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Report on 2023 Rock sampling on the Norris Project

Timiskaming District

NAD 1983 UTM Zone 17N

Larder Lake Mining Division

Ontario

Prepared By

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03/06/2024

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1. Summary

The Norris Property is located in Northeastern Ontario north of Highway 66 between Kirland Lake and Matachewan centered around the UTM coordinates 554720E/5321012N (NAD83 Zone 17N). It consists of a 2880-ha land package composed of 129 single cell mining claims situated within the Burt, Eby, Gross and Blain townships owned by Barrick Gold Inc. held in trust to The Claims Group.

Bedrock mapping and sampling was conducted between July 15th to July 18th, 2023 to collect geological data including lithologic, structural and alteration observations. These observations aimed to assess the geological framework of part of the property and assess the potential to host gold mineralization.

A total of 17 observations of lithology and 12 structural measurements (9 planar structures, and 3 linear structures) were collected. Seventeen bedrock samples were taken on the property over the duration of the field campaign. These samples were analyzed at ALS's Thunder Bay processing facilities. Expenditures of $ 33347.75 CAD related to geological mapping and sampling were incurred during the work period. Appendix D documents invoices tied to the field work campaign, which are summarized in Table 11.

Generally, weak gold anomalism was identified within rock samples. However, an elevated background gold value of 5.12 ppb associated to a strongly magnetic gabbro was returned from sampling. Based on program results, a detailed mapping and sampling follow-up program is recommended to further understand the structural and geological context, identify units (i.e syenitic intrusions) and areas of interest, and detect the scale and consistency of anomalisms for economic gold.

2. Introduction

The objective of the 2023 field program was to test the potential for gold in the area by collecting geological information and taking grab samples for geochemical analysis to evaluate background Au. Archean rocks beneath the Proterozoic cover have good prospectivity potential given the proximity to the Cadillac-Larder Lake Fault, associated structures, and lack of work due to the cover.

Generally, weak gold anomalism was identified within rock samples. However, an elevated background gold value of 5.12 ppb associated to a strongly magnetic gabbro was returned from sampling. Moderately altered and strongly magnetic intrusions plus the presence of mafic volcanics with quartz ± carbonate ± sulphide veining and associated chlorite-carbonate alteration represents a first screening test that opens future exploration opportunities. A higher density sampling and mapping campaign is recommended to further understand the structural and geological context, identify units (i.e syenitic intrusions) and areas of interest, and detect the scale and consistency of anomalisms for economic gold.

3. Location, Access, Physiography, Vegetation and Climate

3.1 Property Location and Accessibility

The Norris Property is located in the Timiskaming District-Larder Lake Mining Division in Northeastern Ontario approximately 22 km southwest of Kirland Lake or northeast of Matachewan centered at 554720E/5321012N (NAD83 Zone 17N) (Figure 1).

The northeastern limit of the property can be reached by road from Kirkland Lake heading west on Highway 66 for approximately 18.5 km. Secondary W Rd is accessible by vehicle and departs westwards from Highway 66 and connects with forestry roads that lead to most of the northeast corner of the property. The southwestern limit can be reached from Matachewan heading east on Highway 66 for approximately 27 km then heading north through Watabeag Rd for approximately 4km. Other secondary and forestry roads off highway 66 between Matachewan and Kirkland Lake allow access to most of the center of the property.

3.2 Physiography, Vegetation and Climate

There is little topographic relief in the immediate area of the property. Elevations range between 270 to 330 meters above sea level with swamp and overburden covered areas. Glacial activity is responsible for most of the surficial deposits (dominantly glaciolacustrine and glaciofluvial) and the landforms that occur. Bedrock exposure at surface is often covered by a discontinuous, thin layer of drift. Wet areas are vegetated black spruce, cedar and tag alder. Jack pine, trembling aspen, white birch, white spruce, balsam poplar, and balsam fir are other common trees in the area (Nuhn, et al., 2021).

Temperatures range from +35˚C in the summer months (June-August) and can drop to -35˚C in the winter months (December-March).

4. Claim Status

The Norris Project property consists of 129 contiguous single cell mining claims (Table 1) with a total area of 2880-ha owned by Barrick Gold Inc. held in trust to The Claims Group within the Burt, Eby, Gross and Blain townships (Figure 2).

A generalized figure showing the claim distribution within the Property is presented in Figure 3. Figure 4 thematically displays the expiry date of the claims comprising the Property. All the claims are in good standing.

Table 1. List of claim IDs and tenure IDs for the Norris Property

Claim ID	Tenure Cell ID	Status	Anniversary Date	Township	Tenure %
34041	822817	A	4/11/2025	GROSS	100
34043	822818	A	4/11/2025	GROSS	100
220850	759024	A	11/23/2024	EBY	100
220852	759025	A	11/23/2024	EBY	100
220853	759026	A	11/23/2024	EBY	100
220854	759027	A	11/23/2024	EBY	100
220855	759028	A	11/23/2024	EBY	100
220856	759029	A	11/23/2024	EBY	100
220861	759030	A	11/23/2024	EBY	100
220868	759031	A	11/23/2024	EBY	100

233598	759016	A	11/23/2024	EBY	100
233599	759017	A	11/23/2024	EBY	100
233600	759018	A	11/23/2024	EBY	100
233601	759019	A	11/23/2024	EBY	100
233602	759020	A	11/23/2024	EBY	100
233603	759021	A	11/23/2024	EBY	100
233604	759022	A	11/23/2024	EBY	100
233643	822772	A	4/11/2025	GROSS	100
233644	822773	A	4/11/2025	GROSS	100
233645	822774	A	4/11/2025	GROSS	100
233646	822775	A	4/11/2025	GROSS	100
233647	822776	A	4/11/2025	GROSS	100
233648	822777	A	4/11/2025	GROSS	100
233649	822778	A	4/11/2025	GROSS	100
233650	822779	A	4/11/2025	GROSS	100
233651	822780	A	4/11/2025	GROSS	100
233652	822781	A	4/11/2025	GROSS	100
233653	822782	A	4/11/2025	GROSS	100
233654	822783	A	4/11/2025	GROSS	100
233655	822784	A	4/11/2025	GROSS	100
233656	822785	A	4/11/2025	GROSS	100
233657	822786	A	4/11/2025	BLAIN	100
233658	822787	A	4/11/2025	GROSS	100
235389	822819	A	4/11/2025	GROSS	100
235390	822820	A	4/11/2025	GROSS	100
235391	822821	A	4/11/2025	GROSS	100
235392	822822	A	4/11/2025	GROSS	100
235393	822830	A	4/11/2025	GROSS	100
235394	822823	A	4/11/2025	GROSS	100
235395	822824	A	4/11/2025	GROSS	100
235396	822825	A	4/11/2025	GROSS	100
235397	822826	A	4/11/2025	GROSS	100
235398	822827	A	4/11/2025	GROSS	100
235399	822828	A	4/11/2025	GROSS	100
235400	822829	A	4/11/2025	GROSS	100
235779	822788	A	4/11/2025	GROSS	100
236066	822803	A	4/11/2025	BURT	100
236067	822804	A	4/11/2025	EBY	100
236068	822805	A	4/11/2025	BURT	100
236069	822806	A	4/11/2025	BURT	100
236070	822807	A	4/11/2025	BURT	100

236071	822808	A	4/11/2025	BURT	100
236072	822809	A	4/11/2025	EBY	100
236073	822810	A	4/11/2025	EBY	100
236074	822811	A	4/11/2025	GROSS	100
236075	822812	A	4/11/2025	GROSS	100
236076	822813	A	4/11/2025	GROSS	100
236077	822814	A	4/11/2025	GROSS	100
236078	822815	A	4/11/2025	GROSS	100
236079	822816	A	4/11/2025	BLAIN	100
236080	822831	A	4/11/2025	GROSS	100
236081	822832	A	4/11/2025	GROSS	100
236082	822833	A	4/11/2025	BURT	100
236083	822834	A	4/11/2025	BURT	100
236084	822835	A	4/11/2025	BURT	100
236829	822789	A	4/11/2025	GROSS	100
236830	822790	A	4/11/2025	GROSS	100
236835	822791	A	4/11/2025	GROSS	100
236836	822792	A	4/11/2025	GROSS	100
236840	822793	A	4/11/2025	GROSS	100
236841	822794	A	4/11/2025	BLAIN	100
236842	822795	A	4/11/2025	BURT	100
236843	822796	A	4/11/2025	BURT	100
236844	822797	A	4/11/2025	BURT	100
236845	822798	A	4/11/2025	BURT	100
236846	822799	A	4/11/2025	EBY	100
236862	822800	A	4/11/2025	BURT	100
236863	822801	A	4/11/2025	BURT	100
238012	759023	A	11/23/2024	EBY	100
270943	822802	A	4/11/2025	BURT	100
336336	757285	A	11/16/2024	BURT	100
336337	757286	A	11/16/2024	BURT	100
336338	757287	A	11/16/2024	BURT	100
336339	757288	A	11/16/2024	EBY	100
336340	757289	A	11/16/2024	BURT	100
336341	757290	A	11/16/2024	BURT	100
336342	757291	A	11/16/2024	EBY	100
336343	757292	A	11/16/2024	EBY	100
336344	757293	A	11/16/2024	EBY	100
336345	757294	A	11/16/2024	EBY	100
336346	757295	A	11/16/2024	BURT	100
336347	757296	A	11/16/2024	BURT	100

336348	757297	A	11/16/2024	BURT	100
336349	757298	A	11/16/2024	BURT	100
336350	757299	A	11/16/2024	BURT	100
336351	757300	A	11/16/2024	BURT	100
336352	757301	A	11/16/2024	EBY	100
336353	757302	A	11/16/2024	EBY	100
336354	757303	A	11/16/2024	EBY	100
336382	757304	A	11/16/2024	BURT	100
336383	757305	A	11/16/2024	EBY	100
336384	757306	A	11/16/2024	BURT	100
336385	757307	A	11/16/2024	BURT	100
336386	757308	A	11/16/2024	BURT	100
336387	757309	A	11/16/2024	EBY	100
336388	757310	A	11/16/2024	EBY	100
336389	757311	A	11/16/2024	EBY	100
336390	757312	A	11/16/2024	EBY	100
336391	757313	A	11/16/2024	BURT	100
336392	757314	A	11/16/2024	BURT	100
336393	757315	A	11/16/2024	BURT	100
336394	757316	A	11/16/2024	BURT	100
336395	757317	A	11/16/2024	EBY	100
336396	757318	A	11/16/2024	BURT	100
336420	757319	A	11/16/2024	BURT	100
336421	757320	A	11/16/2024	BURT	100
336422	757321	A	11/16/2024	BURT	100
336423	757322	A	11/16/2024	EBY	100
336424	757323	A	11/16/2024	EBY	100
336425	757324	A	11/16/2024	BURT	100
336426	757325	A	11/16/2024	EBY	100
336427	757326	A	11/16/2024	EBY	100
336428	757327	A	11/16/2024	EBY	100
336429	757328	A	11/16/2024	EBY	100
336430	757329	A	11/16/2024	EBY	100
336431	757330	A	11/16/2024	EBY	100
336432	757331	A	11/16/2024	EBY	100
336433	757332	A	11/16/2024	EBY	100
336434	757333	A	11/16/2024	EBY	100
60981	841572	A	6/26/2025	GROSS	100
60999	841577	A	6/26/2025	GROSS	100

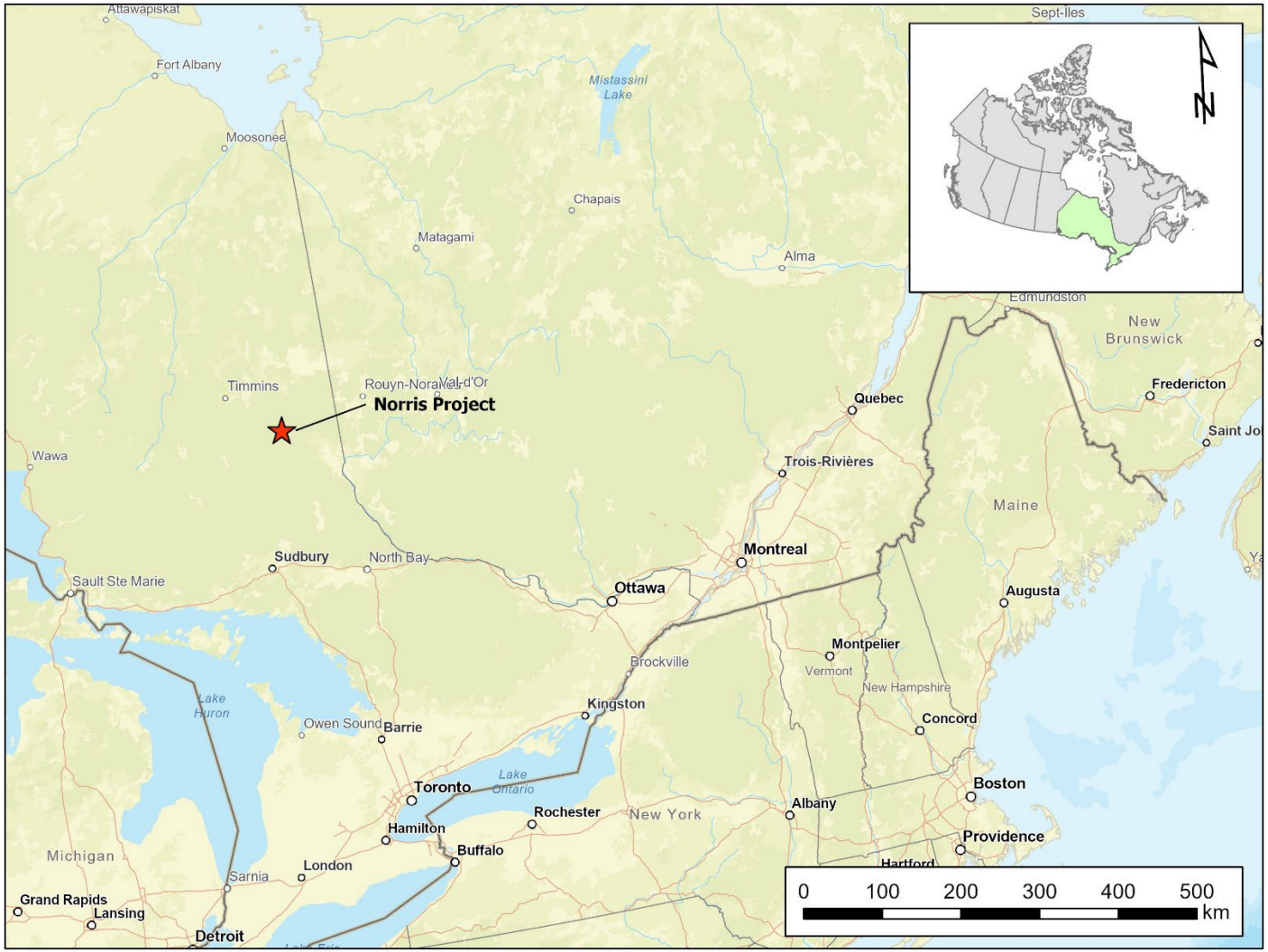


Figure 1. Norris Property Location Map.

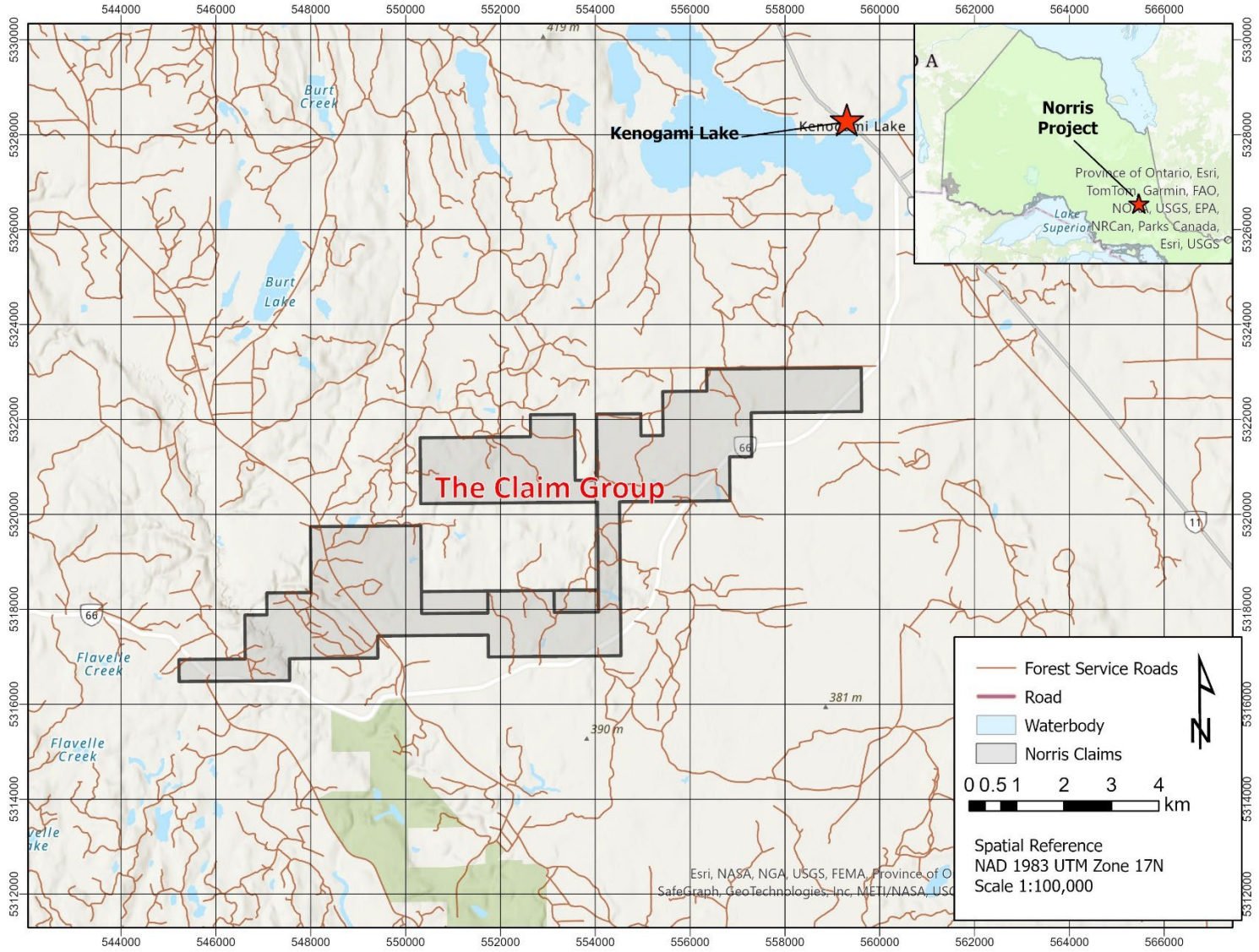


Figure 2. The Claim Group property location map

5. Exploration History

The Norris Project is located within the Cadillac-Larder Lake Fault Zone (CLFZ), a regional scale deformation zone hosting gold in the southern Abitibi Greenstone Belt, which records a historic production of 160 Moz of Au both in Ontario and Quebec. For instance, Young-Davidson and Macassa mines are located ~ 26 km to the west and 15 km to the east of the property respectively.

Today, the Young-Davidson Mine is operated and owned 100% by Alamos Gold Inc.and is one of the larger underground gold mines in Canada. It has produced more than 1 Moz of gold at an average grade of 2.64 g/t since the start of operation in 1934 (Volk & Bostwick, 2017).

Macassa Mine, operated by Agnico Eagle, is one of the highest-grade gold mines in Canada. Between 1905 and 1935, a multitude of mines opened in the area that collectively produced over 23 Moz of gold. Macassa had produced 6 Moz by the start of 2023 and new deposits with average gold grades of 5.2 g/t are in development (Pinheiro Harvey, Glover, Tai, & Harwood, 2019).

In the district, there are abundant Archean intrusive rocks, predominantly appearing as small formations such as stocks, dikes and plugs composed of augite syenite, syenite, and feldspar porphyry. These bodies are closely linked in time and space with the distribution of Timiskaming Group sediments. The main syenite mass hosts most of the gold mineralization in the area. The syenite-hosted gold mineralization consists of stockwork of quartz veinlets and narrow quartz veins, rarely greater than a few inches in thickness, situated within a broader halo of disseminated pyrite and potassic alteration. Visible gold is common in the narrower, glassy-textured quartz veinlets. Broader zones of mineralized, brecciated, and fragmented quartz are found in the footwall and hanging wall of major faults. Gold is usually accompanied by 1 to 3% pyrite and sometimes is associated with molybdenite and/or tellurides of lead, gold-silver, nickel, and mercury. The presence of pyrite and silicification does not guarantee gold; however, higher grade gold is generally accompanied by increased percentages of pyrite and silica. Hematization or bleaching with carbonatization and silicification are common alterations of the wall rocks. Sericitization is a more local feature (Volk & Bostwick, 2017).

The Norris Property claims encompasses 4 townships: Burt, Eby, Gross and Blain (Although Blain township overlaps only with 3 single cell claims which represent an area of 583 km^2). The OGS public record reports approximately 272 assessment reports for these 4 townships from 1949 to 2023. However, the property intersects 38 of these assessment reports from the same range of years (Figure 5).

Exploration work in the area has been primarily focused on gold but few explorations campaigns were performed in the search of kimberlites (diamonds), U, Cu, Ni-PGE, and massive sulphides (Table 2). Drilling in the property has been scarce and sporadic. Only 8 historic drillholes intersect the property area totaling 778.9m (Table 3), conducted in the years 1950, 1984, 1985, 2005 and 2011 (Figure 5).

Historic Exploration Summary					
File ID	**Company**	**Year**	**Description**	**Significant Results**	**Element of Interest**
42A01SE8927	Preston East Dome Mines	1949	Geological Survey / Mapping	Shear zone found hosting minor quartz and heavy pyrite carrying values of 0.28 to 2.83g/ton over a width of 2ft on a knoll about 24ft in length.	Au
42A01SW0102	Preston East Dome Mines	1950	Assaying and Analyses, DDH	No significant results	Au
42A01SE0210	Noranda Exploration Co Ltd	1972	EM, Magnetic / Magnetometer Survey	Two conductive zones were located. One of the zones has strong conductivity and good ratios between the low and high frequency readings which is indicative of sulfides.	Au
42A01SE0209	Noranda Exploration Co Ltd	1974	Geochemical, Geological Survey / Mapping	No significant anomalies detected in soil and rock geochemical surveys	Cu-Zn
31D16SW8534	Mountainview Expl Inc	1979	DDH, Magnetic / Magnetometer Survey, Radiometric	Magnetic and radioactive anomalies	U
42A01SE0207	Lacana Mining Corp	1980	EM	Very weak conductor	Au
42A01SW8922	Billiton Canada Ltd	1985	Airborne Magnetometer	Trace Archean Geology under Huronian cover and major lithological units	-
42A01SE0191	A Perron	1985	Geological Survey / Mapping	No significant results	-
42A01SE8918	A H Perron	1987	EM Very Low Frequency, Geological Survey / Mapping, Magnetic / Magnetometer Survey	Fe rich flows, potential NW-SE magnetic structure	Au
42A01SW0012	Ressources Halex Inc	1988	Airborne EM, Airborne EM Very Low Frequency, Airborne Magnetometer, Airborne Resistivity	16 unique conductors with different geophysical response characteristics. Pyrrhotite minor constituent of conductor explanations	Au
42A01SW0003	D Mccormack	1991	Assaying and Analyses, Geological Survey / Mapping, Open Cutting, Prospecting By Licence Holder	No anomalous or encouraging Au results	Au
42A01SE0093	Nick Rigas	1992	Assaying and Analyses, Overburden	Low Au values. No significant anomalies detected	Au

			Stripping, Prospecting By Licence Holder		
42A16SE0004	Greater Lenora Resources Corp	1992	Assaying and Analyses, Airborne Geophysics, DDH, EM, Geochemical, Geological Survey / Mapping, Magnetic / Magnetometer Survey	Magnetic anomaly related to gabbroic plug	Kimberlites/ Diamond
42A01SW0005	WMC International Ltd	1994	EM, Gravity, IP, Magnetic / Magnetometer Survey, Open Cutting	Defined depth of the Huronian cover and probable extension of the Kirkland Lake-Main, and Cadillac-Larder Breaks onto the project area	Au
42A01SW0006	WMC International Ltd	1994	Assaying and Analyses, DDH	No assays exceed 66 ppb Au	Au
20000000555	Winteroad Mineral Corp	2005	IP, Linecutting	Identified Cadillac-Larder Lake Breaks and estimated depths	Au
20000001905	Arctic Star Diamond Corp, Tres-Or Resources Ltd	2005	Benefication Studies, Geological Survey / Mapping, Magnetic / Magnetometer Survey	Elliptical shape high magnetic response similar to other kimberlites in the area	Kimberlites/ Diamond
20000001898	Southernera Diamonds Inc	2005	Geochemical, Linecutting, Magnetic / Magnetometer Survey, Prospecting By Licence Holder	No significant results	Kimberlites/ Diamond
20000002814	Tres-Os Res Ltd	2005	Assaying and Analyses, DDH, Downhole Geophysics	Magnetic high anomaly was explained by the presence of coase-grained magnetic gabbro in DDH	Kimberlites/ Diamond
20000002115	Golden Valley Mines Ltd	2007	IP, Linecutting, Magnetic / Magnetometer Survey	10 chargeability anomalies of which 2 are promising	Au
20000002257	Golden Valley Mines Ltd	2007	IP, Magnetic / Magnetometer Survey	19 chargeability anomalies of which 4 are promising	Au
20000003665	John Peter Rapski	2008	Assaying and Analyses, Overburden Stripping	No significant results	Ni-PGE

20000004604	Insight Exploration Inc	2010	IP, Linecutting	Determined Gowganda sediments depth. Identified complicated nature of the Cadillac-Larder Lake Break	Au
20000007618	Golden Valley Mines Ltd	2010	DDH	1.78 ppm Au in diorites and andesite	Au
20000009194	Golden Valley Mines Ltd	2010	DDH	No significant results	Au
20000006744	Golden Valley Mines Ltd	2011	Assaying and Analyses, DDH	No significant results	Au
20000005864	Insight Exploration Inc	2011	IP, Linecutting	Correlation of results with previous surveys determining extension of the Cadillac-Larder Lake Break	Au
20000007692	John Peter Rapski	2011	DDH	No significant results	Au
20000008373	John Peter Rapski	2012	EM Very Low Frequency, Magnetic/Magnetometer Survey	No significant results	Au
20000008478	John Peter Rapski	2012	Assaying and Analyses, Geological Survey/Mapping, Prospecting By Licence Holder	Low Au values. No significant anomalies detected	Au
20000008372	John Peter Rapski	2012	EM Very Low Frequency, Magnetic / Magnetometer Survey	2 east trending magnetic low anomalies	Zn-Pb-Cu
20000008546	Golden Valley Mines Ltd	2014	Magnetic / Magnetometer Survey	Intense magnetic low	Au
20000014207	Insight Exploration Inc	2015	Magnetic, IP	Features of the Cadillac-Larder Lake Fault Zone (CLFZ) project upward into the overlying unit. Nature of the CLFZ is similar in the Timiskaming and Huronian	Au
20000017280	Insight Exploration Inc	2018	Other	low apparent resistivity feature associated with the CLFZ within the Timiskaming extends upwards and appears within the Huronian indicating a more complicated geologic relationship	Au
20000019549	Marcus Raitanen	2020	Prospecting By Licence Holder	No significant results	Au
20000020401	Marcus Raitanen	2021	Assaying and Analyses, Beep Mat, Prospecting By	No significant Au values	Au

			Licence Holder, Rock Sampling		
20000021142	Lost Hope Mine Ltd	2022	Assaying and Analyses, Prospecting By Licence Holder, Regional or Reconnaissance Ground Exploration, Rock Sampling	30-90 ppb Au values from Kulta Maki outcrop. Assays in close areas reveal the presence of base metals and critical minerals (Ag, Ni, Cu, Zn, Co)	Au
20000021577	Lost Hope Mine Ltd	2023	Assaying and Analyses, Prospecting By Licence Holder, Rock Sampling	No significant results	Au

Table 2. Summary table of historic work in the Norris property

File ID	Year	Company	Depth (m)
42A01SW0102	1950	Preston East Dome	36.6
42A01SW0102	1950	Preston East Dome	39.2
42A01SW0102	1950	Preston East Dome	39.4
42A01SE0078	1984	Orcana Resources Ltd	82.6
42A01SE0074	1985	Orcana Resources Ltd	99.7
20000002814	2005	Tres-Or Resc Ltd	91.0
20000002814	2005	Tres-Or Resc Ltd	80.0
20000006744	2011	Golden Valley Mines Ltd	310.4
	Total	**8**	**778.9**

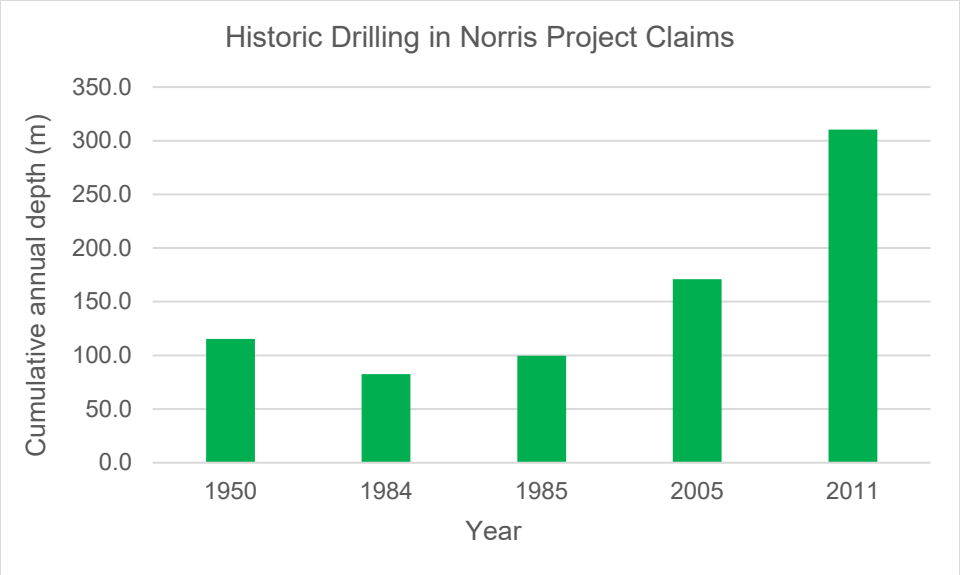


Table 3. Summary table and bar chart of historic drilling in the Norris property

Two gold showings are reported in the NE corner of the project area. The first one corresponds to an occurrence identified during a DDH campaign conducted in 1950 that reports grades of 0.28 to 2.83 g/t Au in an Andesite-hosted quartz vein and pyrite (no certificate available). The second one relates to a discretionary occurrence from an overburden drillhole survey for till conducted by the OGS from 1979 to 1982. Gold values around the area of the property range from 10-120 ppb in the <0.063mm fraction, 10-5000 ppb in the fine fraction, 10-1439 ppb in the coarse fraction and 10-60ppb in bedrock.

Mapping campaigns have been performed by the Ontario Geological Survey. Maps of interest intersecting the property include: Map P. 3425 “Geological compilation of the Kirkland Lake area Abitibi greenstone belt” scale 1: 100 000 (Ayer & Trowell, 2000), Map P.3554 “ Precambrian Geology Burt-Holmes Area” scale 1: 20 000 (Berger, 2004), Map P. 448 “Preliminary geological map of Eby township” scale 1 inch to 0.25 miles (Lovell, 1968), Map P.264 “ Preliminary geological map Flavelle-Sharpe Area” scale 1inch to 0.5 miles (Lovell, 1965), and Map P.207 “Preliminary geological map of Burt township and north part of Gross township” scale 1 inch to 0.25 miles (Moore, 1963).

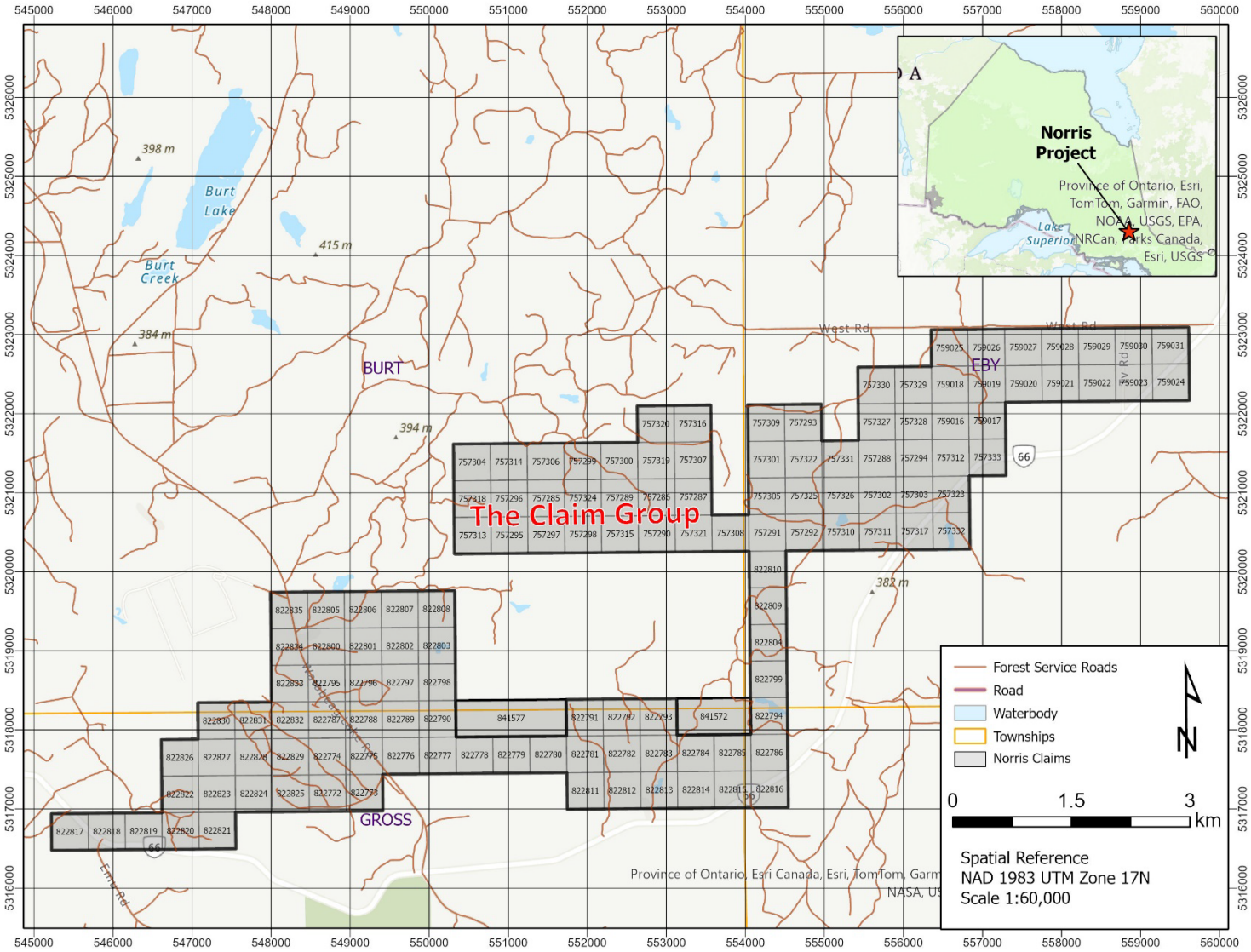


Figure 3. The Claim Group property claims.

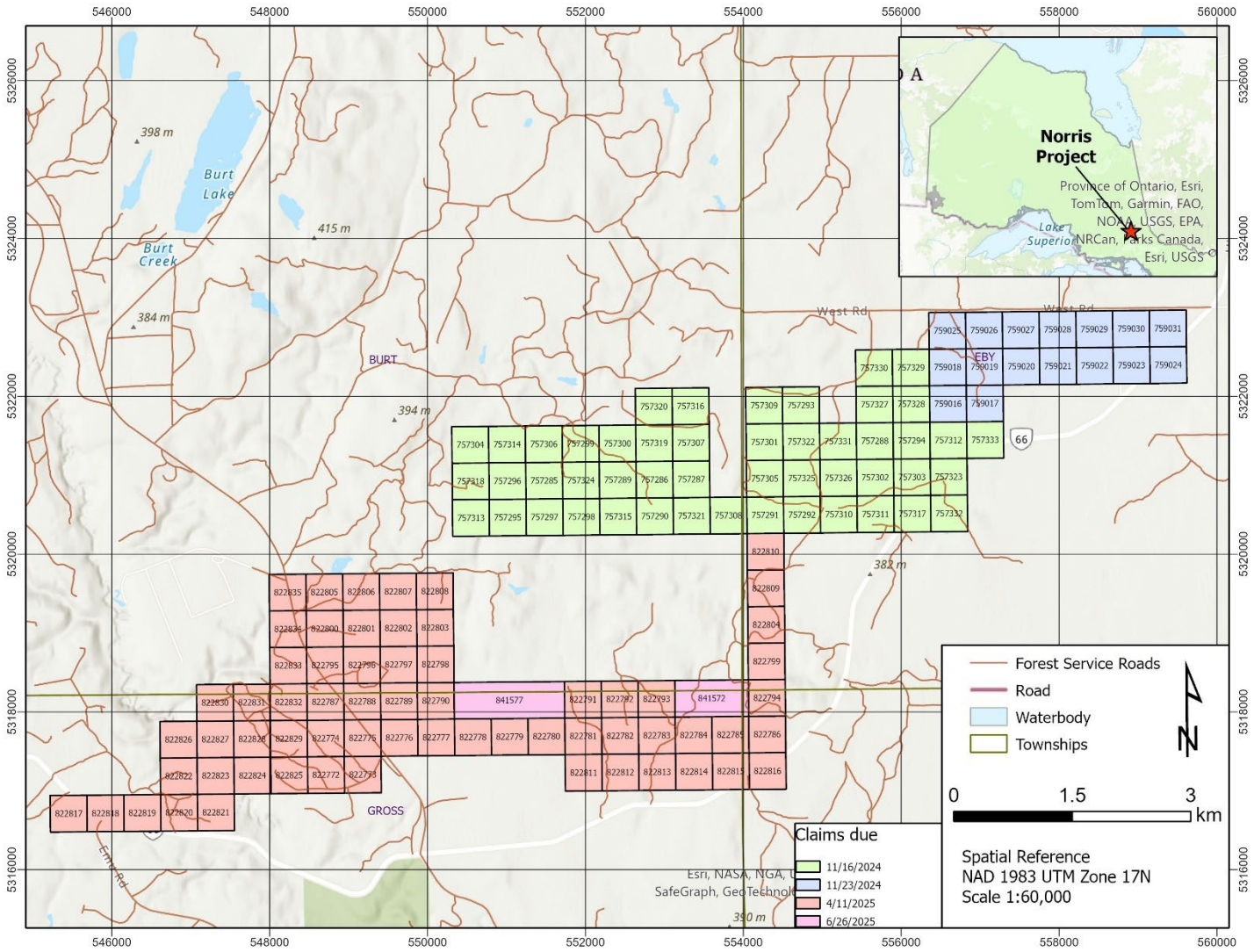


Figure 4. Norris claims coded by expiration date.

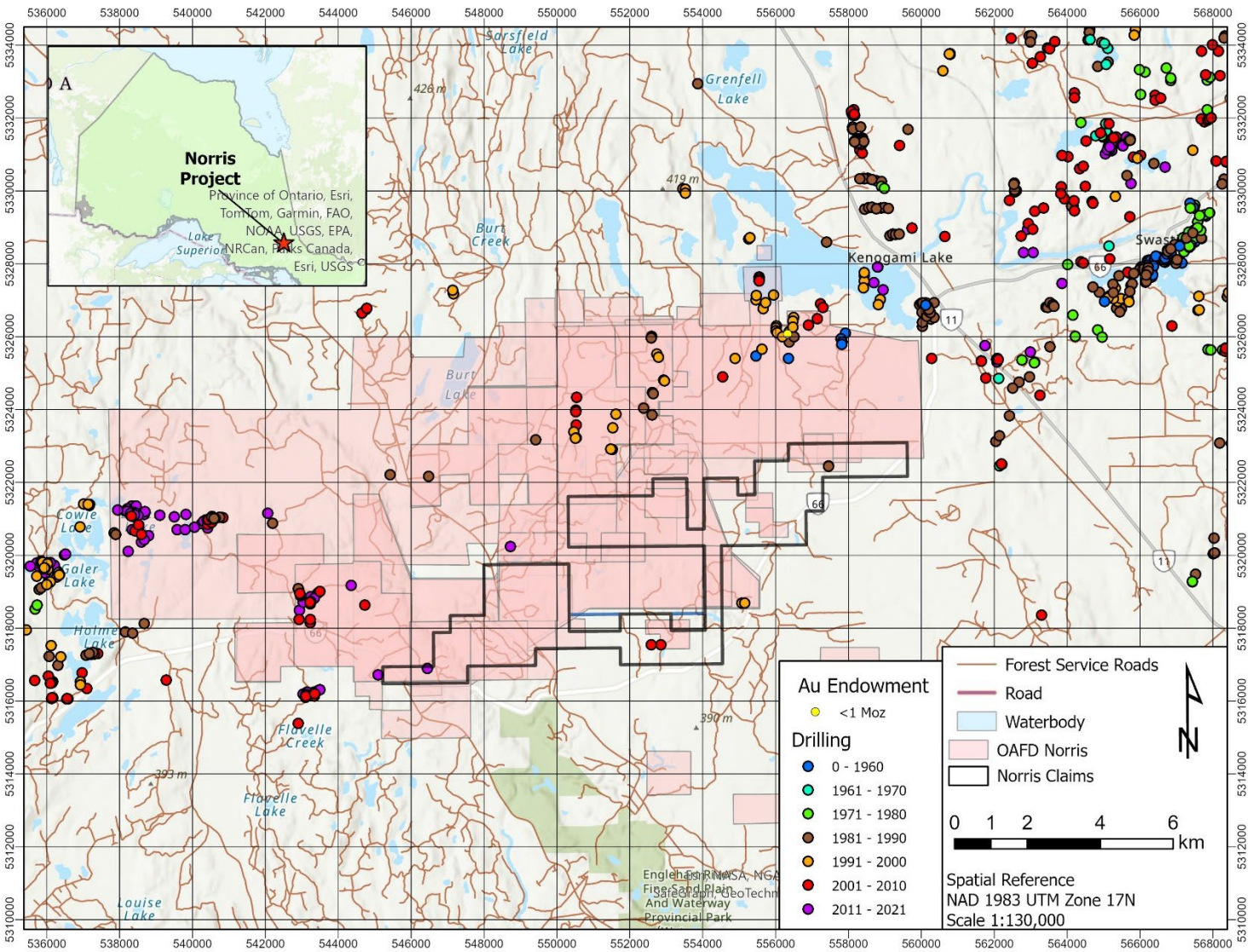


Figure 5. Assessment files and drill holes reported within the Norris project area.

6. Regional Geology

The area is part of the southern Abitibi greenstone belt of the Superior Province in the Canadian Shield comprised of Neoarchean (2.8-2.5 Ga) tholeiitic, calc-alkalic and alkalic mafic, intermediate and felsic metavolcanic rocks; related subvolcanic intrusions, chemical and clastic metasedimentary rocks. Ultramafic rocks occur locally. A wide spectrum of mafic to felsic, pre-tectonic, syn-tectonic and post-tectonic intrusive rocks are present. These rocks are typically metamorphosed to greenschist facies but locally attaining amphibolite facies grade. Alkalic intrusions composed of hornblendite, alkalic gabbro, syenite, quartz syenite and alkalic granite are the youngest Neoarchean intrusions in the area (Figure 6). Paleoproterozoic diabase dikes correlated with the Matachewan swarm intrude the Neoarchean rocks. However, the swarm does not intrude the Proterozoic Huronian supergroup (Glaciogenic Gowganda Formation), which unconformably overlies Neoarchean rocks and is composed of polymictic conglomerate, arkose, siltstone, argillite and wacke. Diabase dikes correlated with the Sudbury swarm intrude the Gowganda Formation and are present in the Eby and Burt townships (Berger, Pigeon, & Leblanc, 2006)

The rocks within the Abitibi Greenstone Belt have undergone a series of complex deformation processes, starting from early folding and faulting, followed by subsequent upright folding, faulting, and ductile shearing. These processes have led to the formation of crustal-scale structures (breaks), primarily oriented in an east-west direction, creating a distinctive lozenge-shaped pattern. The Larder Lake-Cadillac Fault Zone is 3-7 km north of the property area and has a subvertical dip with a generally E-NE/ W-SW strike. This fault zone is characterized by rocks rich in chlorite, talc, and carbonate (schists), and its deformation zone can be traced for over 120 miles, extending from west of Kirkland Lake to Val d'Or (Volk & Bostwick, 2017).

7. Property Geology

The property is located in the southwestern section of Abitibi greenstone belt. Felsic intrusive rocks of the 47 km east-west and 38 km north-south Round Lake batholith (2734- 2743 Ma) (Ketchum, Ayer, Breemen, Pearson, & Becker, 2008), intruded into Archean intermediate to ultramafic volcanic flows, and intermediate to mafic volcaniclastics dominate in the property. Other minor lithologies previously mapped include felsic porphyry, chemical sediments, ultramafic intrusions, and diabase dikes (Figure 7). The Larder Lake-Cadillac Fault Zone is 3-7 km north of the property area and has a subvertical dip with a generally E-NE/ W-SW strike. Structural information is primarily derived from geophysical (magnetic) survey data. The trace of the CLFZ has been determined by mapping deformation in the Proterozoic rocks, and by airborne magnetic modelling which shows continuation of the Archean under the Proterozoic cover. Numerous CLFZ sprays and cross faults are present. For instance, first order structures such as the E-W striking Lucky Irish Fault and Watabeag Lake Road Fault, and the NW-SE Englehart River-Cross Lake fault intersect the reported claims.

Overburden depths documented from diamond drilling and RC drilling range between 3 to 19.8m, and Archean rocks are intersected between 30 to 330 m under the Gowganda Formation to the NW close to the property.

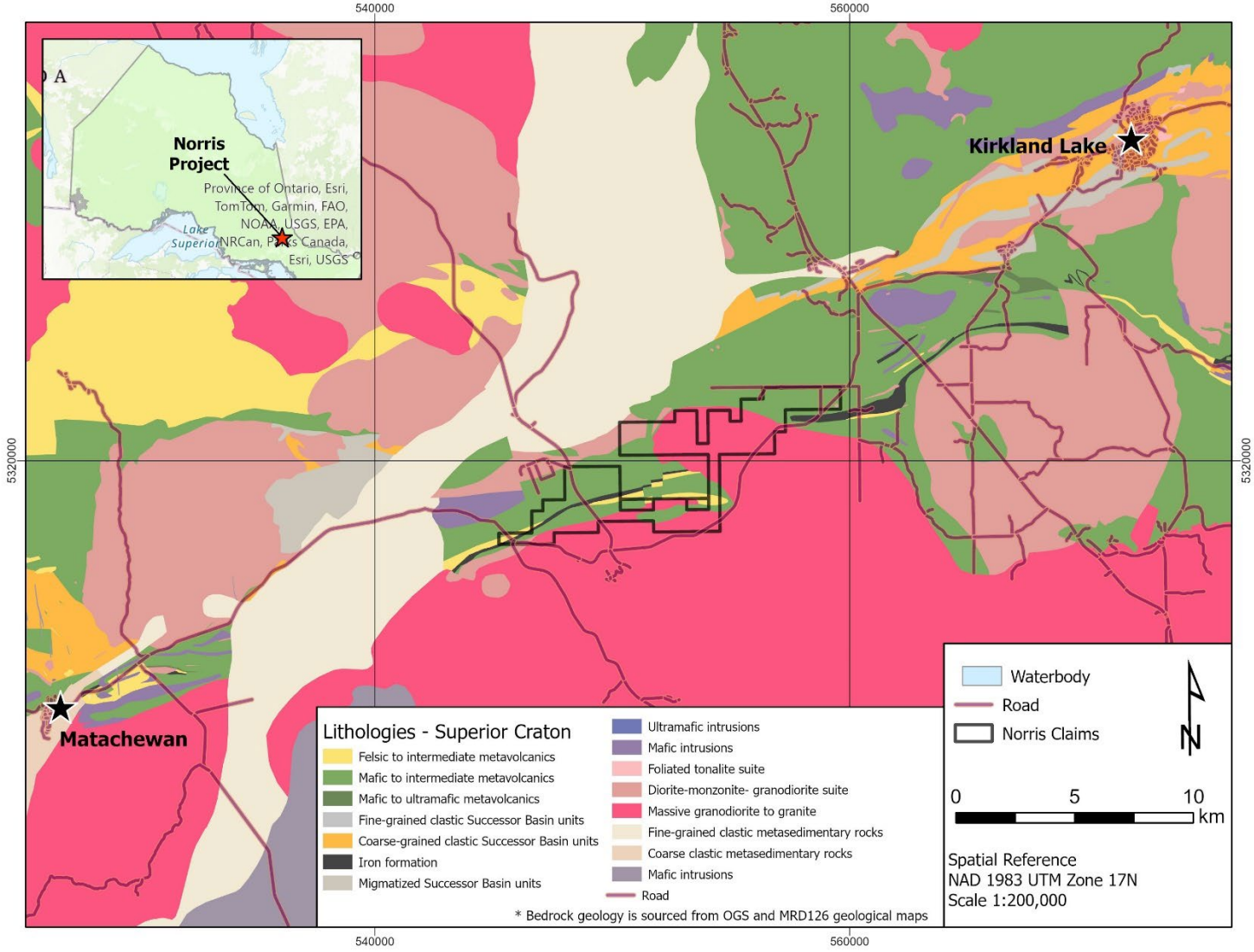


Figure 6.Regional-scale geology map of the area.

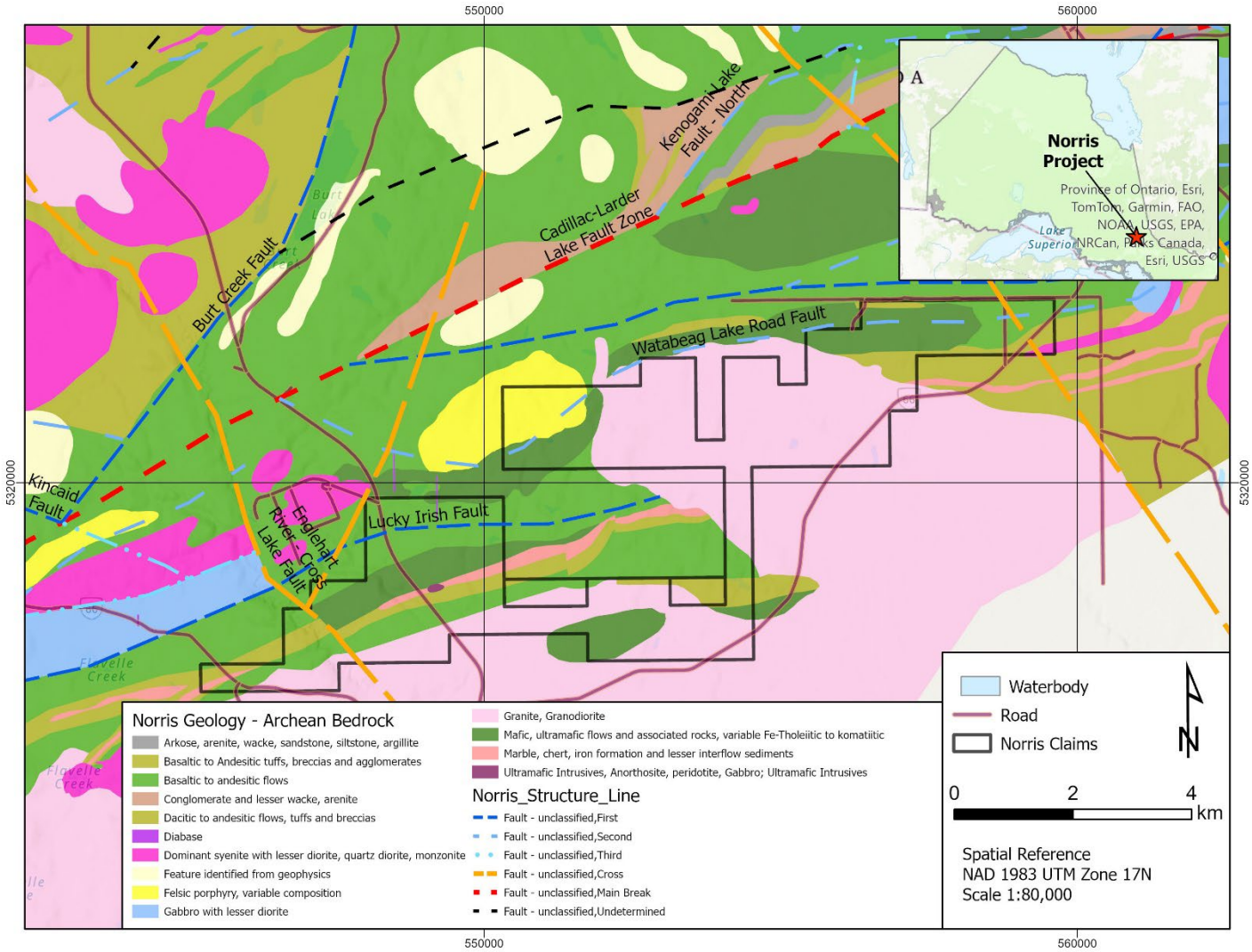


Figure 7. Interpreted Norris property-scale Archean geology map.

8. Deposit Model

Exploration at the Norris Project is focused on discovering gold mineralization of any style and age. The screening program conducted by Barrick was developed independent of deposit models. However, it is impossible to ignore the abundance of potential orogenic lode-gold deposits and intrusion related systems in the Timiskaming district, Kirkland Lake area. Thus, during fieldwork, there was a focus on features endemic to mentioned types of Archean deposits, which are associated with regionally metamorphosed terranes formed during compression/transpression during orogenesis (Figure 8). Subduction of hydrated oceanic crust causes episodic increases in geothermal gradients initiating and driving migration of metamorphic-derived fluids (Groves, Goldfarb, Gebre, Hagemann, & Robert, 1997) (Groves 1998). Fluids scavenge Au from the crust while developing gold-bearing quartz stockworks at depths of around 15-20 km (Figure 9) to the near surface environment (Groves, Goldfarb, Gebre, Hagemann, & Robert, 1997). Veins are typically associated with extensive ankerite alteration in mafic volcanic host rocks (e.g., Southern Abitibi; (Dubé, Mercier-Langevin, Ayer, Atkinson, & Monecke, 2017)). However, the auriferous carbonate-quartz-hematite veins in the area are syenite-hosted and are interpreted to be the result of hydrothermal activity most likely related to magmatism and metamorphism that ultimately reactivated pre-existing Neoarchean structures (Zhang, Linnen, Lin, & Davis, 2014).

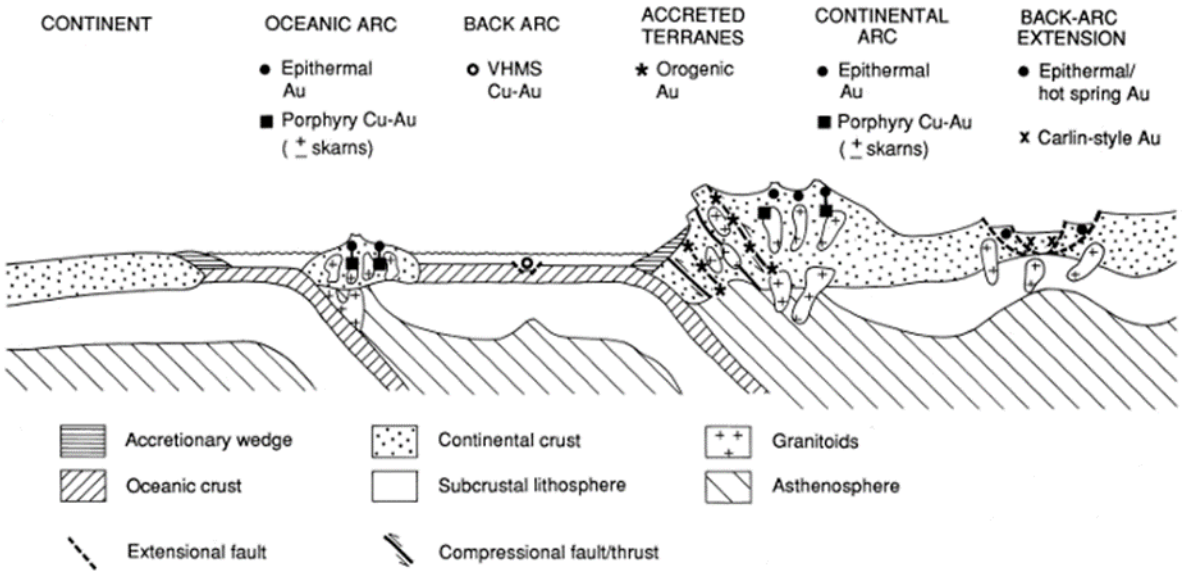


Figure 8. Tectonic settings of gold-rich epigenetic mineral deposits. Tectonic settings of gold-rich epigenetic mineral deposits. Epithermal veins and gold-rich porphyry and skarn deposits, form in the shallow 15 km parts of both island and continental arcs in compressional through extensional regimes. The epithermal veins, as well as the sedimentary rock-hosted type Carlin ores, also are emplaced in shallow regions of back-arc crustal thinning and extension. In contrast, the so-called 'mesothermal' gold ores termed orogenic gold on this diagram are emplaced during compressional to transpressional regimes and throughout much of the upper crust, in deformed accretionary belts adjacent to continental magmatic arcs. Note that both the lateral and vertical scale of the arcs and accreted terranes have been exaggerated to allow the gold deposits to be shown in terms of both spatial position and relative depth of formation (Groves, Goldfarb, Gebre, Hagemann, & Robert, 1997).

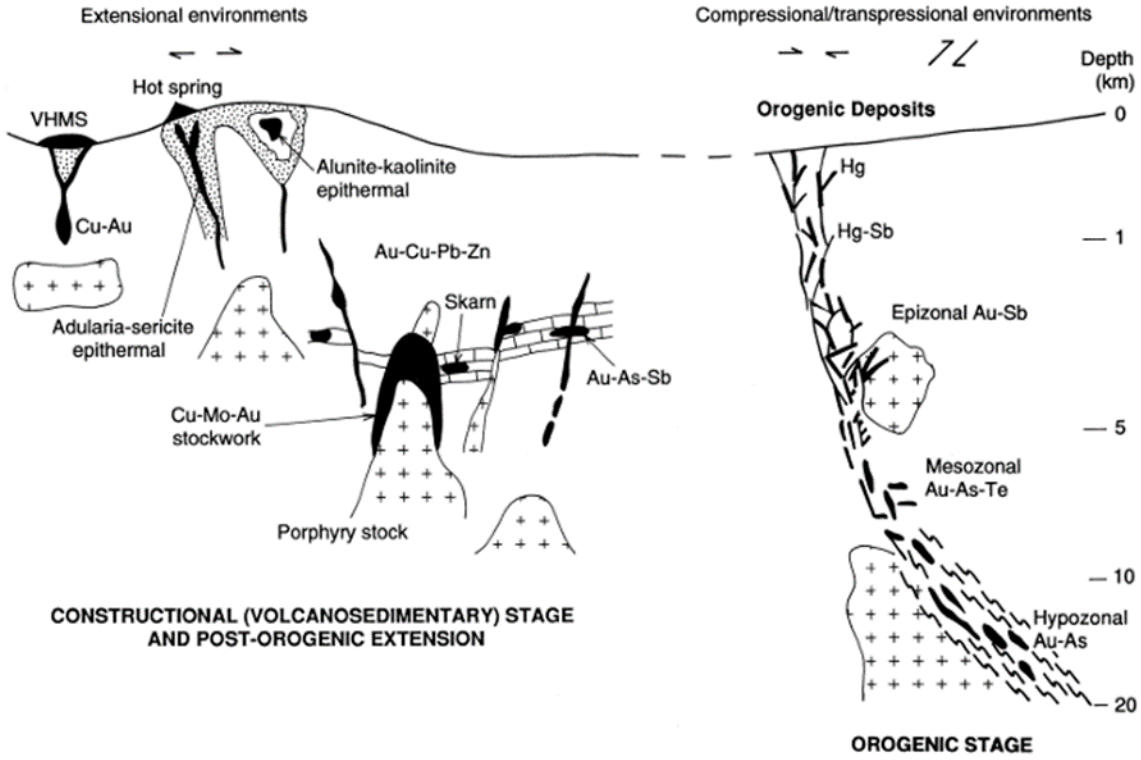


Figure 9. Schematic representation of crustal environments of hydrothermal gold deposits. Figure presented in terms of depth of formation and structural setting within a convergent plate margin. This figure is by necessity stylized to show the deposit styles within a depth framework. There is no implication that all deposit types or depths of formation will be represented in a single ore system (Groves, Goldfarb, Gebre, Hagemann, & Robert, 1997).

9. Data Acquisition and Methodology

9.1 Data Acquisition

The team, composed of 4 Barrick employed personnel, conducted the field program on Norris claims from July 15th to July 18th, 2023. The crew built a camp site at Esker Lakes Provincial Park, approximately 30 km NE of Kirkland Lake, for the duration of the field campaign.

During prospecting and bedrock mapping, a total of 17 observations of lithology, 5 observations of alteration, 7 mineralization and 12 structural measurements (9 planar structures and 3 linear structures) were collected. From these stations, a total of 17 samples were collected. Table 4 summarizes the types and number of samples that were collected, and Figure 10 highlights the sample locations (large-format maps are available in Appendix B where sample numbers are labeled for reference).

Sample Type	Total
Whole Rock Geochemistry	12
Economic	5
Grand Total	**17**

Table 4. Summary of sample types taken on the Norris property during active fieldwork.

9.2 Sampling Methodology

Bedrock information including lithology, alteration, mineralization in addition to structural measurements were collected throughout part of the property. For a general screening of the area and mapping purposes, traverses were ideally planned to be perpendicular to the general stratigraphy of the area. However, location of stations was ultimately driven in part by availability of outcrops. Data collection was managed by geologists in the field using iPads running ESRI application "Field maps", which allowed for collection of form-driven tabular data.

Considerations for whole rock geochemistry sample collection:

- Collect approximately fist-sized samples – approximately 1 kg
- No dirt, vegetation, moss, etc.
- Representative (Unaltered, fresh, minimum veining, alteration or mineralization possible)

Considerations for Economic sample collection:

- Collect approximately fist-sized samples – approximately 1 kg
- No dirt, vegetation, moss, etc.
- Representative (host-rock, or vein selvage, or vein, mineralization, alteration, etc.)
- If there is an outcrop with veins and wall rock multiple samples can be taken from the same outcrop, but slightly different locations
- If mineralization or intense alteration is encountered a 'high graded' sample can be collected, but clearly note and capture in the comments and metadata for the sample

Barrick rock sampling procedures include use of field and lab standards (Table 5) and other QAQC sampling using the following procedures:

- Two standard every 50 samples (pre-specify in sample tag books)
    - See table below
    - Remove standard ID
- Two coarse blank every 50 samples (pre-specify in sample tag books)
    - Insert 1 kg
    - To prevent contamination, no jewelry, wear gloves (assigned to blank sampling only), keep covered, only use one bag at a time.
    - If significant mineralization is identified insert a high-grade standard and an extra coarse blank after the sample

- One field duplicate every 50 samples
    - Field duplicate = take a second sample from the same outcrop area
    - Where mineralization is encountered, that is the best location to take a field duplicate

Standard/Blank ID	Type	Lithology	Au Fire Assay ppb	Certification
Oreas 20a	**Standard**	Barren I-Type hornblende-bearing granodiorite	<3	Au FA, Fusion ICP,Aqua Regia and 4-acid
Oreas 30a	**Standard**	Unweathered, olivine tholeiitic basalt	<2	Au FA, Fusion ICP, Aqua Regia and 4-acid
Oreas 21f	**Blank**	Quartz sand	<1	Au FA, and 4-acid
BLKGRT	**Blank**	Amphibolite	Blank	N/A

Table 5. Standards and Blanks used for sampling in the Norris Property

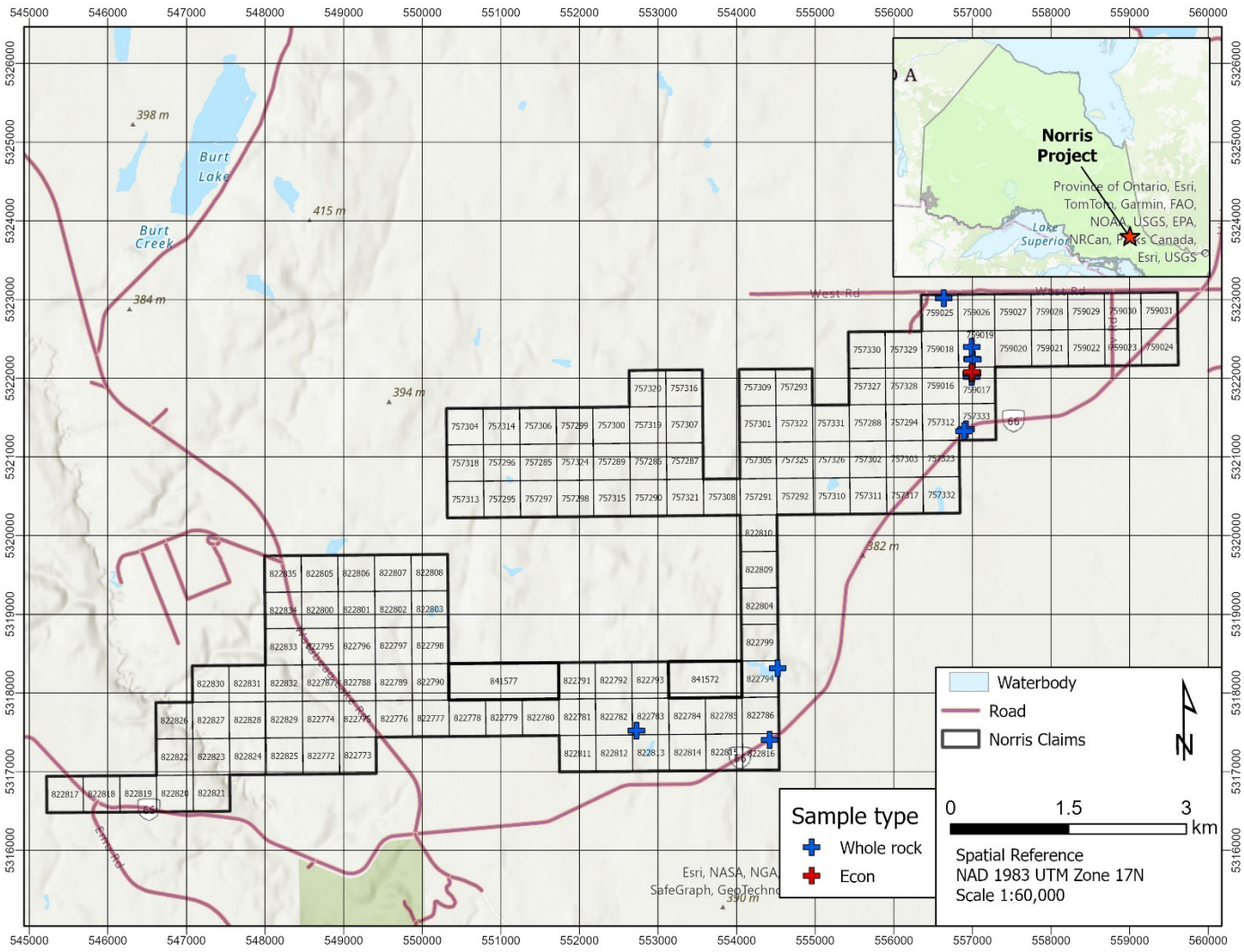


Figure 10. Location of (unlabeled) Norris rock samples

9.3 Analytical Methodology & Chain of Custody

All rock samples were prepared for shipping by Barrick geologists at Barrick's base camp at Esker Lakes Provincial Park, Ontario. Samples were checked to ensure a sample tag was clearly visible in each sample bag and confirmed that the sample existed in Barrick's database prior to shipping. Individual samples were combined in rice bags and labelled by project and PO and sample type to ensure separate sample processing streams were respected by the laboratory.

Samples were shipped from Timmins using Manitoulin Transport. Samples were driven from base camp to Manitoulin where they were placed on wooden pallets that were wrapped and secured. These pallets were loaded into Manitoulin trucks, which have a fully enclosed trailer. Rock samples were shipped to ALS Geochemistry processing facilities for sample preparation.

Rock Prep Facility
ALS Thunder Bay
645 Norah Crescent
Thunder Bay Ontario P7C 5H9

Table 6 summarizes the specific preparation and analytical methods used for each type of sample and provides a brief description of the analytical technique. Barrick completed two types of sample analysis: economic rock and whole rock geochemistry. The main differences between economic, which is used on all prospecting/grab samples versus whole rock, is a more powerful sample fusion during prep, which results in total digestion of resistive phases such as zircon, which is only partially digested by ME-MS61e (4-acid), additional sensitivity in techniques i.e., lower detection limits, and the inclusion of a complete suite of rare earth and high-field strength elements, which can be used for total rock characterization and classification.

Method Code	Description	Application in this report
Au-NANO51	Au by Aqua Regia with HF, digestion for near-total recovery and ICP-MS. Au detection limit as low as 0.03 ppb	WholeRock
Au-ICP21	Gold by fire assay with ICP-AES finish, all performed on 30-50 g sample. Pulverized samples are mixed with a fluxing agent along with lead as a collector. The sample is heated in a furnace, allowing fusion of the pulp, forming a gold-bearing metallic "button". After additional processing this extract is dissolved and analyzed by ICP-AES	WholeRock and Economic
ME-ICP06	All elements by lithium metaborate or tetraborate fusion, followed by dissolution of the melt and ICP-AES analysis. For samples that are high in sulfides, a Na2O2	WholeRock and Economic

	fusion may be substituted to obtain better results	
OA-GRA05	Loss on Ignition at 1000°C	WholeRock and Economic
ME-MS81	Elements by lithium borate fusion and ICP-MS. For quantitative results of all elements, including those encapsulated in resistive minerals.	WholeRock and Economic
TOT-ICP06	ME-ICP06 Totals including the OA-GRA05 LOI	WholeRock and Economic
ME-MS61	Multi-Element (48) Ultra Trace method. A four-acid digest is performed on 0.25g of sample to quantitatively dissolve most geological materials. Analysis via ICP-MS + ICP-AES	WholeRock and Economic
C-IR07	Total Carbon (IR Spectroscopy)	WholeRock and Economic
S-IR08	Total Sulphur (UR Spectroscopy)	WholeRock and Economic
Hg-MS42	Trace Hg by ICPMS	WholeRock and Economic
Au-GRA22	Au 50g FA-GRAV finish	Economic
Ag-OG62	Ore grade Ag- Four Acid	Economic
ME-OG62	Ore grade Elements- Four Acid	Economic
Cu-OG62	Ore grade Cu- Four Acid	Economic
TRSPEC-20	Spectral scan using the TerraSpec® 4 HR spectrometer. Crushed reject from primary sample used. This analysis is used to detect spectral shifts in key alteration minerals that may help vector to alteration and mineralization	WholeRock and Economic
PREP-31BY	Rock sample preparation done by crusher/rotary splitter combo. Crush to 70% less than 2 mm, rotary split off 1 kg, pulverize split to better than 85% passing 75 microns	WholeRock and Economic

Table 6. Summary of analytical techniques and laboratory codes.

10. Geochemical and Geological Results

A total of 17 bedrock samples were obtained from rock sampling (Table 7). An effort was made to obtain samples and observations from all areas of the property, however spatial distribution was mainly controlled by outcrop availability. Figure 11 summarizes Au values and Figure 12 key pathfinder elements (Ag, As, Sb). Table 8 summarizes geochemical results for pathfinder elements on each sample. Lab certificates are in Appendix C.

Northing	Easting	Date	Send For	Sample ID	Lithology Type	Lithology Broad Classification	Lithology Classification
48.007618	-80.270372	7/15/2023	WholeRock	K025557	Plutonic rock	Felsic	Granodiorite
48.015812	-80.268881	7/15/2023	WholeRock	K025562	Volcanic flow	Mafic	Basalt
48.042908	-80.236333	7/15/2023	WholeRock	K025563	Plutonic rock	Felsic	Granite
48.042705	-80.236672	7/15/2023	WholeRock	K025564	Plutonic rock	Mafic	Gabbro
48.008821	-80.293067	7/18/2023	WholeRock	K025624	Plutonic rock	Felsic	Granodiorite
48.048900	-80.235300	7/18/2023	WholeRock	K025626	Plutonic rock	Ultramafic	Pyroxenite
48.048919	-80.235275	7/18/2023	WholeRock	K025627	Plutonic rock	Ultramafic	Pyroxenite
48.049286	-80.235341	7/18/2023	Econ	K025628	Vein	Shear	
48.049272	-80.235338	7/18/2023	Econ	K025629	Volcanic flow	Mafic	Komatiitic
48.049288	-80.235166	7/18/2023	Econ	K025631	Volcanic flow	Mafic	Komatiitic
48.049424	-80.235179	7/18/2023	Econ	K025632	Volcanic flow	Mafic	Basalt
48.049398	-80.235265	7/18/2023	WholeRock	K025633	Volcanic flow	Mafic	Basalt
48.049452	-80.235218	7/18/2023	Econ	K025634	Vein	Other	
48.050965	-80.235150	7/18/2023	WholeRock	K025635	Plutonic rock	Ultramafic	Pyroxenite
48.050888	-80.235040	7/18/2023	WholeRock	K025636	Volcanic flow	Mafic	Komatiitic
48.052322	-80.235227	7/18/2023	WholeRock	K025637	Volcanic flow	Mafic	Komatiitic
48.057924	-80.239922	7/18/2023	WholeRock	K025638	Volcanic flow	Mafic	Komatiitic

Table 7. Summary Table of samples taken in the Norris property

Sample ID	Au_ppb	Au_ppm	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Bi_ppm	Te_ppm
K025557	0.99	0.00099	0.01	0.2	0.05	0.005	0.02	0.05
K025562	2.29	0.00229	0.05	0.2	0.05	0.005	0.08	0.05
K025563	0.65	0.00065	0.02	1.3	0.06	0.005	0.08	0.05
K025564	5.12	0.00512	0.06	0.2	0.05	0.005	0.01	0.05
K025624	0.54	0.00054	0.04	0.5	0.05	0.005	0.02	0.05
K025626	0.56	0.00056	0.03	0.5	0.06	0.005	0.08	0.05
K025627	0.54	0.00054	0.02	0.3	0.07	0.005	0.03	0.05
K025633	1.01	0.00101	0.04	0.2	0.05	0.005	0.08	0.05
K025635	1.2	0.0012	0.06	0.2	0.05	0.005	0.04	0.05
K025636	1.16	0.00116	0.1	1	0.07	0.005	0.05	0.05
K025637	1.19	0.00119	0.02	0.6	0.05	0.005	0.05	0.05
K025638	0.46	0.00046	0.02	0.3	0.06	0.005	0.01	0.05
K025628	0.5	0.0005	0.02	0.5	0.07	0	0.01	0.00025
K025629	0.5	0.0005	0.05	0.00025	0.07	0	0.05	0.00025
K025631	0.5	0.0005	0.09	0.2	0.07	0	0.32	0.00025
K025632	1	0.001	0.14	0.00025	0.08	0	0.1	0.07
K025634	0.5	0.0005	0.13	0.3	0.08	0	0.11	0.00025

Table 8. Summary table of key pathfinder geochemistry for each sample taken in the Norris property

Correlation between gold and typical orogenic pathfinder elements is summarized in Table 9. A weak to moderate negative correlation with Au is observed with Sb and Bi. A weak positive correlation with Au is observed with Hg and Te. Very weak to no correlation with Au is observed with Ag and As.

	Au_ppm	*Ag_ppm*	*As_ppm*	*Sb_ppm*	*Hg_ppm*	*Bi_ppm*	*Te_ppm*
Au_ppm	1						
Ag_ppm	0.068732	1					
As_ppm	-0.15709	-0.22364	1				
Sb_ppm	-0.41339	0.613265	-0.04397	1			
Hg_ppm	0.293544	-0.55258	0.35918	-0.76768	1		
Bi_ppm	-0.21249	0.462675	-0.1065	0.344507	-0.4657	1	
Te_ppm	0.282223	-0.14726	0.150833	-0.46021	0.733153	-0.38844	1

Table 9. Correlation between gold and pathfinder elements. Green: positive correlation (1), yellow: no correlation (0), Red: negative correlation (-1)

Higher values of Ag, Sb and As cluster in the northeastern corner of the property, proximal to and south of the Watabeag Lake Road fault. While pathfinder elements show some anomalism on the property, the highest recorded gold value returned from rock sampling was 0.002 ppm, which is not considered economic.

Send for	Sample ID	Northing	Easting	Lithology Classification	Alteration	Mineralization	Comments
Economic	K025628	48.049286	-80.23534	Quartz-carbonate Vein	-		Boulder, vein with laminated wallrock (komatiitic basalt?)
	K025629	48.049272	-80.23534	Komatiitic	Chl-Cb-Fu	Py/trace/disseminated	
	K025631	48.049288	-80.23517	Komatiitic	Chl-Cb-Ep-Fu	Py/trace/disseminated	Quartz carb veins with trace pyrite
	K025632	48.049424	-80.23518	Basalt	Silicification	-	Folded
	K025634	48.049452	-80.23522	Quartz-carbonate Vein	-	-	Tension vein
WholeRock	K025557	48.007618	-80.27037	Granodiorite	Hem-Ep		
	K025562	48.015812	-80.26888	Basalt	Cb-Qtz	Po	
	K025563	48.042908	-80.23633	Granite	-	-	-
	K025564	48.042705	-80.23667	Gabbro	-	-	-
	K025624	48.008821	-80.29307	Granodiorite	-	-	-
	K025626	48.048900	-80.235300	Pyroxenite	Chl-Cb	Py/1-5%/disseminated	
	K025627	48.048919	-80.23528	Pyroxenite	Chl-Cb	Py/1-5%/disseminated	
	K025633	48.049398	-80.23527	Basalt	-	Py/trace/disseminated	Intensity of deformation increases to chilled margins
	K025635	48.050965	-80.235150	Pyroxenite	-	-	-

	K025636	48.050888	-80.235040	Komatiitic	-	-	-
	K025637	48.052322	-80.23523	Komatiitic	-	-	-
	K025638	48.057924	-80.23992	Komatiitic	-	Py/trace/disseminated	-

Table 10. Field lithology classification, alteration and mineralization description for each sample taken in the Norris property

10.1 Geological Mapping and Interpretation

Mapping and sampling work completed on the property has confirmed general structural and geological interpretations from previous OGS mapping (OGS MRD-126). However, some changes in lithologies were identified within larger lithological units that would allow some map detailing at a different scale.

The geology of the property consists dominantly of the Blake River Group volcanics and the Round Lake Batholith. The center of the property is characterized by strongly deformed and magnetic granodiorites with gneissic banding oriented 273/83. Additional minerals observed include hematite and epidote overgrowth randomly orientated to foliation. The well-developed fabric not only indicates a high grade of metamorphism but also syn-deformation magmatism. The banding was not observed in the northeast portion of the property where weakly deformed, not magnetic granites of the same unit outcrop, suggesting a different deformation regime throughout the same intrusive body. One of the gneissic granodiorites outcrops in a small ellipsoid area that has been previously mapped as mafic volcanic, possibly indicating that the volcanic unit is slightly smaller. In the northeastern portion of the property, mafic to ultramafic plutonic and volcanic flows were spotted. The ultramafic intrusives correspond to weakly to moderately deformed and strongly magnetic pyroxenites. Penetrative schistosity follows a general E-W trend subparallel to the Cadillac-Larder Lake Fault. These rocks have a strong and pervasive chlorite and carbonate alteration and contain 1-5% disseminated pyrite. Previous maps classify the unit as intermediate volcaniclastics, none were recognized during the field campaign. Other lithologies in this portion of the property include weakly to moderately deformed and strongly magnetic komatiitic basalts with trace disseminated pyrite (Figure 13, Figure 14). In proximity, strongly deformed and carbonate-chlorite-epidote altered boulders of komatiitic basalts contained quartz-carbonate veins with trace pyrite, and fuschite was identified in the groundmass (Table 10). Some of the deformed quartz-carbonate veins correspond to tension veins within the basalts and were sampled. The presence of ultramafics in this area suggests and extension of the unit to the north towards the south and identifies a variation in grain size (medium-intrusive vs fine-volcanic) and mineralogy. A potential shear zone in this area trending 78/84 was recorded suggesting the existence of a local deformation zone since no kinematics was observed. The western portion of the property is cross-cut by the NW-SE Cross Lake Fault. This structure was not measured and requires follow-up.

11. Significance to Mineral Exploration

The 2023 field campaign in the Norris Claims was successful in identifying the general geology, gold assays and type of alteration and mineralization for some of the units within the claims. Although the gold assays were generally weak (highest gold value returned from sampling was 5.12 ppb associated to a strongly magnetic gabbro), the presence of altered and strongly magnetic intrusions plus the presence of mafic volcanics with quartz ± carbonate ± sulphide veining and associated chlorite-carbonate alteration and a potential local deformation zone represents an opportunity for future exploration and requires follow-up. However, a more detailed and robust mapping and sampling program is required to further understand the structural and geological context, identify units (i.e syenitic intrusions) and areas of interest, and detect the scale and consistency of anomalies for economic gold.

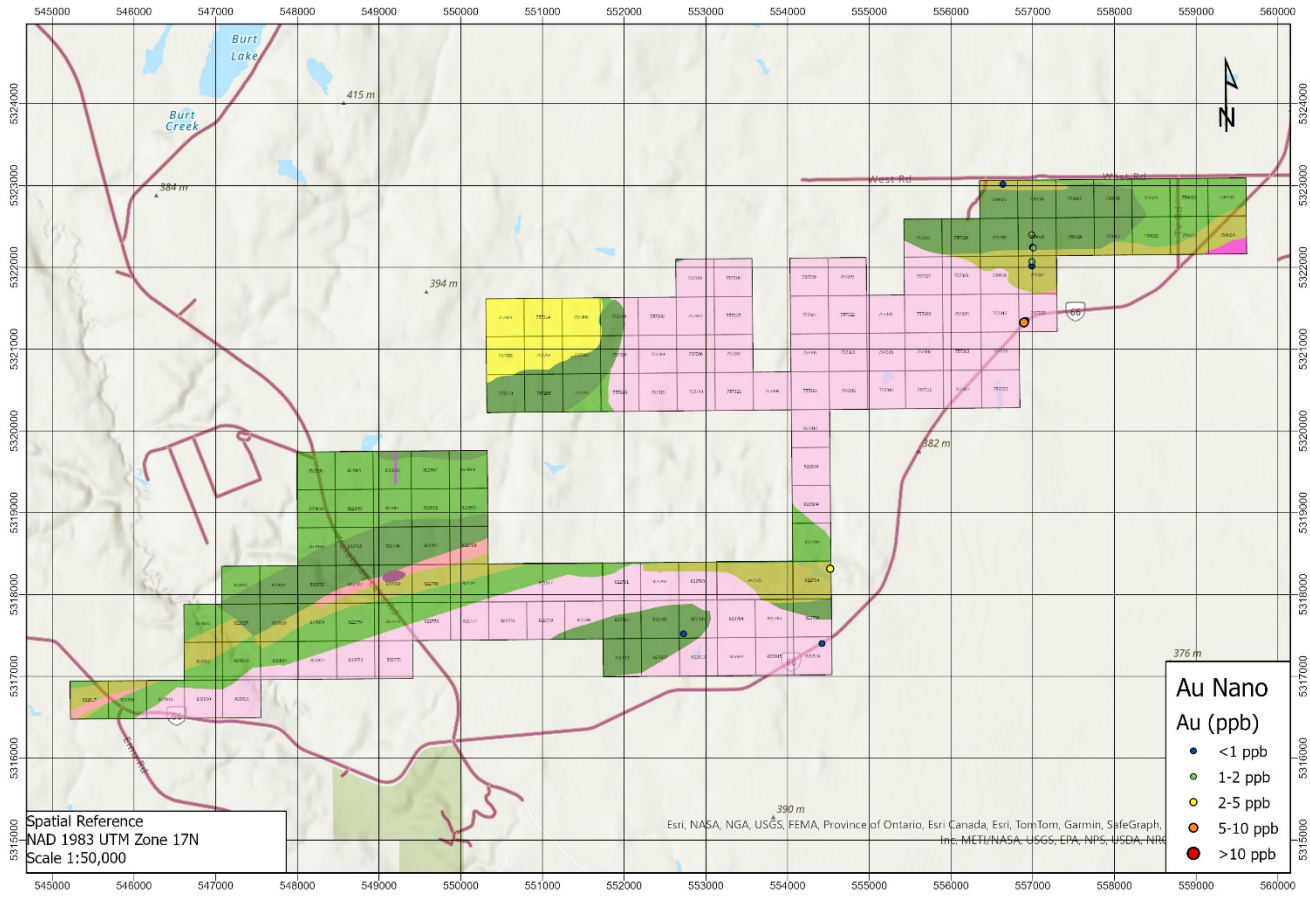


Figure 11. Au assay results on the Norris property.



Figure 12. Rock geochemistry for Au, Ag, As, Sb of samples on the Norris property

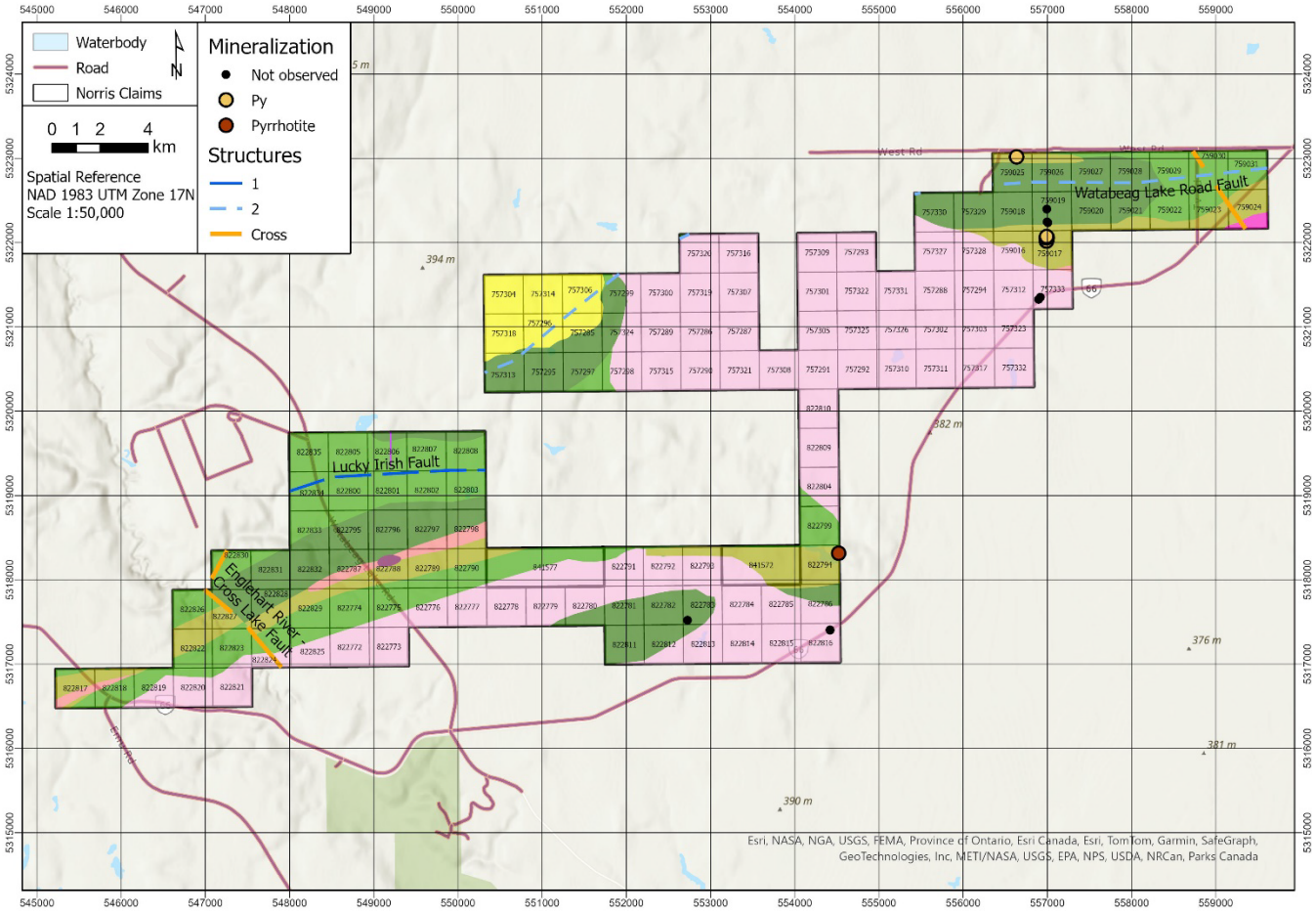


Figure 13. Observed occurrences of sulphide mineralization on the Norris property.

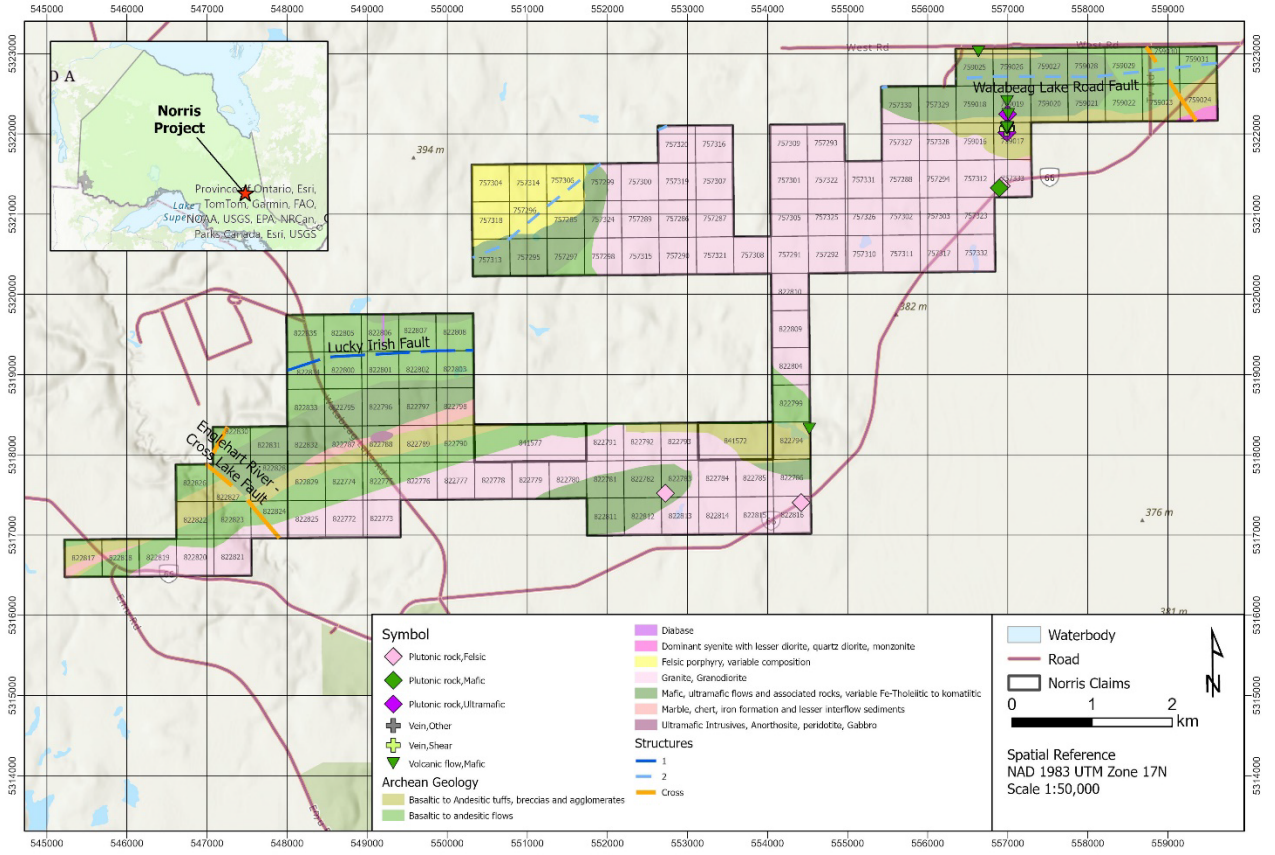


Figure 14. Interpreted bedrock geology including lithology coded rock samples on the Norris property.

12. Summary and Recommendations

Barrick geologists and contractors conducted field work on the area from July 15th to July 18th 2023; a total of 6 days including travel days were spent on the property.

Bedrock mapping and sampling was conducted to collect geological data including lithologic, structural and alteration observations in addition to bedrock sampling. The observational data combined with geochemical data has allowed Barrick geologists to assess the geological framework of the property and assess the potential to host gold mineralization.

A total of 17 observations of lithology and 12 structural measurements (9 planar structures, and 3 linear structures) were collected. 17 bedrock samples were taken on the property over the duration of the field campaign. These samples were shipped and analyzed at the ALS's Thunder Bay processing facilities.

Generally weak anomalism was identified within rock samples for gold. However, a moderate background gold value of 5.12 ppb associated to a strongly magnetic gabbro was returned from sampling. Moderately altered and strongly magnetic intrusions plus the presence of mafic volcanics with quartz ± carbonate ± sulphide veining and associated chlorite-carbonate alteration represents a first screening test that opens future exploration opportunities.

Based on program results, a more detailed mapping and sampling follow-up program is recommended to further understand the structural and geological context, identify units (i.e syenitic intrusions) and areas of interest, and detect the scale and consistency of anomalies for economic gold.

13. Statement of Costs

The major categories of costs incurred during this work program are summarized in Table 11. (Headcount summary in Appendix A and invoices are characterized in Appendix D)

Table 11. Summary of incurred expenses from the 2023 Norris property field program.

Rock Sample Allocation			
	Cost Type	**Cost Description**	**Cost Sub Totals**
	PERSONNEL		
		Barrick Geologists	$ 24517.86
		Report writing (7 days)	$ 3699.64
	LOGISTICS		
		Truck Rental[1]	$ 712.59
		Gas	$ 284.64
		Accommodation[1]	$ 473.29
		Groceries and field supplies	$ 396.26
		Travel Meals	$ 88.55
		Ground Transportation	$ 99.30

	Sample shipment	$	848.38
	TECHNICAL STUDIES		
	Assay Charges (Whole Rock)[2]	$	1626.24
	Assay Charges (Econ)[2]	$	601.00
	Norris Property: Grand Total	**$**	**33347.75**

Notes:

1. Rental cost and accommodation were recalculated for the total days spent in the Norris Property including travel days (6 days)
2. Total cost of assays recalculated for total samples in this report.

14. Qualifications of Author

I, Daniela Garcia Ramos, do hereby certify that:

1. I hold a Master of Science degree in Geology (2023) from Queen's University, Ontario.

2. I am a member of the Professional Geologists of Ontario (PGO, G.I.T registration # 11494).

3. Barrick Gold Inc. currently employs me in the role of Geologist in training, based in Kingston, Ontario

4. I hold an active prospector's license (# 2002419)

5. I am responsible for the preparation of this report titled "Report on 2023 Rock sampling on the Norris Project Timiskaming District."

6. I have visited and worked on the Property.

Dated at Kingston, Ontario, this 3rd day of June 2024.

Daniela Garcia Ramos, MSc., G.I.T (#11494)

(Signed and sealed)

References

Ayer, J., & Trowell, N. (2000). Geological Compilation of the Kirkland Lake, Abitibi Grensstone Belt. *Preliminary Mao Series*. Ontario Geological Survey.

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Groves, D., Goldfarb, R., Gebre, M. M., Hagemann, S., & Robert, F. (1997). Orogenic gold deposits: A proposed classification in the context of their crustal distribution and relationship to other gold deposit types. *13*, 7027. Ore Geology Reviews.

Ketchum, J. W., Ayer, J. A., Breemen, O. v., Pearson, N. J., & Becker, J. K. (2008). Pericontinental Crustal Growth of the Southwestern Abitibi Subprovince, Canada-U-Pb, Hf, and Nd Isotope Evidence. *Economic Geology, 103*, 1151-1184. doi:0361-0128/08/3768/1151-35

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Volk, J., & Bostwick, C. (2017). *NI 43-101 Technical report for the Young-Davidson mine, Matachewan, Ontario.* Toronto: Alamos Gold Inc. Retrieved from https://www.miningnewsfeed.com/reports/YoungDavidson_Technical_Report_12312016.pdf

Zhang, J., Linnen, R., Lin, S., & Davis, D. M. (2014). Paleoproterozoic hydrothermal reactivation in a neoarchean orogenic lode-gold deposit of the southern Abitibi subprovince: U-Pb monazite geochronological evidence from the Young-Davidson mine, Ontario. *Precambrian Research*, 263-272.

Appendix A: Barrick Field Headcount Summary

Barrick Employee	Position	Friday July 14, 2023	Saturday July 15, 2023	Sunday July 16, 2023	Monday July 17, 2023	Tuesday July 18, 2023	Wednesday July 19, 2023	Total days	Daily Rate ($ CAD)
David Holder	Principal Geoscientist	1	1	1	1	1	1	6	1,185.93
Victoria Scoging	Geological Field Assistant	1	1	1	1	1	1	6	528.52
Elizabeth Stock	Principal Geoscientist	1	1	1	1	1	1	6	1,185.93
Brandon Smith	GIS Analyst	1	1	1	1	1	1	6	1,185.93
Daniela Garcia Ramos	G.I.T						Report writing	7	528.52

Appendix B: CFO Declaration

CFO Declaration

June 3, 2024

To whom it may concern,

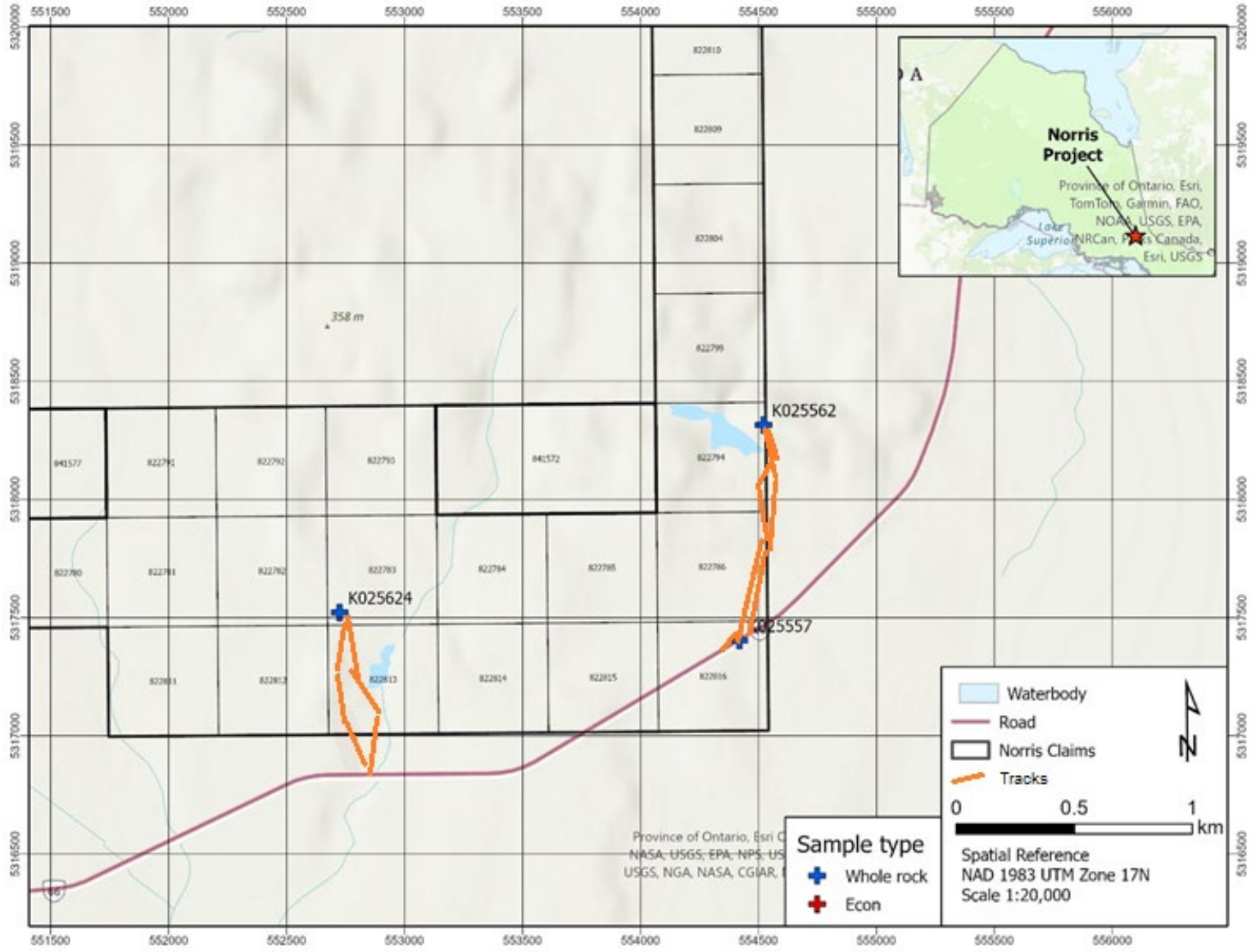
I, Kevin Annett, Vice President, Chief Financial Officer, North America of Barrick Gold Inc., have reviewed the head count summary data and the salary input data that is used to calculate the overall salary expenses submitted in the assessment report *(" Report on 2023 Rock sampling on the Norris Project Timiskaming District"*) and declare that, to the best of my knowledge, the information therein is true, and complete representation of salaries for those contributing to the Norris property evaluation.

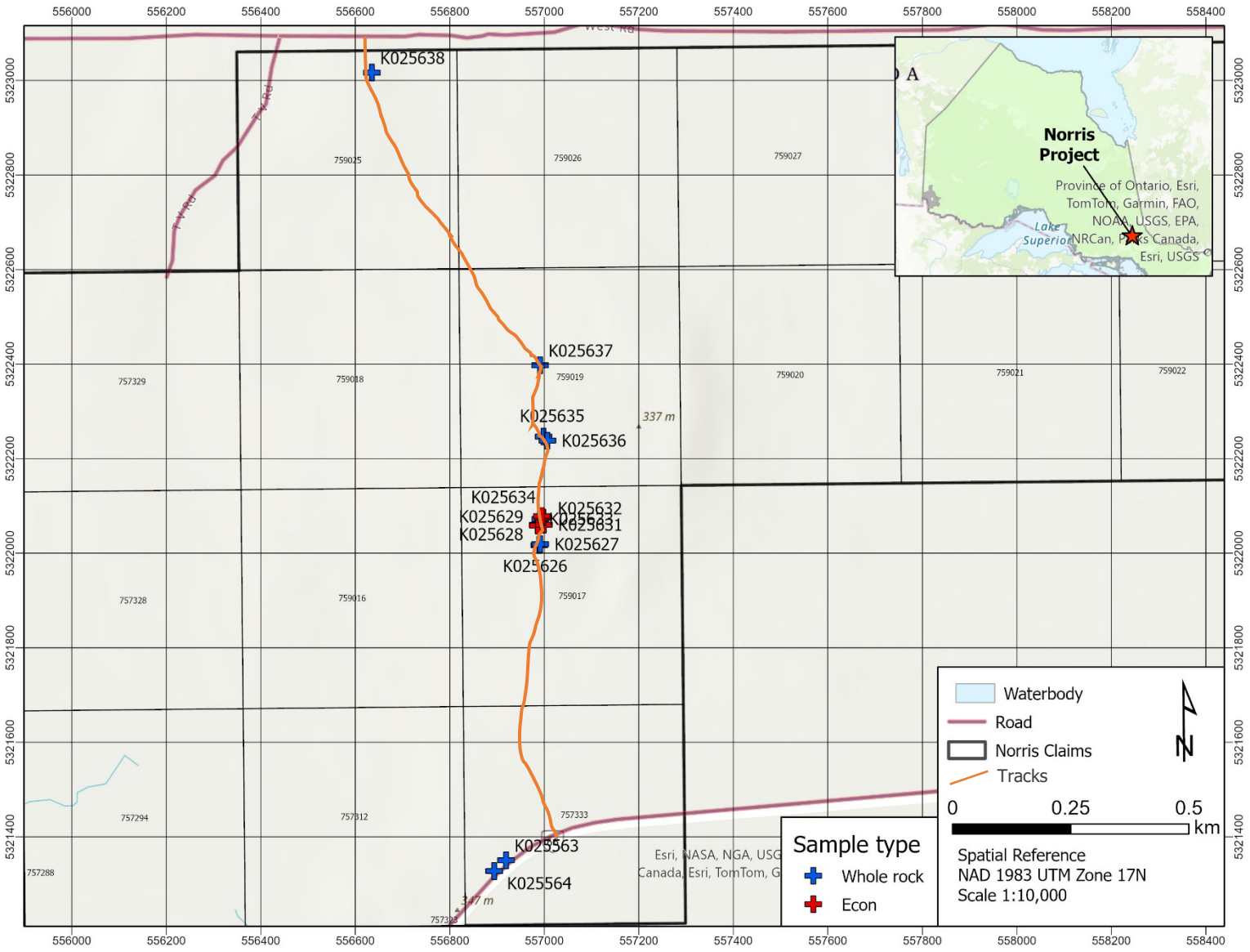
Signed,



Kevin Annett
CFO, North America

Appendix C: Large-format maps




K025638
K025637
K025635
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347 m
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759021
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757312
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757339
Norris Project
Province of Ontario, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NRCan, Parks Canada, Esri, USGS
Lake Superior
Waterbody
Road
Norris Claims
Tracks
0
0.25
0.5
km
N
Spatial Reference
NAD 1983 UTM Zone 17N
Scale 1:10,000
Sample type
Whole rock
Econ
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556600
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557000
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558200
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5322400
5322200
5322000
5321800
5321600
5321400

Appendix D: Lab certificates

Whole Rock Certificate

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To: BARRICK GOLD CORPORATION
BARRICK GOLD
161 BAY ST.
TORONTO ON M5J 2S1

Page: 1
Total # Pages: 6 (A - G)
Plus Appendix Pages
Finalized Date: 16-SEP-2023
Account: [redacted]

TB23215050

Project: [redacted]
P.O. No.: [redacted]
This report is for [redacted] samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 28-JUL-2023.
The following have access to data associated with this certificate:

[redacted]

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
TRSPEC-20	Spectral Scan VNIR and SWIR - Coarse
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-33	Split Sample - scoop split

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-NANO51	Au ppt 10g by AR+HF	ICP-MS
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	
ME-MS61	48 element four acid ICP-MS	
C-IR07	Total Carbon (IR Spectroscopy)	LECO
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
Hg-MS42	Trace Hg by ICPMS	ICP-MS

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:
Saa Traxler, Director, North Vancouver Operations

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161 BAY ST.
TORONTO ON M5J 2S1

Project: [redacted]

Finalized Date: 16-SEP-2023
Account: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method	WEI-21	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05
	Analyte	Recvd Wt.	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	SrO	P2O5	BaO	LOI
	Units	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025557		1.11	72.6	13.90	4.71	2.80	1.04	4.33	1.10	0.002	0.39	0.05	0.02	0.08	0.04	0.88
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025562		1.68	61.2	16.60	6.88	5.09	3.29	4.59	0.55	0.007	0.77	0.09	0.03	0.13	0.01	1.03
K025563		1.38	67.7	14.85	3.14	2.36	1.97	5.04	2.75	0.007	0.30	0.04	0.07	0.12	0.09	1.02
K025564		1.71	48.6	14.35	14.70	10.10	6.31	2.14	0.57	0.027	1.51	0.20	0.03	0.14	0.01	1.30
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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To: BARRICK GOLD CORPORATION
BARRICK GOLD
161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method	TOT-ICP06	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Total	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.01	0.5	0.1	5	0.01	0.05	0.03	0.02	0.1	0.05	0.05	0.01	0.1	0.01	0.05
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025557		101.94	348	75.4	21	0.55	6.19	3.69	1.22	17.7	6.34	8.75	1.31	34.3	0.56	13.55
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025562		100.27	103.5	21.2	58	0.46	2.36	1.33	0.95	19.1	2.66	4.13	0.49	9.5	0.19	6.34
K025563		99.46	838	37.9	60	0.97	1.20	0.53	0.88	20.7	2.10	3.00	0.22	17.2	0.08	2.63
K025564		99.99	115.5	19.1	104	0.19	4.89	2.97	1.33	19.2	4.21	3.07	1.00	7.9	0.42	5.27
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method Analyte Units LOD	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.02	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 0.5	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tl ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 0.5	ME-MS81 Y ppm 0.1
[redacted]																
K025557		34.7	9.05	27.7	7.29	2.5	190.5	1.2	1.02	5.35	0.10	0.50	1.22	33	0.5	33.7
[redacted]																
[redacted]																
K025562		11.1	2.60	11.3	2.65	0.6	234	0.5	0.41	2.13	0.07	0.18	0.57	114	<0.5	12.1
K025563		18.4	4.68	47.5	3.15	0.7	622	0.2	0.27	2.35	0.21	0.07	0.75	48	0.8	5.9
K025564		12.7	2.76	10.5	3.71	0.8	217	0.3	0.78	0.79	0.08	0.40	0.19	383	<0.5	26.0
[redacted]																
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TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method / Analyte / Units / LOD	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 1	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025557		3.57	316	0.01	6.85	0.2	320	1.56	0.02	2.03	<0.02	70.8	8.0	18	0.57	8.4
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025562		1.09	152	0.05	7.81	<0.2	100	0.76	0.08	3.63	0.07	20.2	21.0	48	0.45	35.0
K025563		0.47	103	0.02	7.03	1.3	790	1.16	0.08	1.68	0.02	36.3	8.6	47	0.95	12.6
K025564		2.53	101	0.06	7.99	<0.2	120	0.54	0.01	7.43	0.14	22.3	56.0	83	0.23	210
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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BARRICK GOLD
161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025557		3.14	17.90	0.11	3.2	0.038	0.93	32.4	23.1	0.58	391	1.22	3.15	13.0	10.0	340
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K025562		4.57	19.45	0.09	3.7	0.032	0.47	9.0	23.4	1.89	685	4.02	3.36	6.2	46.8	570
K025563		2.08	19.65	0.10	1.2	0.019	2.38	16.2	26.5	1.15	308	0.45	3.67	2.5	30.6	530
K025564		10.45	20.1	0.14	2.8	0.083	0.53	9.5	13.4	3.85	1530	0.61	1.67	5.0	88.6	680
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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To: BARRICK GOLD CORPORATION
BARRICK GOLD
161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025557		4.8	23.1	<0.002	0.02	<0.05	7.1	1	2.2	177.0	1.10	<0.05	4.91	0.232	0.10	1.0
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025562		4.0	8.1	<0.002	0.05	<0.05	12.5	2	0.6	222	0.50	<0.05	2.11	0.458	0.06	0.5
K025563		6.4	42.2	<0.002	0.01	0.06	5.1	3	0.6	567	0.17	<0.05	2.14	0.183	0.22	0.7
K025564		2.1	10.0	0.002	0.05	<0.05	40.6	1	0.9	233	0.31	<0.05	0.83	0.920	0.09	0.2
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
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Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Hg-MS42 Hg ppm 0.005	C-IR07 C % 0.01	S-IR08 S % 0.01	Au-NANO51 Au ppb 0.03	Au-ICP21 Au ppm 0.001
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
K025557		28	<0.1	30.8	39	97.7	<0.005	0.04	0.02	0.99	
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
K025562		103	0.3	12.4	58	148.0	<0.005	0.08	0.06	2.29	
K025563		42	<0.1	5.3	55	38.8	<0.005	0.04	0.02	0.65	
K025564		351	0.1	28.3	113	110.5	<0.005	0.04	0.05	5.12	
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	

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Finalized Date: 16-SEP-2023
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Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method	WEI-21	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05
	Analyte	Recvd Wt.	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	SrO	P2O5	BaO	LOI
	Units	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025624		0.78	71.8	14.65	3.45	3.35	1.00	4.48	1.02	<0.002	0.28	0.03	0.04	0.08	0.03	0.75
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025626		1.95	48.8	12.65	18.95	8.73	5.24	2.86	0.64	0.004	1.83	0.23	0.02	0.12	0.02	1.03
K025627		1.53	50.7	14.75	14.55	8.38	6.36	3.89	0.49	0.019	1.10	0.23	0.03	0.09	0.01	1.32
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025633		1.92	64.0	16.05	6.42	4.79	2.91	3.50	1.16	0.005	0.66	0.08	0.02	0.14	0.03	1.72
K025635		2.34	51.3	14.05	15.05	8.82	5.39	2.65	0.99	0.006	1.34	0.21	0.02	0.15	0.03	1.14
K025636		2.57	51.3	13.30	17.50	8.46	4.34	2.67	0.78	0.003	1.72	0.23	0.02	0.19	0.03	1.44
K025637		2.29	61.3	15.15	8.13	5.65	3.39	4.82	0.51	0.002	0.77	0.10	0.04	0.21	0.02	0.95
K025638		2.87	49.3	13.25	17.55	8.60	5.51	2.10	0.25	0.008	1.78	0.21	0.02	0.17	0.01	1.28
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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BARRICK GOLD
161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method / Analyte / Units / LOD	TOT-ICP06 Total % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 5	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.02	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.05	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.05
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025624		100.96	324	33.0	22	0.54	1.07	0.49	0.63	17.7	1.49	4.79	0.18	16.0	0.07	3.79
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025626		101.12	141.5	12.7	37	0.54	5.94	3.95	1.23	18.1	4.84	2.83	1.28	4.7	0.59	4.44
K025627		101.92	71.9	10.2	143	0.47	4.33	2.72	0.94	15.0	3.56	2.17	0.98	4.0	0.43	2.92
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025633		101.49	249	37.0	42	0.80	2.95	1.86	1.11	18.0	3.35	4.83	0.61	16.2	0.27	6.40
K025635		101.15	253	29.0	61	0.89	5.25	3.32	1.34	18.0	4.70	3.04	1.04	13.0	0.46	5.23
K025636		101.98	266	41.3	28	0.93	6.77	4.30	1.72	18.6	6.58	4.40	1.46	18.2	0.57	7.45
K025637		101.04	194.0	44.9	25	0.56	2.81	1.51	1.35	16.8	3.62	3.54	0.58	18.6	0.26	5.19
K025638		100.04	42.9	16.6	61	0.13	5.40	3.50	1.14	16.4	4.74	2.64	1.12	6.2	0.50	4.45
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description / Method / Analyte / Units / LOD	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.02	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 0.5	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tl ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 0.5	ME-MS81 Y ppm 0.1
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025624	12.2	3.41	21.7	1.96	0.6	412	0.2	0.19	4.37	0.10	0.07	0.38	33	0.5	4.8
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025626	9.9	1.99	19.0	3.24	1.0	185.0	0.3	0.88	0.44	0.06	0.55	0.16	560	1.1	34.2
K025627	7.9	1.57	17.1	2.51	0.7	263	0.2	0.62	0.31	0.09	0.42	0.07	334	0.5	25.9
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025633	18.2	4.46	39.4	3.51	1.2	154.0	0.5	0.51	2.21	0.13	0.26	0.52	81	0.6	17.6
K025635	15.5	3.78	36.4	3.93	0.9	172.5	0.3	0.80	2.36	0.15	0.45	0.54	368	0.9	29.1
K025636	22.4	5.19	19.3	5.52	1.5	154.5	0.5	1.11	3.53	0.13	0.60	0.87	398	0.5	38.4
K025637	22.7	5.68	15.5	4.38	0.9	327	0.4	0.51	2.37	0.06	0.21	0.53	159	<0.5	15.9
K025638	11.6	2.36	5.5	3.39	0.5	133.5	0.3	0.82	0.54	0.05	0.50	0.13	416	<0.5	31.8
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method Analyte Units LOD	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 1	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
[redacted]																
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K025624		0.48	192	0.04	7.93	0.5	320	0.85	0.02	2.61	0.02	31.4	7.0	16	0.55	10.6
[redacted]																
K025626		3.85	103	0.03	7.07	0.5	150	0.51	0.08	6.41	0.14	14.00	52.4	30	0.60	91.2
K025627		2.70	77	0.02	8.12	0.3	80	0.37	0.03	6.17	0.14	11.80	52.2	110	0.54	66.5
[redacted]																
K025633		1.72	195	0.04	8.86	<0.2	260	0.94	0.08	3.78	0.05	36.7	13.3	34	0.84	14.8
K025635		3.10	112	0.06	7.74	0.2	270	0.69	0.04	6.33	0.20	30.0	51.3	45	0.95	144.5
K025636		3.85	161	0.10	7.39	1.0	280	1.05	0.05	6.20	0.16	42.6	50.7	22	0.99	133.0
K025637		1.53	149	0.02	8.30	0.6	200	0.74	0.05	4.38	0.07	41.8	24.3	19	0.56	33.6
K025638		3.30	98	0.02	7.38	0.3	50	0.48	0.01	6.36	0.06	18.65	50.4	52	0.16	40.5
[redacted]																
[redacted]																
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CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025624		2.54	19.40	0.07	2.4	0.022	0.90	15.1	19.5	0.61	322	0.58	3.44	3.4	10.2	410
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025626		13.70	21.2	0.16	1.2	0.107	0.57	4.8	9.3	3.26	1880	0.79	2.25	4.7	43.3	540
K025627		10.50	19.05	0.13	1.1	0.081	0.42	4.2	15.0	3.95	1830	0.34	3.02	3.2	73.8	400
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025633		4.76	20.8	0.11	3.9	0.050	1.03	16.0	29.0	1.83	726	1.66	2.78	6.5	26.4	610
K025635		10.80	21.3	0.16	3.2	0.092	0.86	13.6	21.9	3.27	1675	0.80	2.03	5.6	60.6	690
K025636		12.60	21.8	0.18	4.3	0.113	0.69	19.4	27.4	2.65	1815	0.85	2.10	7.7	38.3	970
K025637		6.11	19.20	0.11	3.4	0.048	0.44	17.0	16.8	2.12	827	2.22	3.76	5.4	30.2	990
K025638		12.85	20.8	0.16	1.3	0.104	0.22	7.0	18.9	3.46	1680	0.83	1.66	4.8	52.3	780
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
[redacted]																
[redacted]																
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[redacted]																
[redacted]																
K025624		3.9	19.0	<0.002	0.01	0.05	4.7	2	0.6	403	0.21	<0.05	4.15	0.185	0.10	0.3
[redacted]																
K025626		3.3	20.2	0.002	0.09	0.06	55.1	3	1.0	203	0.29	<0.05	0.47	1.160	0.09	0.2
K025627		1.5	19.7	0.002	0.10	0.07	50.0	2	0.7	306	0.22	<0.05	0.37	0.681	0.08	0.1
[redacted]																
K025633		3.8	35.0	<0.002	0.06	0.05	14.3	2	1.3	165.5	0.47	<0.05	2.31	0.429	0.13	0.6
K025635		4.0	37.4	0.004	0.13	<0.05	41.5	2	1.1	189.5	0.37	<0.05	2.36	0.841	0.19	0.6
K025636		6.1	21.1	0.003	0.16	0.07	39.4	2	1.5	169.5	0.51	<0.05	3.55	1.120	0.12	0.9
K025637		3.5	7.5	<0.002	0.04	0.05	21.3	4	0.9	349	0.41	<0.05	2.18	0.497	0.06	0.5
K025638		0.9	5.8	0.004	0.07	0.06	46.4	2	0.6	157.5	0.32	<0.05	0.62	1.155	0.03	0.1
[redacted]																
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Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Hg-MS42 Hg ppm 0.005	C-IR07 C % 0.01	S-IR08 S % 0.01	Au-NANO51 Au ppb 0.03	Au-ICP21 Au ppm 0.001
[redacted]											
[redacted]											
[redacted]											
[redacted]											
[redacted]											
[redacted]											
K025624		29	<0.1	4.4	49	91.6	<0.005	0.09	0.04	0.54	
[redacted]											
K025626		520	0.2	35.9	151	38.0	<0.005	0.10	0.11	0.56	
K025627		328	0.2	28.5	124	40.6	<0.005	0.06	0.11	0.54	
[redacted]											
K025633		76	0.4	17.8	88	163.0	<0.005	0.08	0.06	1.01	
K025635		332	0.2	31.3	134	126.5	<0.005	0.04	0.12	1.20	
K025636		374	0.3	40.2	134	175.5	<0.005	0.04	0.14	1.16	
K025637		150	0.2	16.0	90	143.0	<0.005	0.07	0.04	1.19	
K025638		420	0.1	34.5	130	37.2	<0.005	0.05	0.07	0.46	
[redacted]											
[redacted]											
[redacted]											

***** See Appendix Page for comments regarding this certificate *****

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BARRICK GOLD
161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 16-SEP-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215050

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-32	PUL-QC	SPL-22Y	SPL-33
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-ICP21	Au-NANO51	C-IR07	Hg-MS42
ME-ICP06	ME-MS61	ME-MS81	OA-GRA05
S-IR08	TOT-ICP06	TRSPEC-20	

Econ certificate

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To: BARRICK GOLD CORPORATION
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161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 26-AUG-2023
Account: [redacted]

TB23215051

Project: [redacted]
P.O. No.: [redacted]
This report is for 7 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 28-JUL-2023.
The following have access to data associated with this certificate:

[redacted]

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
TRSPEC-20	Spectral Scan VNIR and SWIR - Coarse
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-33	Split Sample - scoop split

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	
ME-MS61	48 element four acid ICP-MS	
C-IR07	Total Carbon (IR Spectroscopy)	LECO
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
Hg-MS42	Trace Hg by ICPMS	ICP-MS

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:
Saa Traxler, Director, North Vancouver Operations

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Finalized Date: 26-AUG-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215051

Sample Description	Method	WEI-21	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05
	Analyte	Recvd Wt.	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	SrO	P2O5	BaO	LOI
	Units	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01
[redacted]																
K025628		4.12	85.7	4.28	4.56	1.58	1.76	1.48	0.12	0.010	0.23	0.04	0.01	0.01	<0.01	0.83
K025629		2.15	47.6	14.40	13.60	10.40	7.25	3.00	0.60	0.032	0.96	0.19	0.03	0.07	0.01	1.48
K025631		5.64	49.6	12.55	11.90	9.96	6.91	3.06	1.48	0.026	0.86	0.18	0.06	0.06	0.02	1.60
K025632		1.85	74.0	12.10	3.83	5.51	1.01	1.37	1.26	0.002	0.43	0.04	0.02	0.09	0.03	1.15
K025634		1.14	87.3	5.59	2.04	2.59	0.38	1.06	0.59	0.004	0.10	0.02	0.02	0.12	0.01	0.44
[redacted]																

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 26-AUG-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215051

Sample Description	Method Analyte Units LOD	TOT-ICP06 Total % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 5	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.02	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.05	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.05
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025628		100.61	24.5	4.4	77	0.15	0.63	0.40	0.21	7.0	0.68	0.41	0.14	2.4	0.07	0.94
K025629		99.62	105.0	9.4	236	0.41	3.75	2.38	0.93	16.2	3.04	1.68	0.82	3.9	0.36	2.65
K025631		98.27	226	30.1	198	0.13	3.54	2.00	1.21	14.6	3.32	1.52	0.73	15.7	0.31	3.85
K025632		100.84	292	37.6	20	0.46	2.72	1.64	1.00	14.0	3.11	4.52	0.55	16.5	0.23	5.68
K025634		100.26	87.7	4.8	38	0.20	0.25	0.14	0.15	8.6	0.39	0.39	0.06	2.3	0.03	0.77
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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161 BAY ST.
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Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215051

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Nd	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	V	W	Y
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.02	0.2	0.03	0.5	0.1	0.1	0.01	0.05	0.05	0.01	0.05	5	0.5	0.1
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025628		2.2	0.55	2.1	0.61	<0.5	70.0	<0.1	0.10	0.55	<0.05	0.05	0.13	71	2.1	3.7
K025629		7.6	1.38	12.4	2.21	0.6	203	0.1	0.52	0.44	0.05	0.35	0.17	315	0.6	22.8
K025631		16.0	3.85	26.0	3.25	0.8	503	0.2	0.50	1.91	0.14	0.28	0.51	276	1.4	20.0
K025632		19.3	4.75	43.9	3.88	1.2	114.0	0.4	0.47	2.38	0.13	0.23	0.60	29	0.5	16.5
K025634		2.0	0.53	15.4	0.34	0.5	122.0	<0.1	0.04	0.15	0.07	0.02	0.10	40	1.1	1.5
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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TORONTO ON M5J 2S1

Finalized Date: 26-AUG-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215051

Sample Description	Method	ME-MS81	ME-MS81	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Yb	Zr	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.03	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025628		0.34	15	0.02	2.33	0.5	20	0.21	0.01	1.21	0.02	3.72	11.6	72	0.14	68.5
K025629		2.34	62	0.05	7.83	<0.2	110	0.50	0.05	7.43	0.10	9.78	46.3	172	0.46	62.2
K025631		2.13	55	0.09	6.70	0.2	240	1.00	0.32	6.98	0.07	32.5	39.5	147	0.16	176.0
K025632		1.45	184	0.14	6.04	<0.2	290	0.90	0.10	4.00	1.00	35.0	6.1	20	0.43	33.0
K025634		0.15	15	0.13	2.97	0.3	90	0.22	0.11	1.98	0.04	4.66	2.5	31	0.21	5.7
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 26-AUG-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215051

Sample Description	Method Analyte Units LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
[redacted]																
K025628		3.26	7.49	0.06	0.4	0.016	0.10	2.1	4.6	1.07	403	1.91	1.16	0.9	33.9	30
K025629		9.56	17.55	0.11	1.0	0.070	0.51	3.8	14.6	4.40	1525	0.79	2.37	2.5	112.5	330
K025631		8.35	15.90	0.14	1.3	0.067	1.24	17.0	6.9	4.17	1435	475	2.37	3.8	116.5	260
K025632		2.64	14.05	0.06	1.1	0.088	1.04	15.1	15.1	0.57	388	4.22	1.06	5.4	10.0	400
K025634		1.47	9.23	<0.05	0.2	0.015	0.51	2.3	3.3	0.23	204	1.96	0.83	0.7	13.0	590
[redacted]																

***** See Appendix Page for comments regarding this certificate *****

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161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 26-AUG-2023
Account: [redacted]

Project [redacted]

CERTIFICATE OF ANALYSIS TB23215051

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
[redacted]																
K025628		1.4	2.1	<0.002	0.16	0.07	10.3	1	0.3	70.5	<0.05	<0.05	0.42	0.140	<0.02	0.1
K025629		3.6	12.5	<0.002	0.11	0.07	46.2	1	0.7	221	0.16	<0.05	0.40	0.577	0.06	0.2
K025631		8.1	25.7	0.377	0.49	0.07	41.2	1	0.7	521	0.16	<0.05	1.91	0.509	0.15	0.5
K025632		4.8	34.9	0.002	0.09	0.08	7.6	<1	1.3	110.0	0.40	0.07	2.06	0.251	0.13	0.5
K025634		2.1	14.1	<0.002	0.05	0.08	1.5	<1	0.4	121.5	<0.05	<0.05	0.14	0.057	0.05	0.1
[redacted]																

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 26-AUG-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215051

Sample Description	Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Hg-MS42 Hg ppm 0.005	C-IR07 C % 0.01	S-IR08 S % 0.01	Au-ICP22 Au ppm 0.001
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K025628		65	0.1	3.2	33	13.7	<0.005	0.09	0.16	<0.001
K025629		289	0.1	21.6	97	20.9	<0.005	0.09	0.12	<0.001
K025631		247	0.2	20.0	100	45.0	<0.005	0.07	0.46	<0.001
K025632		24	0.2	13.8	147	46.2	<0.005	0.05	0.08	0.001
K025634		37	0.1	1.4	9	7.1	<0.005	0.08	0.04	<0.001
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 26-AUG-2023
Account: [redacted]

Project: [redacted]

CERTIFICATE OF ANALYSIS TB23215051

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-32	SPL-22Y	SPL-33	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-ICP22	C-IR07	Hg-MS42	ME-ICP06
ME-MS61	ME-MS81	OA-GRA05	S-IR08
TOT-ICP06	TRSPEC-20		

Appendix F: List of abbreviations

Abbreviation	Description
CLFZ	Cadillac-Larder Lake Fault Zone
OGS	Ontario Geological Survey
ICP-MS	Inductively coupled plasma mass spectrometry
ICP-AES	Inductively coupled plasma atomic emission spectroscopy
Chl	Chlorite
Cb	Carbonate
Fu	Fuchsite
Qtz	Quartz
Py	Pyrite
Po	Pyrrhotite
Hem	Hematite
Ep	Epidote