC25	467149	1	6.1	7.1	0.23	0.7
Fisher	FC26	467150	1	0	1	0.36	9.5
Fisher	FC26	467151	0.5	1	1.5	0.11	0.5
Fisher	FC26	467152	1.1	1.5	2.6	0.06	0.3
Fisher	FC26	467153	1	2.6	3.6	0.27	1.1
Fisher	FC26	467154	0.6	3.6	4.2	0.18	0.8
Fisher	FC26	467155	1	4.2	5.2	0.06	0.2
Fisher	FC26	467156	1	5.2	6.2	0.32	1.1
Fisher	FC26	467157	0.9	6.2	7.1	0.38	0.6
Fisher	FC26	467158	1	7.1	8.1	0.03	< 0.2
Fisher	FC27	467159	1	0	1	0.14	0.4
Fisher	FC27	467161	1	1	2	0.04	< 0.2
Fisher	FC27	467162	1	2	3	0.32	0.9
Fisher	FC27	467163	1.2	3	4.2	0.25	0.4
Fisher	FC27	467164	1	4.2	5.2	0.03	< 0.2
Fisher	FC28	467165	1	0	1	0.03	< 0.2

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Fisher	FC28	467166	1	1	2	0.21	< 0.2
Fisher	FC28	467167	1	2	3	0.03	< 0.2
Fisher	FC28	467168	1	3	4	0.17	0.4
Fisher	FC28	467169	1	4	5	0.03	< 0.2
Fisher	FC28	467170	1	5	6	0.01	< 0.2
Fisher	FC29	467171	0.6	0	0.6	0.07	< 0.2
Fisher	FC29	467172	0.7	0.6	1.3	0.45	1.8
Fisher	FC29	467173	1	1.3	2.3	0.11	0.3
Fisher	FC29	467174	1.1	2.3	3.4	0.39	1
Fisher	FC29	467175	1	3.4	4.4	0.08	< 0.2
Fisher	FC29	467176	1.2	4.4	5.6	0.09	< 0.2
Fisher	FC30	467177	1	0	1	0.01	< 0.2
Fisher	FC31	467178	1	0	1	0.00	< 0.2
Fisher	FC31	467179	1	1	2	0.01	< 0.2
Fisher	FC33	467181	1.3	0	1.3	0.016	<1
Fisher	FC33	467182	1	1.3	2.3	0.099	<1
Fisher	FC33	467183	1	2.3	3.3	0.022	<1
Fisher	FC33	467184	0.8	3.3	4.1	0.03	<1
Fisher	FC33	467185	1	4.1	5.1	0.037	<1
Fisher	FC33	467186	1	5.1	6.1	0.163	<1
Fisher	FC33	467187	1.5	6.1	7.6	0.194	<1
Fisher	FC33	467188	0.7	7.6	8.3	1.048	2.68
Fisher	FC33	467189	1	8.3	9.3	0.828	1.29
Fisher	FC33	467190	0.5	9.3	9.8	0.83	1.6
Fisher	FC34	467191	1.4	0	1.4	0.806	<1
Fisher	FC34	467192	0.9	1.4	2.3	0.009	<1
Fisher	FC34	467193	0.7	2.3	3	0.035	<1
Fisher	FC34	467194	1	3	4	0.074	<1
Fisher	FC34	467195	1	4	5	1.693	2.06
Fisher	FC34	467196	0.7	5	5.7	0.528	<1
Fisher	FC34	467197	0.8	5.7	6.5	0.351	2.51
Fisher	FC34	467198	1	6.5	7.5	4.633	10.43
Fisher	FC34	467199	1	7.5	8.5	16.780	12.76
Fisher	FC34	467201	1	8.5	9.5	0.043	<1
Fisher	FC34	467202	1	9.5	10.5	0.043	<1
Fisher	FC35	467203	1	0	1	0.054	<1
Fisher	FC35	467204	0.9	1	1.9	0.01	<1
Fisher	FC35	467205	0.9	1.9	2.8	0.057	<1
Fisher	FC35	467206	0.5	2.8	3.3	34.017	21.94
Fisher	FC35	467207	0.5	3.3	3.8	0.654	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Fisher	FC36	467208	1	0	1	0.41	1.1
Fisher	FC36	467209	0.5	1	1.5	0.11	0.4
Fisher	FC36	467210	1	1.5	2.5	0.32	0.5
Fisher	FC37	467211	0.7	0	0.7	0.12	0.3
Fisher	FC37	467212	1	0.7	1.7	0.52	1.4
Fisher	FC37	467213	1	1.7	2.7	0.14	0.5
Fisher	FC38	467214	1.2	0	1.2	2.14	2
Fisher	FC39	467215	1.2	0	1.2	1.14	0.7
Fisher	FC39	467216	1	1.2	2.2	0.57	0.7
Fisher	FC40	467217	1	0	1	0.52	1
Fisher	FC40	467218	1	1	2	1.16	1.8
Fisher	FC40	467219	1	2	3	1.38	1.6
Fisher	FC40	467221	1	3	4	1.39	1.5
Fisher	FC41	467222	1	0	1	0.60	0.7
Fisher	FC41	467223	0.5	1	1.5	0.03	0.2
Fisher	FC41	467224	0.9	1.5	2.4	0.01	< 0.2
Fisher	FC41	467225	0.7	2.4	3.1	0.00	< 0.2
Fisher	FC41	467226	1	3.1	4.1	0.01	< 0.2
Fisher	FC41	467227	0.5	4.1	4.6	0.01	< 0.2
McKellar	M1	467228	1	0	1	2.07	17.3
McKellar	M1	467229	1.4	1	2.4	0.20	1.4
McKellar	M1	467230	1.2	2.4	3.6	0.06	1.2
McKellar	M1	467231	1	3.6	4.6	0.02	< 0.2
McKellar	M1	467232	1	4.6	5.6	0.09	0.4
McKellar	M1	467233	1	5.6	6.6	0.05	0.2
McKellar	M2	467234	1.2	0	1.2	0.01	< 0.2
McKellar	M2	467235	0.5	1.2	1.7	0.08	0.5
McKellar	M2	467236	0.6	1.7	2.3	2.02	12
McKellar	M2	467237	0.5	2.3	2.8	0.23	1.4
McKellar	M2	467238	0.8	2.8	3.6	0.11	0.6
McKellar	M2	467239	0.5	3.6	4.1	0.44	2.5
McKellar	M2	467241	1	4.1	5.1	0.01	< 0.2
McKellar	M2	467242	1	5.1	6.1	0.01	< 0.2
McKellar	M2	467243	1	6.1	7.1	0.06	0.6
McKellar	M2	467244	1	7.1	8.1	0.24	1.6
McKellar	M3	467245	0.5	0	0.5	2.96	26.2
McKellar	M4	467246	1	0	1	0.19	0.8
McKellar	M4	467247	0.7	1	1.7	1.44	7.2
McKellar	M4	467248	0.35	1.7	2.05	0.83	7.4
McKellar	M4	467249	0.5	2.05	2.55	0.20	1.2

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
McKellar	M4	467250	1.2	2.55	3.75	0.40	3.1
McKellar	M4	467251	1	3.75	4.75	0.03	0.4
McKellar	M4	467252	0.5	4.75	5.25	0.01	0.3
McKellar	M5	467253	0.9	0	0.9	1.10	9.9
McKellar	M5	467254	0.8	0.9	1.7	0.44	3
McKellar	M5	467255	0.7	1.7	2.4	0.30	1.9
McKellar	M5	467256	0.4	2.4	2.8	1.13	9.1
McKellar	M6	467257	0.9	0	0.9	0.11	0.5
McKellar	M6	467258	0.8	0.9	1.7	0.80	6.3
McKellar	M6	467259	1.1	1.7	2.8	1.15	9.2
McKellar	M6	467261	0.4	2.8	3.2	0.35	2.3
McKellar	M6	467262	0.9	3.2	4.1	0.17	1.1
McKellar	M6	467263	1	4.1	5.1	0.01	< 0.2
McKellar	M7	467264	1	0	1	0.01	< 0.2
McKellar	M7	467265	0.7	1	1.7	0.14	0.6
McKellar	M7	467266	1.4	1.7	3.1	1.93	15.8
McKellar	M7	467267	1	3.1	4.1	0.74	5.2
McKellar	M7	467268	0.5	4.1	4.6	0.18	1.6
McKellar	M7	467269	0.5	4.6	5.1	0.19	1.1
McKellar	M8	467270	0.7	0	0.7	1.53	9.3
McKellar	M8	467271	0.9	0.7	1.6	0.10	0.7
McKellar	M8	467272	0.7	1.6	2.3	0.16	1.8
McKellar	M8	467273	1	2.3	3.3	0.48	3.4
McKellar	M9	467274	0.8	0	0.8	2.15	28
McKellar	M10	467275	0.7	0	0.7	0.03	0.5
McKellar	M10	467276	0.7	0.7	1.4	1.64	18.1
McKellar	M10	467277	0.9	1.4	2.3	0.12	0.8
McKellar	M10	467278	1.1	2.3	3.4	0.15	0.8
McKellar	M10	467279	0.55	3.4	3.95	0.05	0.3
McKellar	M10	467281	0.3	3.95	4.25	3.31	19.6
McKellar	M10	467282	1	4.25	5.25	0.01	< 0.2
McKellar	M11	467283	1	0	1	0.028	<1
McKellar	M11	467284	1	1	2	0.011	<1
McKellar	M11	467285	1	2	3	0.006	<1
McKellar	M11	467286	0.9	3	3.9	0.005	<1
McKellar	M11	467287	1	3.9	4.9	<0.005	<1
McKellar	M11	467288	1	4.9	5.9	<0.005	<1
McKellar	M11	467289	1	5.9	6.9	0.063	<1
McKellar	M11	467290	0.8	6.9	7.7	5.044	25.87
McKellar	M11	467291	1.3	7.7	9	1.111	14.52

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
McKellar	M11	467292	1	9	10	0.042	<1
McKellar	M11	467293	1	10	11	0.068	<1
McKellar	M11	467294	0.7	11	11.7	0.028	<1
McKellar	M11	467295	0.8	11.7	12.5	0.005	<1
McKellar	M11	467296	1	12.5	13.5	0.027	<1
McKellar	M11	467297	0.9	13.5	14.4	3.011	22.95
McKellar	M12	467298	0.7	0	0.7	0.644	4.96
McKellar	M13	467299	1	0	1	0.012	<1
McKellar	M13	467301	0.6	1	1.6	2.289	13.92
McKellar	M13	467302	0.6	1.6	2.2	7.767	86.4
McKellar	M13	467303	0.9	2.2	3.1	1.473	14.24
McKellar	M13	467304	1	3.1	4.1	0.555	4.06
McKellar	M13	467305	0.5	4.1	4.6	0.024	<1
McKellar	M13	467306	1	4.6	5.6	0.016	<1
McKellar	M13	467307	1	5.6	6.6	0.047	<1
McKellar	M13	467308	0.4	6.6	7	0.181	<1
McKellar	M13	467309	0.7	7	7.7	0.111	<1
McKellar	M13	467310	0.8	7.7	8.5	0.006	<1
McKellar	M13	467311	0.9	8.5	9.4	0.025	<1
McKellar	M13	467312	0.6	9.4	10	0.374	1.98
McKellar	M13	467313	1	10	11	0.017	<1
McKellar	M14	467314	0.7	0	0.7	0.005	<1
McKellar	M14	467315	0.8	0.7	1.5	0.008	<1
McKellar	M14	467316	1	1.5	2.5	0.012	<1
McKellar	M14	467317	1.1	2.5	3.6	0.008	<1
McKellar	M14	467318	1	3.6	4.6	0.372	2.05
McKellar	M14	467319	0.3	4.6	4.9	1.26	5.42
McKellar	M14	467321	0.5	4.9	5.4	0.298	1.66
McKellar	M14	467322	0.5	5.4	5.9	1.038	7.29
McKellar	M14	467325	1	5.9	6.9	0.03	<1
McKellar	M14	467326	1.3	6.9	8.2	0.062	<1
McKellar	M14	467327	0.8	8.2	9	0.454	1.93
McKellar	M14	467328	1	9	10	0.011	<1
McKellar	M14	467329	1	10	11	0.006	<1
McKellar	M14	467330	0.5	11	11.5	0.019	<1
McKellar	M15	467331	0.8	0	0.8	0.618	4.05
McKellar	M15	467332	0.5	0.8	1.3	0.026	<1
McKellar	M17	467333	1	0	1	0.144	<1
McKellar	M17	467334	1	1	2	0.436	2.5
McKellar	M17	467335	0.7	2	2.7	0.044	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
McKellar	M17	467336	1	2.7	3.7	3.029	22.4
McKellar	M17	467337	1	3.7	4.7	0.054	<1
McKellar	M17	467338	1	4.7	5.7	0.037	<1
McKellar	M17	467339	0.8	5.7	6.5	0.027	<1
McKellar	M17	467341	1	6.5	7.5	0.071	<1
McKellar	M17	467342	1	7.5	8.5	0.013	<1
McKellar	M17	467343	0.8	8.5	9.3	0.009	<1
McKellar	M17	467344	1	9.3	10.3	<0.005	<1
McKellar	M18	467345	0.7	0	0.7	0.023	<1
McKellar	M19	467346	0.7	0	0.7	0.07	<1
McKellar	M20	467347	1	0	1	0.006	<1
McKellar	M20	467348	1	1	2	0.049	<1
McKellar	M20	467349	0.5	2	2.5	0.01	<1
McKellar	M20	467350	1.6	2.5	4.1	0.116	<1
McKellar	M20	467351	0.5	4.1	4.6	0.012	<1
McKellar	M21	467352	1	0	1	0.031	<1
McKellar	M21	467353	0.9	1	1.9	0.009	<1
McKellar	M21	467354	0.7	1.9	2.6	0.049	<1
McKellar	M21	467355	0.5	2.6	3.1	0.31	<1
McKellar	M21	467356	1	3.1	4.1	0.254	<1
McKellar	M22	467357	1	0	1	0.019	<1
McKellar	M22	467358	1.4	1	2.4	1.21	2
McKellar	M22	467359	1	2.4	3.4	0.19	0.5
McKellar	M23	467361	1	0	1	0.12	0.3
McKellar	M24	467362	1	0	1	0.02	0.3
McKellar	M24	467363	1	1	2	0.01	< 0.2
McKellar	M24	467364	1	2	3	0.00	< 0.2
McKellar	M24	467365	0.8	3	3.8	0.00	< 0.2
McKellar	M25	467366	0.5	0	0.5	0.02	0.2
McKellar	M25	467367	0.9	0.5	1.4	0.23	4
McKellar	M25	467368	1	1.4	2.4	0.00	< 0.2
McKellar	M26	467369	1	0	1	0.14	0.6
McKellar	M26	467370	0.4	1	1.4	0.01	< 0.2
McKellar	M26	467371	0.6	1.4	2	0.00	< 0.2
McKellar	M26	467372	0.6	2	2.6	0.26	0.8
McKellar	M26	467373	0.4	2.6	3	0.20	1
McKellar	M26	467374	0.4	3	3.4	0.58	1.2
McKellar	M26	467375	0.5	3.4	3.9	0.25	0.9
McKellar	M27	467376	0.7	0	0.7	0.10	1.3
McKellar	M27	467377	1	0.7	1.7	0.01	< 0.2

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
McKellar	M27	467378	0.6	1.7	2.3	0.00	< 0.2
McKellar	M27	467379	0.5	2.3	2.8	0.10	0.5
McKellar	M27	467381	0.8	2.8	3.6	0.08	0.7
McKellar	M27	467382	0.6	3.6	4.2	0.02	< 0.2
McKellar	M28	467383	1	0	1	0.13	< 0.2
McKellar	M28	467384	1	1	2	0.11	0.7
McKellar	M28	467385	1.5	2	3.5	0.16	1
McKellar	M28	467386	1	3.5	4.5	0.00	< 0.2
McKellar	M29	467387	1.5	0	1.5	0.21	0.4
McKellar	M29	467388	1	1.5	2.5	0.08	0.6
McKellar	M29	467389	1	2.5	3.5	0.00	< 0.2
McKellar	M30	467390	1	0	1	0.02	< 0.2
McKellar	M30	467391	1.1	1	2.1	0.10	0.6
McKellar	M30	467392	0.4	2.1	2.5	0.06	0.5
McKellar	M30	467393	0.3	2.5	2.8	n/a	n/a
McKellar	M30	467394	0.8	2.8	3.6	0.10	1
McKellar	M31	467395	0.5	0	0.5	0.01	< 0.2
McKellar	M31	467396	0.8	0.5	1.3	0.10	0.9
McKellar	M31	467397	0.7	1.3	2	0.03	0.6
McKellar	M31	467398	1	2	3	0.00	< 0.2
McKellar	M32	467399	0.9	0	0.9	0.02	0.3
McKellar	M32	467401	1.2	0.9	2.1	0.04	0.4
McKellar	M32	467402	1	2.1	3.1	0.01	< 0.2
McKellar	M33	467403	0.7	0	0.7	1.24	5.2
McKellar	M34	467404	1.2	0	1.2	0.04	0.5
McKellar	M34	467405	1	1.2	2.2	0.07	0.9
McKellar	M34	467406	0.3	2.2	2.5	0.01	< 0.2
McKellar	M34	467407	0.7	2.5	3.2	0.02	0.4
McKellar	M34	467408	0.6	3.2	3.8	0.09	0.5
McKellar	M34	467409	0.8	3.8	4.6	0.02	0.3
McKellar	M34	467410	1	4.6	5.6	0.02	< 0.2
McKellar	M35	467411	0.9	0	0.9	0.03	0.2
McKellar	M35	467412	1	0.9	1.9	0.04	0.3
McKellar	M35	467413	0.8	1.9	2.7	0.06	0.6
McKellar	M35	467414	1	2.7	3.7	0.38	2.3
McKellar	M35	467415	0.5	3.7	4.2	0.01	0.8
McKellar	M35	467416	1	4.2	5.2	0.04	0.8
McKellar	M35	467417	1	5.2	6.2	0.09	0.7
McKellar	M35	467418	0.5	6.2	6.7	0.15	0.5
McKellar	M35	467419	1	6.7	7.7	0.05	0.5

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
McKellar	M35	467421	1	7.7	8.7	0.054	<1
McKellar	M35	467422	1.4	8.7	10.1	0.014	<1
Fisher	FC32	467423	1.0	0	1	0.009	<1
Fisher	FC32	467424	0.8	1	1.8	0.023	<1
Matt Berry	BC1	467425	0.8	0	0.8	0.01	< 0.2
Matt Berry	BC1	467426	1.1	0.8	1.9	0.02	< 0.2
Matt Berry	BC1	467427	1	1.9	2.9	0.01	0.6
Matt Berry	BC1	467428	1	2.9	3.9	0.01	< 0.2
Matt Berry	BC1	467429	1	3.9	4.9	0.41	< 0.2
Matt Berry	BC1	467430	1	4.9	5.9	0.02	< 0.2
Matt Berry	BC2	467431	1.2	0	1.2	0.03	0.3
Matt Berry	BC2	467432	1	1.2	2.2	0.26	0.2
Matt Berry	BC3	467433	0.7	0	0.7	0.00	< 0.2
Matt Berry	BC3	467434	1.4	0.7	2.1	0.00	< 0.2
Matt Berry	BC4	467435	0.5	0	0.5	0.01	< 0.2
Matt Berry	BC4	467436	0.5	0.5	1	0.00	< 0.2
Matt Berry	BC4	467437	0.8	1	1.8	0.00	< 0.2
Matt Berry	BC4	467438	1.2	1.8	3	0.00	< 0.2
Matt Berry	BC4	467439	1.2	3	4.2	0.01	0.5
Matt Berry	BC5	467441	1	4.2	5.2	0.00	< 0.2
Matt Berry	BC5	467442	0.8	0	0.8	0.01	< 0.2
Matt Berry	BC5	467443	1	0.8	1.8	0.01	0.2
Matt Berry	BC5	467444	1	1.8	2.8	0.01	< 0.2
Matt Berry	BC5	467445	1	2.8	3.8	0.03	0.2
Matt Berry	BC6	467446	0.5	3.8	4.3	0.00	< 0.2
Matt Berry	BC7	467447	0.5	0	0.5	0.03	< 0.2
Matt Berry	BC8	467448	1.5	0	1.5	0.01	< 0.2
Matt Berry	BC8	467449	1.5	0	1.5	0.01	0.2
Matt Berry	BC8	467450	1.1	1.5	2.6	0.01	< 0.2
Matt Berry	BC9	467451	0.6	2.6	3.2	0.01	< 0.2
Matt Berry	BC9	467452	1	0	1	0.01	0.3
Matt Berry	BC9	467453	1	1	2	0.02	0.4
Matt Berry	BC9	467454	0.6	2	2.6	0.01	< 0.2
Matt Berry	BC9	467455	0.9	2.6	3.5	0.02	< 0.2
Leo 2	Leo_2_1	467539	1.4	0	1.4	0.065	<1
Leo 2	Leo_2_2	467541	1	0	1	0.042	<1
Leo 2	Leo_2_2	467542	1	1	2	0.07	<1
Leo 2	Leo_2_2	467543	1	2	3	0.155	<1
Leo 2	Leo_2_2	467544	1	3	4	0.022	<1
Leo 2	Leo_2_2	467545	0.6	4	4.6	0.038	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Leo 2	Leo_2_2	467546	1	4.6	5.6	0.009	<1
Leo 2	Leo_2_2	467547	1	5.6	6.6	0.096	<1
Leo 2	Leo_2_2	467548	1	6.6	7.6	0.049	<1
Leo 2	Leo_2_2	467549	0.8	7.6	8.4	<0.005	<1
Leo 2	Leo_2_3	467550	0.5	0	0.5	<0.005	<1
Leo 2	Leo_2_3	467551	0.6	0.5	1.1	0.011	<1
Leo 2	Leo_2_3	467552	0.6	1.1	1.7	0.033	<1
Leo 2	Leo_2_3	467553	1	1.7	2.7	0.135	<1
Leo 2	Leo_2_3	467554	1.2	2.7	3.9	0.245	1.52
Leo 2	Leo_2_3	467555	1	3.9	4.9	0.107	<1
Leo 2	Leo_2_3	467556	1	4.9	5.9	0.013	<1
Leo 2	Leo_2_3	467557	0.5	5.9	6.4	0.006	<1
Leo 2	Leo_2_4	467558	1	0	1	0.017	<1
Leo 2	Leo_2_4	467559	1	1	2	0.017	<1
Leo 2	Leo_2_4	467561	0.8	2	2.8	0.128	<1
Leo 2	Leo_2_4	467562	1	2.8	3.8	0.464	<1
Leo 2	Leo_2_4	467563	1	3.8	4.8	0.491	1.52
Leo 2	Leo_2_4	467564	1.3	4.8	6.1	0.338	<1
Leo 2	Leo_2_4	467565	1	6.1	7.1	0.022	<1
Leo 2	Leo_2_5	467566	1	0	1	0.008	<1
Leo 2	Leo_2_5	467567	1	1	2	<0.005	<1
Leo 2	Leo_2_5	467568	1	2	3	<0.005	<1
Leo 2	Leo_2_5	467569	1	3	4	0.008	<1
Leo 2	Leo_2_5	467570	0.4	4	4.4	0.071	<1
Leo 2	Leo_2_5	467571	1	4.4	5.4	0.022	<1
Leo 2	Leo_2_5	467572	0.6	5.4	6	0.061	<1
Leo 2	Leo_2_5	467573	1.2	6	7.2	0.512	1.12
Leo 2	Leo_2_5	467574	0.8	7.2	8	0.898	3.46
Leo 2	Leo_2_6	467575	1.3	0	1.3	0.038	<1
Leo 2	Leo_2_6	467576	1	1.3	2.3	0.035	<1
Leo 2	Leo_2_6	467577	1	2.3	3.3	<0.005	<1
Leo 2	Leo_2_6	467578	1	3.3	4.3	0.009	<1
Leo 2	Leo_2_6	467579	1	4.3	5.3	0.01	<1
Leo 2	Leo_2_6	467581	1	5.3	6.3	0.006	<1
Leo 2	Leo_2_6	467582	1	6.3	7.3	0.015	<1
Leo 2	Leo_2_6	467583	1	7.3	8.3	0.011	<1
Leo 2	Leo_2_6	467584	1	8.3	9.3	0.033	<1
Leo 2	Leo_2_6	467585	1	9.3	10.3	0.019	<1
Leo 2	Leo_2_6	467586	1	10.3	11.3	<0.005	<1
Leo 2	Leo_2_6	467587	1	11.3	12.3	<0.005	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Leo 2	Leo_2_6	467588	1	12.3	13.3	<0.005	<1
Leo 2	Leo_2_6	467589	1	13.3	14.3	<0.005	<1
Leo 2	Leo_2_7	467590	1.2	0	1.2	<0.005	<1
Leo 2	Leo_2_8	467591	1	0	1	0.385	2.43
Leo 2	Leo_2_8	467592	1	1	2	0.364	0
Leo 2	Leo_2_9	467593	1	0	1	0.304	0
Leo 2	Leo_2_9	467594	0.8	1	1.8	0.202	0
Leo 2	Leo_2_9	467595	1.3	1.8	3.1	2.888	20.46
Leo 2	Leo_2_9	467596	1	3.1	4.1	1.427	7.95
Leo 2	Leo_2_9	467597	1	4.1	5.1	0.114	<1
Leo 2	Leo_2_9	467598	1.4	5.1	6.5	0.039	<1
Leo 2	Leo_2_10	467599	0.8	0	0.8	<0.005	<1
Leo 2	Leo_2_10	467601	0.8	0.8	1.6	0.027	<1
Leo 2	Leo_2_10	467602	0.8	1.6	2.4	0.111	<1
Leo 2	Leo_2_10	467603	1	2.4	3.4	0.163	<1
Leo 2	Leo_2_10	467604	1	3.4	4.4	0.249	1.4
Leo 2	Leo_2_10	467605	1	4.4	5.4	0.079	<1
Leo 2	Leo_2_10	467606	1	5.4	6.4	0.03	<1
Leo 2	Leo_2_10	467607	1	6.4	7.4	0.009	<1
Leo 2	Leo_2_11	467608	1.3	0	1.3	0.022	<1
Leo 2	Leo_2_11	467609	1	1.3	2.3	0.041	<1
Leo 2	Leo_2_11	467610	0.5	2.3	2.8	0.902	4.58
Leo 2	Leo_2_11	467611	1.2	2.8	4	4.464	39.02
Leo 2	Leo_2_11	467612	0.7	4	4.7	0.114	<1
Leo 2	Leo_2_11	467613	1	4.7	5.7	0.032	<1
Leo 2	Leo_2_11	467614	0.8	5.7	6.5	0.029	<1
Leo 2	Leo_2_12	467615	0.5	0	0.5	0.022	<1
Leo 2	Leo_2_12	467616	1	0.5	1.5	0.008	<1
Leo 2	Leo_2_12	467617	1	1.5	2.5	0.008	<1
Leo 2	Leo_2_12	467618	0.5	2.5	3	0.011	<1
Leo 2	Leo_2_12	467619	1.3	3	4.3	0.288	1.52
Leo 2	Leo_2_12	467621	1.1	4.3	5.4	0.016	<1
Leo 2	Leo_2_12	467622	1	5.4	6.4	0.036	<1
Leo 2	Leo_2_12	467623	0.5	6.4	6.9	0.01	<1
Leo 2	Leo_2_12	467624	1	6.9	7.9	0.008	<1
Leo 2	Leo_2_12	467625	1	7.9	8.9	0.007	<1
Leo 2	Leo_2_12	467626	1	8.9	9.9	0.01	<1
Leo 2	Leo_2_13	467627	1	0	1	0.016	<1
Leo 2	Leo_2_13	467628	1	1	2	0.042	<1
Leo 2	Leo_2_13	467629	1	2	3	0.038	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Leo 2	Leo_2_13	467630	1	3	4	0.022	<1
Leo 2	Leo_2_13	467631	1	4	5	0.021	<1
Leo 2	Leo_2_13	467632	1	5	6	0.032	<1
Leo 2	Leo_2_13	467633	1	6	7	0.012	<1
Leo 2	Leo_2_13	467634	1	7	8	0.015	<1
Leo 2	Leo_2_13	467635	1	8	9	0.021	<1
Leo 2	Leo_2_13	467636	1	9	10	0.032	<1
Leo 2	Leo_2_13	467637	1	10	11	0.012	<1
Leo 2	Leo_2_13	467638	1	11	12	0.016	<1
Leo 2	Leo_2_13	467639	1	12	13	0.021	<1
Leo 2	Leo_2_13	467641	1	13	14	0.019	<1
Leo 2	Leo_2_13	467642	1.1	14	15.1	0.011	<1
Leo 2	Leo_2_13	467643	1	15.1	16.1	0.018	<1
Leo 2	Leo_2_13	467644	1	16.1	17.1	0.018	<1
Leo 2	Leo_2_14	467645	1	0	1	0.033	<1
Leo 2	Leo_2_14	467646	0.7	1	1.7	0.535	1.44
Leo 2	Leo_2_14	467647	1	1.7	2.7	0.06	<1
Leo 2	Leo_2_14	467648	0.5	2.7	3.2	0.111	<1
Leo 2	Leo_2_14	467649	0.5	3.2	3.7	0.02	<1
Leo 2	Leo_2_14	467650	1	3.7	4.7	0.038	<1
Leo 2	Leo_2_15	467651	0.8	0	0.8	0.031	<1
Leo 2	Leo_2_16	467652	0.5	0	0.5	<0.005	<1
Leo 2	Leo_2_16	467653	1	0.5	1.5	<0.005	<1
Leo 2	Leo_2_16	467654	1	1.5	2.5	0.008	<1
Leo 2	Leo_2_16	467655	1	2.5	3.5	0.933	3.94
Leo 2	Leo_2_16	467656	0.3	3.5	3.8	0.102	<1
Leo 2	Leo_2_16	467657	0.9	3.8	4.7	0.011	<1
Leo 3	Leo_3_1	467658	1	0	1	<0.005	<1
Leo 3	Leo_3_1	467659	1	1	2	<0.005	<1
Leo 3	Leo_3_1	467661	1	2	3	<0.005	<1
Leo 3	Leo_3_2	467662	0.8	0	0.8	<0.005	<1
Leo 3	Leo_3_3	467663	0.3	0	0.3	<0.005	<1
Leo 3	Leo_3_3	467664	1	0.3	1.3	<0.005	<1
Leo 3	Leo_3_3	467665	1	1.3	2.3	<0.005	<1
Leo 3	Leo_3_3	467666	1	2.3	3.3	<0.005	<1
Leo 3	Leo_3_3	467667	1	3.3	4.3	<0.005	<1
Leo 3	Leo_3_3	467668	1	4.3	5.3	<0.005	<1
Leo 3	Leo_3_4	467669	1	0	1	<0.005	<1
Leo 3	Leo_3_4	467670	1	1	2	<0.005	<1
Leo 3	Leo_3_4	467671	1	2	3	<0.005	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Leo 3	Leo_3_4	467672	1	3	4	<0.005	<1
Leo 3	Leo_3_4	467673	1	4	5	<0.005	<1
Leo 3	Leo_3_4	467674	1	5	6	<0.005	<1
Leo 3	Leo_3_4	467675	1	6	7	<0.005	<1
Leo 3	Leo_3_4	467676	1.3	7	8.3	<0.005	<1
Leo 3	Leo_3_4	467677	0.6	8.3	8.9	<0.005	<1
Leo 3	Leo_3_4	467678	1	8.9	9.9	<0.005	<1
Leo 3	Leo_3_4	467679	0.8	9.9	10.7	<0.005	<1
Leo 3	Leo_3_4	467681	1.2	10.7	11.9	0.008	<1
Leo 3	Leo_3_4	467682	0.7	11.9	12.6	0.091	<1
Leo 3	Leo_3_4	467683	0.2	12.6	12.8	<0.005	<1
Leo 3	Leo_3_4	467684	1	12.8	13.8	<0.005	<1
Leo 3	Leo_3_4	467685	0.65	13.8	14.45	<0.005	<1
Leo 3	Leo_3_4	467686	0.7	14.45	15.15	<0.005	<1
Leo 3	Leo_3_5	467687	1	0	1	<0.005	<1
Leo 3	Leo_3_5	467688	1	1	2	<0.005	<1
Leo 3	Leo_3_5	467689	1	2	3	<0.005	<1
Leo 3	Leo_3_5	467690	1	3	4	<0.005	<1
Leo 3	Leo_3_5	467691	1	4	5	<0.005	<1
Leo 3	Leo_3_5	467692	1	5	6	<0.005	<1
Leo 3	Leo_3_5	467693	0.7	6	6.7	<0.005	<1
Leo 3	Leo_3_6	467694	0.8	0	0.8	<0.005	1.27
Leo 3	Leo_3_7	467695	1	0	1	<0.005	<1
Leo 3	Leo_3_7	467696	1	1	2	<0.005	<1
Leo 4	Leo_4_1	467697	1.4	0	1.4	<0.005	<1
Leo 4	Leo_4_1	467698	1	1.4	2.4	<0.005	<1
Leo 4	Leo_4_1	467699	1	2.4	3.4	0.015	<1
Leo 4	Leo_4_1	467701	1	3.4	4.4	0.064	<1
Leo 4	Leo_4_2	467702	1.6	0	1.6	0.02	<1
Leo 4	Leo_4_2	467703	1.6	1.6	3.2	0.02	<1
Leo 4	Leo_4_2	467704	1	3.2	4.2	0.026	<1
Leo 4	Leo_4_2	467705	1	4.2	5.2	0.056	<1
Leo 4	Leo_4_3	467706	1.3	0	1.3	0.03	<1
Leo 4	Leo_4_3	467707	1	1.3	2.3	<0.005	<1
Leo 4	Leo_4_3	467708	1	2.3	3.3	0.033	<1
Leo 4	Leo_4_3	467709	1	3.3	4.3	<0.005	<1
Leo 4	Leo_4_3	467710	1	4.3	5.3	<0.005	<1
Leo 4	Leo_4_3	467711	1	5.3	6.3	0.018	<1
Leo 4	Leo_4_3	467712	1	6.3	7.3	0.005	<1
Leo 4	Leo_4_3	467713	1	7.3	8.3	<0.005	<1

Trench ID	Channel ID	Sample ID	Length (m)	From (m)	To (m)	Au (g/t)	Ag (g/t)
Leo 4	Leo_4_3	467714	1	8.3	9.3	<0.005	<1
Leo 4	Leo_4_3	467715	1	9.3	10.3	<0.005	<1
Leo 4	Leo_4_3	467716	1	10.3	11.3	<0.005	<1
Leo 4	Leo_4_3	467717	1	11.3	12.3	<0.005	<1
Leo 4	Leo_3_8	467718	1	0	1	0.007	<1

19 Appendix IV – Structural Measurements

Neil Pettigrew, a senior Geologist with Fladgate Exploration, visited the Huronian Property on September 9th and 12th, October 23rd, November 3rd, 16th and 17th, 2016. Numerous old and newly exposed trenches were visited including the Fisher, McKellar, Pele West, and Leo zones.

The Ardeen-style mineralization differs from typical Archean lode gold in that it is associated with high amounts of silver and base metals, primarily copper and lead. Structurally, however, the Ardeen mineralization is very similar to other lode gold systems being hosted in complex shear zones. The historic Ardeen mine is hosted within a large mineralized system of NE-SW-trending shear zones occurring along the western margin of the Shebandowan Greenstone Belt. Mineralization has been traced for over 3 km along the Ardeen shear as well as another parallel structure (La Rose), which is hosted within turbidites located to west of the Huronian Property. The La Rose structure has mineralization defined over a 4 km strike length.

Much of the Author's efforts were to determine ore shoot geometry. The best exposure for structural analysis was in the new trenching on the McKellar zone, specifically the McKellar Pits area (Figure 13). This trench exposed several large vertical faces that allowed observation of various linear features, all the observations below were recorded from this area.

Figure 13 - McKellar Pits area located on a flexure of the McKellar Shear where it touches and then departs from the Ardeen Shear (located in the swamp in the upper left of the picture). Note the multiple parallel boudinaged veins.

Historically, a northward ~50° rake to the mineralization has been interpreted from the historic Ardeen mine workings. The Author did not observe any linear feature in this orientation. However, there is a strong early flat mineral lineation (Figure 14 and Figure 15). This mineral lineation is quite pervasive and appears to be associated with the majority of strain which produced the shearing. This flat orientation is not observed in the Ardeen workings, which opens the possibility that it may predate the veining and gold mineralization.

Figure 14 - Strong horizontal (234˚/8˚) mineral stretching lineations within the McKellar Shear.

Figure 15 - Strong horizontal (73˚/5˚) stretching lineations in the McKellar shear parallel to the pervasive mineral lineation.

Another dominant feature of the Ardeen mineralization is the strong boudinaging of the veining (Figure 16, Figure 17, Figure 18). This boudinaging can be quite intense and result in attenuation of the boudin neck resulting in isolated quartz boudins. In the McKellar Pits area, the boudinaged quartz veins are continuous, despite having narrow necks. The boudins also display a consistent NW plunge straight down the dip of the shear. This steep NW-trending plunge can be seen locally within the stope plans of the Ardeen mine, however this does not explain the moderate northward mine trend plunge.

Since no moderate northward linear features were observed in the trenches, another explanation is required. It is possible that this empirically observed ore shoot plunge is the result of the intersection of different shears. The McKellar Shear varies in dip, presenting as a shallowly-dipping structure in the northeastern part of the trench (~60˚-70˚), compared to the more vertical Ardeen Shear. Intersection of the two orientations may have produced a moderately NW-plunging intersection lineation, and these intersection lineations may have been the dominant control on ore shoot geometry.

Figure 16 - Boudin plunging steeply to the NW (311˚/73˚) on the McKellar Shear.

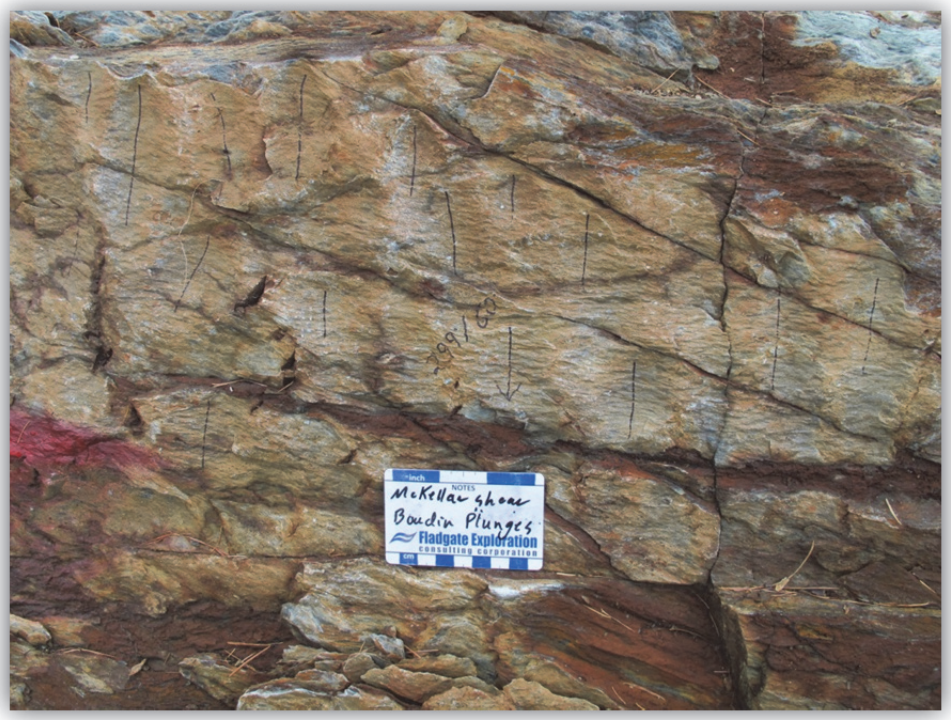

Figure 17 - Steeply NW plunging (299˚/60˚) boudins in the McKellar Shear.

Figure 18 - Large quartz vein boudin in the McKellar Pits area.

An additional note is that historically the highest grades at the Ardeen mine were found within late cross-cutting quartz veins of limited extent. Although not yet tested by assay, some of these late veins may have been observed in the McKellar Pits area (Figure 19). These veins appear to be late tension veins related to the latter stages of boudin development. More work defining the controls and orientation of this late veining event is needed.

The Author also spent some time on the Fisher zone. The character of the mineralization here differs from the McKellar shear in that it consists of an anastomosing set of narrow (2 m or less) shear zones. The highest grade are within the Fisher zone, where the shear cross-cuts a unit of iron formation. The geometry of this iron formation unit should be mapped on surface and modelled in 3D, as the intersection of the Fisher shears with this unit will form their own intersection lineation.

Figure 19 - Late quartz veining cross-cutting a mineralized quartz vein boudin in the McKellar Pits area.

20 Appendix V – Assay Certificates

The following assay certificates accompany this document:

1. 201641920 (Accurassay Labs)
2. 201642050 (Accurassay Labs)
3. 201642098 (Accurassay Labs)
4. 201642428 (Accurassay Labs)
5. 201642401 (Accurassay Labs)
6. A17-07278 (Activation Labs)
7. A17-08117 (Activation Labs)

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Monday, December 5, 2016

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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 11/28/2016
Date Completed: 12/05/2016
Job #: 201642428
Reference: KES_HUR
Sample #: 7

Acc #	Client ID	Au g/t (ppm)
241050	330688	5.705
241051	330689	6.868
241052	330690	0.113
241053	330691	6.110
241054	330692	0.093
241055	330693	0.023
241056	330694	0.064
241057	330694 Dup	0.063

APPLIED SCOPES: ALP2, ALFA2, ALMA1

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Derek Demianiuk, VP Quality

Authorized By:
Derek Demianiuk, VP Quality

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Reference: KES_HUR
Sample #: 7

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.056	1.100	0.060

APPLIED SCOPES: ALP2, ALFA2, ALMA1

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Date Received: 11/22/2016
Date Completed: 12/05/2016
Job #: 201642401
Reference: KES_HUR
Sample #: 405

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239163	467001	0.042		<1
239164	467002	0.012		<1
239165	467003	0.010		<1
239166	467004	0.274		<1
239167	467005	0.013		<1
239168	467006	0.237		16.56
239169	467007	0.080		2.17
239170	467008	0.024		<1
239171	467009	0.007		<1
239172	467010	0.012		<1
239173	467010 Dup	0.014		<1
239174	467011	0.162		<1
239175	467012	2.591		3.33
239176	467013	0.043		<1
239177	467014	0.222		1.35
239178	467015	0.007		<1
239179	467016	0.019		<1
239180	467017	0.008		<1
239181	467018	0.034		<1
239182	467019	2.767		9.07
239183	467020	1.033		2.12
239184	467020	Insufficient Sample		
239185	467021	0.228		<1
239186	467022	0.029		<1
239187	467023	0.011		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Sample #: 405

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239188	467024	0.010		<1
239189	467025	3.421		8.65
239190	467026	0.480		<1
239191	467027	1.024		3.62
239192	467028	0.204		<1
239193	467029	0.804		2.31
239194	467030	0.169		1.20
239195	467030 Dup	0.164		<1
239196	467031	0.047		<1
239197	467032	0.474		<1
239198	467033	0.009		<1
239199	467034	0.008		<1
239200	467035	0.091		3.24
239201	467036	0.072		1.47
239202	467037	0.020		<1
239203	467038	0.039		<1
239204	467039	1.346		7.18
239205	467040	0.032		<1
239206	467040 Dup	0.040		<1
239207	467041	>10.000	17.617	53.11
239208	467042	0.325		<1
239209	467043	0.032		<1
239210	467044	0.050		<1
239211	467045	0.048		<1
239212	467046	0.064		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239213	467047	0.012		<1
239214	467048	0.013		<1
239215	467049	0.009		<1
239216	467050	0.110		<1
239217	467050 Dup	0.113		<1
239218	467051	0.023		<1
239219	467052	0.011		<1
239220	467053	<0.005		<1
239221	467054	0.005		<1
239222	467055	0.007		<1
239223	467056	0.029		1.29
239224	467057	0.017		<1
239225	467058	0.008		<1
239226	467059	0.031		<1
239227	467060	5.606		1.18
239228	467060	Insufficient Sample		
239229	467061	0.051		<1
239230	467062	0.097		<1
239231	467063	0.009		<1
239232	467064	0.007		<1
239233	467065	0.007		<1
239234	467066	0.015		<1
239235	467067	0.008		<1
239236	467068	0.007		<1
239237	467069	0.012		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239238	467070	0.009		<1
239239	467070 Dup	0.009		<1
239240	467071	0.011		<1
239241	467072	0.061		<1
239242	467073	0.040		<1
239243	467074	0.010		<1
239244	467075	0.012		<1
239245	467076	0.086		<1
239246	467077	0.213		1.13
239247	467078	0.006		<1
239248	467079	0.008		<1
239249	467080	<0.005		<1
239250	467080 Dup	<0.005		<1
239251	467081	0.013		<1
239252	467082	0.049		<1
239253	467083	0.022		<1
239254	467084	0.010		<1
239255	467085	0.050		<1
239256	467086	1.708		6.46
239257	467087	0.092		<1
239258	467088	0.014		<1
239259	467089	0.018		<1
239260	467090	0.039		<1
239261	467090 Dup	0.040		<1
239262	467091	0.027		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Sample #: 405

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239263	467092	0.008		<1
239264	467093	0.030		<1
239265	467094	0.023		<1
239266	467095	0.010		<1
239267	467096	0.077		<1
239268	467097	1.607		8.96
239269	467098	0.059		<1
239270	467099	0.016		<1
239271	467100	>10.000	13.435	14.39
239272	467100	Insufficient Sample		
239273	467101	0.078		<1
239274	467102	0.015		<1
239275	467103	0.010		<1
239276	467104	0.024		<1
239277	467105	0.011		<1
239278	467106	0.205		<1
239279	467107	3.996		27.83
239280	467108	0.947		5.04
239281	467109	0.032		<1
239282	467111	0.019		<1
239283	467111 Dup	0.022		<1
239284	467112	0.094		<1
239285	467113	0.306		<1
239286	467114	0.136		<1
239287	467115	1.656		5.65

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Date Received: 11/22/2016
Date Completed: 12/05/2016
Job #: 201642401
Reference: KES_HUR
Sample #: 405

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239288	467116	1.083		4.68
239289	467117	0.086		<1
239290	467118	0.234		<1
239291	467181	0.016		<1
239292	467182	0.099		<1
239293	467183	0.022		<1
239294	467183 Rep	0.015		<1
239295	467184	0.030		<1
239296	467185	0.037		<1
239297	467186	0.163		<1
239298	467187	0.194		<1
239299	467188	1.048		2.68
239300	467189	0.828		1.29
239301	467190	0.830		1.60
239302	467191	0.806		<1
239303	467192	0.009		<1
239304	467193	0.035		<1
239305	467193 Dup	0.035		<1
239306	467194	0.074		<1
239307	467195	1.693		2.06
239308	467196	0.528		<1
239309	467197	0.351		2.51
239310	467198	4.633		10.43
239311	467199	>10.000	16.780	12.76
239312	467200	0.020		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Job #: 201642401
Reference: KES_HUR
Sample #: 405

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239313	467201	0.043		<1
239314	467202	0.043		<1
239315	467203	0.054		<1
239316	467203 Dup	0.041		<1
239317	467204	0.010		<1
239318	467205	0.057		<1
239319	467206	>10.000	34.017	21.94
239320	467207	0.654		<1
239321	467283	0.028		<1
239322	467284	0.011		<1
239323	467285	0.006		<1
239324	467286	0.005		<1
239325	467287	<0.005		<1
239326	467288	<0.005		<1
239327	467288 Dup	<0.005		<1
239328	467289	0.063		<1
239329	467290	5.044		25.87
239330	467291	1.111		14.52
239331	467292	0.042		<1
239332	467293	0.068		<1
239333	467294	0.028		<1
239334	467295	0.005		<1
239335	467296	0.027		<1
239336	467297	3.011		22.95
239337	467298	0.644		4.96

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Derek Demianiuk, VP Quality

Authorized By:
Derek Demianiuk, VP Quality

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Email: michael.thompson@fladgateexploration.com

Date Received: 11/22/2016
Date Completed: 12/05/2016
Job #: 201642401
Reference: KES_HUR
Sample #: 405

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239338	467298 Dup	0.636		4.73
239339	467299	0.012		<1
239340	467300	0.982		1.91
239341	467301	2.289		13.92
239342	467302	7.767		86.40
239343	467303	1.473		14.24
239344	467304	0.555		4.06
239345	467305	0.024		<1
239346	467306	0.016		<1
239347	467307	0.047		<1
239348	467308	0.181		<1
239349	467308 Dup	0.192		<1
239350	467309	0.111		<1
239351	467310	0.006		<1
239352	467311	0.025		<1
239353	467312	0.374		1.98
239354	467313	0.017		<1
239355	467314	0.005		<1
239356	467315	0.008		<1
239357	467316	0.012		<1
239358	467317	0.008		<1
239359	467318	0.372		2.05
239360	467318 Rep	0.342		1.60
239361	467319	1.260		5.42
239362	467320	0.011		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239363	467321	0.298		1.66
239364	467322	1.038		7.29
239365	467323	No Sample Received		
239366	467324	No Sample Received		
239367	467325	0.030		<1
239368	467326	0.062		<1
239369	467327	0.454		1.93
239370	467328	0.011		<1
239371	467328 Dup	0.008		<1
239372	467329	0.006		<1
239373	467330	0.019		<1
239374	467331	0.618		4.05
239375	467332	0.026		<1
239376	467333	0.144		<1
239377	467334	0.436		2.50
239378	467335	0.044		<1
239379	467336	3.029		22.40
239380	467337	0.054		<1
239381	467338	0.037		<1
239382	467338 Dup	0.033		<1
239383	467339	0.027		<1
239384	467340	5.396		1.55
239385	467341	0.071		<1
239386	467342	0.013		<1
239387	467343	0.009		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239388	467344	<0.005		<1
239389	467345	0.023		<1
239390	467346	0.070		<1
239391	467347	0.006		<1
239392	467348	0.049		<1
239393	467348 Dup	0.053		<1
239394	467349	0.010		<1
239395	467350	0.116		<1
239396	467351	0.012		<1
239397	467352	0.031		<1
239398	467353	0.009		<1
239399	467354	0.049		<1
239400	467355	0.310		<1
239401	467356	0.254		<1
239402	467357	0.019		<1
239403	467420	<0.005		<1
239404	467420 Dup	<0.005		<1
239405	467421	0.054		<1
239406	467422	0.014		<1
239407	467423	0.009		<1
239408	467424	0.023		<1
239409	467539	0.065		<1
239410	467540	1.046		2.24
239411	467541	0.042		<1
239412	467542	0.070		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239413	467543	0.155		<1
239414	467544	0.022		<1
239415	467544 Dup	0.020		<1
239416	467545	0.038		<1
239417	467546	0.009		<1
239418	467547	0.096		<1
239419	467548	0.049		<1
239420	467549	<0.005		<1
239421	467550	<0.005		<1
239422	467551	0.011		<1
239423	467552	0.033		<1
239424	467553	0.135		<1
239425	467554	0.245		1.52
239426	467554 Rep	0.247		<1
239427	467555	0.107		<1
239428	467556	0.013		<1
239429	467557	0.006		<1
239430	467558	0.017		<1
239431	467559	0.017		<1
239432	467560	>10.000	14.631	14.69
239433	467561	0.128		<1
239434	467562	0.464		<1
239435	467563	0.491		1.52
239436	467564	0.338		<1
239437	467564 Dup	0.322		<1

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239438	467565	0.022		<1
239439	467566	0.008		<1
239440	467567	<0.005		<1
239441	467568	<0.005		<1
239442	467569	0.008		<1
239443	467570	0.071		<1
239444	467571	0.022		<1
239445	467572	0.061		<1
239446	467573	0.512		1.12
239447	467574	0.898		3.46
239448	467574 Dup	0.917		4.84
239449	467575	0.038		<1
239450	467576	0.035		<1
239451	467577	<0.005		<1
239452	467578	0.009		<1
239453	467579	0.010		<1
239454	467580	<0.005		<1
239455	467581	0.006		<1
239456	467582	0.015		<1
239457	467583	0.011		<1
239458	467584	0.033		<1
239459	467584 Dup	0.033		<1
239460	467585	0.019		<1
239461	467586	<0.005		<1
239462	467587	<0.005		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239463	467588	<0.005		<1
239464	467589	<0.005		<1
239465	467590	<0.005		<1
239466	467591	0.385		2.43
239467	467592	0.364		<1
239468	467593	0.304		<1
239469	467594	0.202		<1
239470	467594 Dup	0.193		<1
239471	467595	2.888		20.46
239472	467596	1.427		7.95
239473	467597	0.114		<1
239474	467598	0.039		<1
239475	467599	<0.005		<1
239476	467600	0.992		2.06
239477	467601	0.027		<1
239478	467602	0.111		<1
239479	467603	0.163		<1
239480	467604	0.249		1.40
239481	467604 Dup	0.252		1.06
239482	467605	0.079		<1
239483	467606	0.030		<1
239484	467607	0.009		<1
239485	467608	0.022		<1
239486	467609	0.041		<1
239487	467610	0.902		4.58

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239488	467611	4.464		39.02
239489	467612	0.114		<1
239490	467613	0.032		<1
239491	467614	0.029		<1
239492	467614 Rep	0.027		<1
239493	467615	0.022		<1
239494	467616	0.008		<1
239495	467617	0.008		<1
239496	467618	0.011		<1
239497	467619	0.288		1.52
239498	467620	<0.005		<1
239499	467621	0.016		<1
239500	467622	0.036		<1
239501	467623	0.010		<1
239502	467624	0.008		<1
239503	467624 Dup	0.013		<1
239504	467625	0.007		<1
239505	467626	0.010		<1
239506	467627	0.016		<1
239507	467628	0.042		<1
239508	467629	0.038		<1
239509	467630	0.022		<1
239510	467631	0.021		<1
239511	467632	0.032		<1
239512	467633	0.012		<1

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239513	467634	0.015		<1
239514	467634 Dup	0.013		<1
239515	467635	0.021		<1
239516	467636	0.032		<1
239517	467637	0.012		<1
239518	467638	0.016		<1
239519	467639	0.021		<1
239520	467640	4.968		1.25
239521	467641	0.019		<1
239522	467642	0.011		<1
239523	467643	0.018		<1
239524	467644	0.018		<1
239525	467644 Dup	0.024		<1
239526	467645	0.033		<1
239527	467646	0.535		1.44
239528	467647	0.060		<1
239529	467648	0.111		<1
239530	467649	0.020		<1
239531	467650	0.038		<1
239532	467651	0.031		<1
239533	467652	<0.005		<1
239534	467653	<0.005		<1
239535	467654	0.008		<1
239536	467654 Dup	0.007		<1
239537	467655	0.933		3.94

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239538	467656	0.102		<1
239539	467657	0.011		<1
239540	467658	<0.005		<1
239541	467659	<0.005		<1
239542	467660	<0.005		<1
239543	467661	<0.005		<1
239544	467662	<0.005		<1
239545	467663	<0.005		<1
239546	467664	<0.005		<1
239547	467664 Dup	<0.005		<1
239548	467665	<0.005		<1
239549	467666	<0.005		<1
239550	467667	<0.005		<1
239551	467668	<0.005		<1
239552	467669	<0.005		<1
239553	467670	<0.005		<1
239554	467671	<0.005		<1
239555	467672	<0.005		<1
239556	467673	<0.005		<1
239557	467674	<0.005		<1
239558	467674 Rep	0.005		<1
239559	467675	<0.005		<1
239560	467676	<0.005		<1
239561	467677	<0.005		<1
239562	467678	<0.005		<1

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239563	467679	<0.005		<1
239564	467680	>10.000	13.633	15.38
239565	467681	0.008		<1
239566	467682	0.091		<1
239567	467683	<0.005		<1
239568	467684	<0.005		<1
239569	467684 Dup	<0.005		<1
239570	467685	<0.005		<1
239571	467686	<0.005		<1
239572	467687	<0.005		<1
239573	467688	<0.005		<1
239574	467689	<0.005		<1
239575	467690	<0.005		<1
239576	467691	<0.005		<1
239577	467692	<0.005		<1
239578	467693	<0.005		<1
239579	467694	<0.005		1.27
239580	467694 Dup	<0.005		<1
239581	467695	<0.005		<1
239582	467696	<0.005		<1
239583	467697	<0.005		<1
239584	467698	<0.005		<1
239585	467699	0.015		<1
239586	467700	<0.005		<1
239587	467701	0.064		<1

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm	Ag ppm
239588	467702	0.020		<1
239589	467703	0.020		<1
239590	467704	0.026		<1
239591	467704 Dup	0.026		<1
239592	467705	0.056		<1
239593	467706	0.030		<1
239594	467707	<0.005		<1
239595	467708	0.033		<1
239596	467709	<0.005		<1
239597	467710	<0.005		<1
239598	467711	0.018		<1
239599	467712	0.005		<1
239600	467713	<0.005		<1
239601	467714	<0.005		<1
239602	467714 Dup	<0.005		<1
239603	467715	<0.005		<1
239604	467716	<0.005		<1
239605	467717	<0.005		<1
239606	467718	0.007		<1
239607	467719	0.989		2.25

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Derek Demianiuk, VP Quality

Authorized By:
Derek Demianiuk, VP Quality

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ACCURASSAY LABORATORIES
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Monday, December 5, 2016

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
Thunder Bay, , CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 11/22/2016
Date Completed: 12/05/2016
Job #: 201642401
Reference: KES_HUR
Sample #: 405

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.025	1.100	0.060
WW06	Au	0.964	1.100	0.060
WW06	Au	1.153	1.100	0.060
WW06	Au	1.206	1.100	0.060
GS45	Au	2.901	2.920	0.180
WW06	Au	1.094	1.100	0.060
WW06	Au	1.039	1.100	0.060
WW06	Au	1.028	1.100	0.060
WW06	Au	1.067	1.100	0.060
WW06	Au	1.142	1.100	0.060
WW06	Au	1.190	1.100	0.060
WW06	Au	1.039	1.100	0.060
WW06	Au	1.103	1.100	0.060
GS45	Au	2.797	2.920	0.180
WW06	Au	1.006	1.100	0.060
WW06	Au	0.217	1.100	0.060
WW06	Au	1.411	1.100	0.060
WW06	Au	1.153	1.100	0.060
WW06	Au	1.174	1.100	0.060
WW06	Au	1.048	1.100	0.060
WW06	Au	1.102	1.100	0.060
GS37	Au	3.586	3.220	0.210

APPLIED SCOPES: ALP1, ALFA2, ALAgAR1, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Derek Demianiuk, VP Quality

Authorized By:
Derek Demianiuk, VP Quality

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Quality Analysis ... *Innovative Technologies*

Date Submitted: 02-Aug-17
Invoice No.: A17-08117
Invoice Date: 18-Aug-17
Your Reference: KES-HUR

Fladgate Exploration
1158 Russell ST
Suite D
Thunder Bay On P7B5N2
Canada

ATTN: Michael Thompson

CERTIFICATE OF ANALYSIS

37 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Tbay (10000ppb upper limit) Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1E-Ag Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A17-08117**

Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag
Unit Symbol	ppb	ppm
Lower Limit	5	0.2
Method Code	FA-AA	AR-ICP
467425	8	< 0.2
467426	20	< 0.2
467427	12	0.6
467428	8	< 0.2
467429	414	< 0.2
467430	17	< 0.2
467431	27	0.3
467432	261	0.2
467433	< 5	< 0.2
467434	< 5	< 0.2
467435	5	< 0.2
467436	< 5	< 0.2
467437	< 5	< 0.2
467438	< 5	< 0.2
467439	5	0.5
467440	5710	2.0
467441	< 5	< 0.2
467442	5	< 0.2
467443	10	0.2
467444	12	< 0.2
467445	28	0.2
467446	< 5	< 0.2
467447	32	< 0.2
467448	12	< 0.2
467449	12	0.2
467450	6	< 0.2
467451	10	< 0.2
467452	6	0.3
467453	16	0.4
467454	8	< 0.2
467455	20	< 0.2
467456	8	< 0.2
467457	258	1.3
467458	16	0.3
467459	17	< 0.2
467323	3380	26.5
467324	251	2.3

Analyte Symbol	Au	Ag
Unit Symbol	ppb	ppm
Lower Limit	5	0.2
Method Code	FA-AA	AR-ICP
GXR-1 Meas		30.1
GXR-1 Cert		31.0
GXR-4 Meas		3.8
GXR-4 Cert		4.0
GXR-6 Meas		0.3
GXR-6 Cert		1.30
OREAS 218 Meas	542	
OREAS 218 Cert	525	
OREAS 218 Meas	548	
OREAS 218 Cert	525	
OREAS 224 (Fire Assay) Meas	2160	
OREAS 224 (Fire Assay) Cert	2150	
OREAS 224 (Fire Assay) Meas	2210	
OREAS 224 (Fire Assay) Cert	2150	
467434 Orig	< 5	
467434 Dup	< 5	
467437 Orig		< 0.2
467437 Dup		< 0.2
467444 Orig	12	
467444 Dup	11	
467451 Orig		< 0.2
467451 Dup		0.7
467454 Orig	8	
467454 Dup	8	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.2
Method Blank		< 0.2

Quality Analysis ... *Innovative Technologies*

Date Submitted: 17-Jul-17
Invoice No.: A17-07278
Invoice Date: 01-Aug-17
Your Reference:

Fladgate Exploration
1158 Russell ST
Suite D
Thunder Bay On P7B5N2
Canada

ATTN: Michael Thompson

CERTIFICATE OF ANALYSIS

199 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay (10000ppb upper limit) Au - Fire Assay AA (QOP Fire Assay Tbay)
Code 1A3-Tbay Au - Fire Assay Gravimetric (QOP Fire Assay Tbay)
Code 1E-Ag Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A17-07278**

Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
467119	327	1.4	
467120	< 5	< 0.2	
467121	1520	7.5	
467122	2990	13.0	
467123	116	0.6	
467124	1790	1.4	
467125	12	0.3	
467126	79	0.3	
467127	1090	4.3	
467128	297	1.1	
467129	19	< 0.2	
467130	112	0.3	
467131	276	1.0	
467132	367	0.8	
467133	54	0.5	
467134	39	0.3	
467135	7	< 0.2	
467136	170	0.7	
467137	17	< 0.2	
467138	81	0.3	
467139	138	0.5	
467140	918	10.2	
467141	499	1.5	
467142	87	0.2	
467143	109	0.3	
467144	397	1.2	
467145	127	1.2	
467146	256	0.8	
467147	316	1.4	
467148	1160	4.9	
467149	233	0.7	
467150	358	9.5	
467151	113	0.5	
467152	63	0.3	
467153	270	1.1	
467154	182	0.8	
467155	56	0.2	
467156	317	1.1	
467157	378	0.6	
467158	26	< 0.2	
467159	135	0.4	

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
467160	< 5	0.2	
467161	37	< 0.2	
467162	321	0.9	
467163	248	0.4	
467164	27	< 0.2	
467165	26	< 0.2	
467166	210	< 0.2	
467167	27	< 0.2	
467168	174	0.4	
467169	28	< 0.2	
467170	6	< 0.2	
467171	72	< 0.2	
467172	452	1.8	
467173	113	0.3	
467174	394	1.0	
467175	76	< 0.2	
467176	92	< 0.2	
467177	8	< 0.2	
467178	< 5	< 0.2	
467179	8	< 0.2	
467180	5590	2.1	
467208	412	1.1	
467209	107	0.4	
467210	315	0.5	
467211	118	0.3	
467212	523	1.4	
467213	144	0.5	
467214	2140	2.0	
467215	1140	0.7	
467216	570	0.7	
467217	521	1.0	
467218	1160	1.8	
467219	1380	1.6	
467220	> 10000	17.2	13.5
467221	1390	1.5	
467222	596	0.7	
467223	26	0.2	
467224	9	< 0.2	
467225	< 5	< 0.2	
467226	7	< 0.2	
467227	8	< 0.2	
467228	2070	17.3	

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
467229	196	1.4	
467230	55	1.2	
467231	16	< 0.2	
467232	93	0.4	
467233	50	0.2	
467234	11	< 0.2	
467235	84	0.5	
467236	2020	12.0	
467237	230	1.4	
467238	106	0.6	
467239	439	2.5	
467240	< 5	< 0.2	
467241	8	< 0.2	
467242	5	< 0.2	
467243	62	0.6	
467244	242	1.6	
467245	2960	26.2	
467246	190	0.8	
467247	1440	7.2	
467248	825	7.4	
467249	202	1.2	
467250	399	3.1	
467251	27	0.4	
467252	12	0.3	
467253	1100	9.9	
467254	439	3.0	
467255	300	1.9	
467256	1130	9.1	
467257	108	0.5	
467258	799	6.3	
467259	1150	9.2	
467260	874	11.0	
467261	353	2.3	
467262	170	1.1	
467263	10	< 0.2	
467264	9	< 0.2	
467265	137	0.6	
467266	1930	15.8	
467267	744	5.2	
467268	179	1.6	
467269	191	1.1	

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
467270	1530	9.3	
467271	100	0.7	
467272	156	1.8	
467273	478	3.4	
467274	2150	28.0	
467275	29	0.5	
467276	1640	18.1	
467277	115	0.8	
467278	145	0.8	
467279	46	0.3	
467280	< 5	< 0.2	
467281	3310	19.6	
467282	11	< 0.2	
467358	1210	2.0	
467359	194	0.5	
467360	912	9.7	
467361	119	0.3	
467362	22	0.3	
467363	5	< 0.2	
467364	< 5	< 0.2	
467365	< 5	< 0.2	
467366	18	0.2	
467367	232	4.0	
467368	< 5	< 0.2	
467369	142	0.6	
467370	12	< 0.2	
467371	< 5	< 0.2	
467372	263	0.8	
467373	202	1.0	
467374	583	1.2	
467375	250	0.9	
467376	96	1.3	
467377	6	< 0.2	
467378	< 5	< 0.2	
467379	99	0.5	
467380	907	10.5	
467381	77	0.7	
467382	19	< 0.2	
467383	130	< 0.2	
467384	111	0.7	
467385	155	1.0	
467386	< 5	< 0.2	

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
467387	206	0.4	
467388	79	0.6	
467389	< 5	< 0.2	
467390	20	< 0.2	
467391	104	0.6	
467392	58	0.5	
467394	103	1.0	
467395	7	< 0.2	
467396	96	0.9	
467397	33	0.6	
467398	< 5	< 0.2	
467399	21	0.3	
467400	< 5	< 0.2	
467401	39	0.4	
467402	8	< 0.2	
467403	1240	5.2	
467404	35	0.5	
467405	70	0.9	
467406	10	< 0.2	
467407	21	0.4	
467408	88	0.5	
467409	19	0.3	
467410	20	< 0.2	
467411	29	0.2	
467412	40	0.3	
467413	55	0.6	
467414	378	2.3	
467415	10	0.8	
467416	39	0.8	
467417	85	0.7	
467418	151	0.5	
467419	48	0.5	
467420B	5510	2.0	

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
GXR-1 Meas		30.2	
GXR-1 Cert		31.0	
GXR-1 Meas		30.9	
GXR-1 Cert		31.0	
GXR-4 Meas		3.6	
GXR-4 Cert		4.0	
GXR-4 Meas		3.7	
GXR-4 Cert		4.0	
GXR-6 Meas		0.3	
GXR-6 Cert		1.30	
GXR-6 Meas		0.3	
GXR-6 Cert		1.30	
OXN117 Meas			7.70
OXN117 Cert			7.679
OREAS 214 Meas			2.91
OREAS 214 Cert			3.03
OREAS 254 Meas	2520		
OREAS 254 Cert	2550		
OREAS 254 Meas	2530		
OREAS 254 Cert	2550		
OREAS 254 Meas	2550		
OREAS 254 Cert	2550		
OREAS 254 Meas	2580		
OREAS 254 Cert	2550		
OREAS 254 Meas	2550		
OREAS 254 Cert	2550		
OREAS 254 Meas	2570		
OREAS 254 Cert	2550		
OREAS 218 Meas	548		
OREAS 218 Cert	525		
OREAS 218 Meas	551		
OREAS 218 Cert	525		
OREAS 218 Meas	532		
OREAS 218 Cert	525		
OREAS 218 Meas	536		
OREAS 218 Cert	525		
OREAS 218 Meas	532		
OREAS 218 Cert	525		
OREAS 218 Meas	543		
OREAS 218 Cert	525		
467128 Orig	301		

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
467128 Dup	293		
467131 Orig		1.0	
467131 Dup		1.0	
467138 Orig	86		
467138 Dup	76		
467145 Orig		0.8	
467145 Dup		1.6	
467148 Orig	1110		
467148 Dup	1210		
467158 Orig		< 0.2	
467158 Dup		< 0.2	
467163 Orig	246		
467163 Dup	250		
467168 Orig	174	0.4	
467168 Split PREP DUP	195	0.6	
467168 Split PREP DUP		0.6	
467172 Orig		1.8	
467172 Dup		1.8	
467173 Orig	121		
467173 Dup	105		
467210 Orig	337		
467210 Dup	292		
467222 Orig		0.7	
467222 Dup		0.7	
467224 Orig	9		
467224 Dup	9		
467234 Orig	10		
467234 Dup	11		
467236 Orig		11.5	
467236 Dup		12.4	
467244 Orig	246		
467244 Dup	237		
467245 Orig	2960	26.2	
467245 Split PREP DUP	2940	27.5	
467249 Orig		1.1	
467249 Dup		1.2	
467258 Orig	797		
467258 Dup	800		
467263 Orig		< 0.2	

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
467263 Dup		< 0.2	
467268 Orig	181		
467268 Dup	176		
467278 Orig	142		
467278 Dup	148		
467281 Orig		18.8	
467281 Dup		20.3	
467368 Orig	< 5		
467368 Dup	< 5		
467370 Orig	12	< 0.2	
467370 Split PREP DUP	12	< 0.2	
467370 Orig		< 0.2	
467370 Dup		< 0.2	
467378 Orig	< 5		
467378 Dup	< 5		
467383 Orig		< 0.2	
467383 Dup		< 0.2	
467388 Orig	82		
467388 Dup	76		
467398 Orig		< 0.2	
467398 Dup		< 0.2	
467403 Orig	1330		
467403 Dup	1140		
467413 Orig	57		
467413 Dup	52		
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		
Method Blank		< 0.2	
Method Blank		< 0.2	
Method Blank		< 0.2	
Method Blank		< 0.2	
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		
Method Blank	< 5		

Analyte Symbol	Au	Ag	Au
Unit Symbol	ppb	ppm	g/tonne
Lower Limit	5	0.2	0.03
Method Code	FA-AA	AR-ICP	FA-GRA
Method Blank			< 0.03

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Monday, October 24, 2016

Final Certificate

Kesselrun Resources
D-1158 Russel Street
Thunder Bay, ON, CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 10/11/2016
Date Completed: 10/24/2016
Job #: 201642098
Reference:
Sample #: 44

Acc #	Client ID	Au g/t (ppm)
219663	330571	<0.005
219664	330572	0.013
219665	330573	<0.005
219666	330574	<0.005
219667	330575	<0.005
219668	330576	0.084
219669	330577	0.005
219670	330578	0.083
219671	330579	0.028
219672	330580	<0.005
219673	330580 Dup	<0.005
219674	330581	<0.005
219675	330582	0.123
219676	330583	<0.005
219677	330584	0.011
219678	330585	<0.005
219679	330586	0.400
219680	330587	0.181
219681	330588	0.057
219682	330589	<0.005
219683	330590	0.005
219684	330590 Dup	0.007
219685	330591	<0.005
219686	330592	0.007
219687	330593	0.019

APPLIED SCOPES: ALP1, ALFA2, ALMA1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, October 24, 2016

Final Certificate

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Thunder Bay, ON, CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 10/11/2016
Date Completed: 10/24/2016
Job #: 201642098
Reference:
Sample #: 44

Acc #	Client ID	Au g/t (ppm)
219688	330594	<0.005
219689	330595	<0.005
219690	330596	<0.005
219691	330597	<0.005
219692	330598	<0.005
219693	330599	0.034
219694	330600	<0.005
219695	330600 Dup	<0.005
219696	330680	0.808
219697	330681	0.011
219698	330682	0.035
219699	330683	0.011
219700	330684	<0.005
219701	330685	<0.005
219702	330686	0.245
219703	330687	5.807
219704	330709	0.041
219705	330710	<0.005
219706	330710 Dup	<0.005
219707	330711	1.757
219708	330712	0.121
219709	330713	0.018
219710	330714	<0.005

APPLIED SCOPES: ALP1, ALFA2, ALMA1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, October 24, 2016

Final Certificate

Kesselrun Resources
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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 10/11/2016
Date Completed: 10/24/2016
Job #: 201642098
Reference:
Sample #: 44

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)

APPLIED SCOPES: ALP1, ALFA2, ALMA1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Friday, October 21, 2016

Final Certificate

Kesselrun Resources
D-1158 Russel Street
Thunder Bay, ON, CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 10/03/2016
Date Completed: 10/21/2016
Job #: 201642050
Reference:
Sample #: 90

Acc #	Client ID	Au g/t (ppm)
217411	330640	0.007
217412	330641	<0.005
217413	330642	0.009
217414	330643	0.014
217415	330644	0.049
217416	330645	<0.005
217417	330646	2.039
217418	330647	0.298
217419	330648	<0.005
217420	330649	0.295
217421	330649 Dup	0.292
217422	330650	0.038
217423	330651	0.038
217424	330652	0.025
217425	330653	0.020
217426	330654	0.020
217427	330655	0.122
217428	330656	0.011
217429	330657	2.166
217430	330658	2.210
217431	330659	5.099
217432	330659 Dup	4.912
217433	330660	0.080
217434	330661	0.439
217435	330662	0.021

APPLIED SCOPES: ALP1, ALFA2, ALMA1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 10/03/2016
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Reference:
Sample #: 90

Acc #	Client ID	Au g/t (ppm)
217436	330663	0.046
217437	330664	<0.005
217438	330665	<0.005
217439	330666	<0.005
217440	330667	0.022
217441	330668	0.028
217442	330669	1.273
217443	330669 Dup	1.163
217444	330670	<0.005
217445	330671	0.093
217446	330672	0.268
217447	330673	1.692
217448	330674	0.367
217449	330675	0.008
217450	330676	<0.005
217451	330677	0.005
217452	330678	0.016
217453	330679	0.018
217454	330679 Dup	0.008
217455	330521	<0.005
217456	330522	<0.005
217457	330523	<0.005
217458	330524	0.517
217459	330525	0.019
217460	330526	<0.005

APPLIED SCOPES: ALP1, ALFA2, ALMA1

Validated By:
Jason Moore, VP Operations, Assayer

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Job #: 201642050
Reference:
Sample #: 90

Acc #	Client ID	Au g/t (ppm)
217461	330527	0.011
217462	330528	<0.005
217463	330529	<0.005
217464	330530	<0.005
217465	330530 Dup	0.006
217466	330531	<0.005
217467	330532	0.044
217468	330533	0.035
217469	330534	<0.005
217470	330535	0.817
217471	330536	0.060
217472	330537	<0.005
217473	330538	0.026
217474	330539	<0.005
217475	330540	<0.005
217476	330540 Rep	0.016
217477	330541	0.018
217478	330542	0.345
217479	330543	0.052
217480	330544	0.025
217481	330545	<0.005
217482	330546	0.126
217483	330547	0.677
217484	330548	0.291
217485	330549	0.044

APPLIED SCOPES: ALP1, ALFA2, ALMA1

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Reference:
Sample #: 90

Acc #	Client ID	Au g/t (ppm)
217486	330550	<0.005
217487	330550 Dup	<0.005
217488	330551	<0.005
217489	330552	<0.005
217490	330553	0.026
217491	330554	0.068
217492	330555	0.088
217493	330556	<0.005
217494	330557	<0.005
217495	330558	0.005
217496	330559	0.047
217497	330560	0.015
217498	330560 Dup	0.019
217499	330561	0.047
217500	330562	0.019
217501	330563	0.083
217502	330564	0.008
217503	330565	0.061
217504	330566	<0.005
217505	330567	0.005
217506	330568	0.157
217507	330569	<0.005
217508	330570	0.006
217509	330570 Dup	0.010

APPLIED SCOPES: ALP1, ALFA2, ALMA1

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Date Received: 10/03/2016
Date Completed: 10/21/2016
Job #: 201642050
Reference:
Sample #: 90

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.083	1.100	0.060
WW06	Au	1.026	1.100	0.060
WW06	Au	0.996	1.100	0.060
WW06	Au	1.061	1.100	0.060

APPLIED SCOPES: ALP1, ALFA2, ALMA1

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Wednesday, September 28, 2016

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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com, neil.pettigrew@faldgateexploration.com

Date Received: 09/13/2016
Date Completed: 09/28/2016
Job #: 201641920
Reference:
Sample #: 67

Acc #	Client ID	Au g/t (ppm)
206609	330501	0.023
206610	330502	0.007
206611	330503	0.008
206612	330504	0.009
206613	330505	0.009
206614	330506	0.026
206615	330507	0.031
206616	330508	0.030
206617	330509	0.226
206618	330510	0.144
206619	330510 Dup	0.162
206620	330511	<0.005
206621	330512	0.014
206622	330513	0.391
206623	330514	0.101
206624	330515	<0.005
206625	330516	<0.005
206626	330517	0.007
206627	330518	<0.005
206628	330519	<0.005
206629	330520	0.077
206630	330520 Dup	0.074
206631	330601	0.018
206632	330602	0.011
206633	330603	<0.005

APPLIED SCOPES: ALP2, ALFA2, ALMA1

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 09/13/2016
Date Completed: 09/28/2016
Job #: 201641920
Reference:
Sample #: 67

Acc #	Client ID	Au g/t (ppm)
206634	330604	0.134
206635	330605	0.022
206636	330606	0.008
206637	330607	0.379
206638	330608	0.039
206639	330609	0.032
206640	330610	0.014
206641	330610 Dup	0.013
206642	330611	0.321
206643	330612	0.015
206644	330613	0.007
206645	330614	0.025
206646	330615	0.015
206647	330616	0.046
206648	330617	<0.005
206649	330618	<0.005
206650	330619	<0.005
206651	330620	5.202
206652	330620 Dup	5.720
206653	330621	0.020
206654	330622	0.049
206655	330623	<0.005
206656	330624	0.102
206657	330625	0.967
206658	330626	0.006

APPLIED SCOPES: ALP2, ALFA2, ALMA1

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Date Received: 09/13/2016
Date Completed: 09/28/2016
Job #: 201641920
Reference:
Sample #: 67

Acc #	Client ID	Au g/t (ppm)
206659	330627	<0.005
206660	330628	<0.005
206661	330629	<0.005
206662	330630	<0.005
206663	330630 Dup	<0.005
206664	330631	0.118
206665	330632	0.120
206666	330633	0.015
206667	330634	0.174
206668	330635	0.035
206669	330636	0.020
206670	330637	0.570
206671	330638	0.032
206672	330639	0.064
206673	330701	0.445
206674	330701 Rep	0.443
206675	330702	0.762
206676	330703	0.077
206677	330704	0.034
206678	330705	0.080
206679	330706	0.058
206680	330707	0.041
206681	330708	0.238

APPLIED SCOPES: ALP2, ALFA2, ALMA1

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Date Received: 09/13/2016
Date Completed: 09/28/2016
Job #: 201641920
Reference:
Sample #: 67

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.191	1.100	0.060
WW06	Au	1.179	1.100	0.060
WW06	Au	1.084	1.100	0.060
WW06	Au	1.184	1.100	0.060

APPLIED SCOPES: ALP2, ALFA2, ALMA1

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