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Report on the 2024 Field Program on Project Norris, Barrick Gold

Timiskaming District

NAD 1983 UTM Zone 17N

Larder Lake Mining Division

Ontario

Prepared By

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03/23/2025

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5.0. Summary

This report comprises exploration activities performed on Barrick Gold's Project Norris ("Norris"), conducted by Barrick Gold Inc. ("Barrick") in 2024.

Project Norris is located in Northeastern Ontario along Highway 66 between Kirkland Lake and Matachewan (Figure 1). The property is centered around the UTM coordinates 543582E/5315300N (NAD83 Zone 17N). It consists of a 7875 ha land package composed of 420 single cell mining claims situated within Alma, Cairo, Holmes, Flavelle, Burt, Gross, Eby and Blain townships. Barrick Gold Inc has mineral rights to 224 single & boundary cell mining claims, while the remaining 196 single & boundary cell mining claims are held by Mr. J. Rapski, under option to Barrick Gold Inc.

The main objective of the exploration work on the property in 2024 was to screen for untested gold anomalism using till sampling plus localized prospecting and mapping. In particular, the goal of the programs was to discover new zones of gold mineralization, particularly where previously untested due to post-mineral cover, regardless of the style or tenor of mineralization and to develop a framework to understand and screen known showings or mineralized zones.

The 2024 program consisted of a property-scale LiDAR survey and surficial geology interpretation, localized till sampling, prospecting, and geological mapping. Barrick staff mobilized to the project beginning on May 14th, 2025, and departed on May 30th, 2024; this program is inclusive of work completed on ground held by Prosper Gold at the time, under a work agreement between Barrick and Prosper. A second mapping and sampling program occurred from September 17th to September 30th, 2024. A total of 358 lithology stations and 99 till stations were mapped on Barrick and Rapski's mining claims. LiDAR imagery was collected by KBM Resources Group on May 16th, 2024. Three short visits were completed in October and November in order to prepare the property for field work in 2025.

The project area's geology comprises Archean age mafic metavolcanics with minor intermediate to felsic metavolcanic, intercalated locally with metasedimentary rocks as

well as numerous Archean-aged felsic to intermediate intrusions, all which are cut by dominantly Proterozoic dykes of primarily mafic compositions. Much of the property area has been buried under Paleoproterozoic glacio-sedimentary cover. The area has a complex structural history that includes multiple phases of deformation, most obviously manifested as at least two phases of folding and multiple generations of faulting and shearing. Metamorphism peaked in supracrustal rocks in upper greenschist to lower amphibolite facies.

LiDAR data acquisition aimed to providing high quality DEM for use during subsequent mapping on the property. The data was used to provide insights into the historic workings on the property and to create a newly interpreted surficial geology map for the property. This surficial geology interpretation was useful in planning till sampling across the property. Prospecting, mapping, and grab sampling allowed for a better understanding of the property's geology and mineralization potential.

Total incurred expenditures of $240,445.96 is being submitted for assessment credit in this work report. Expenses are allocated by major accounting category and sub-category and summarized in Table 9 and in Appendix G; invoices corresponding to all lines are included in Appendix H.

Based on the results and interpretation from the 2024 exploration program, further work is recommended on the property to identify source(s) for gold anomalism. A trenching program and more detailed mapping would be suitable to build a geological framework on targets outlined within the Cairo Stock and its volcanic margins. A drilling program would be beneficial to understand the geology beneath the Huronian cover. Follow up prospecting and mapping is recommended on the eastern portions of the property under option from Mr. J. Rapski, as these were not explored in 2024.

6.0. Introduction

The objective of the 2024 field program was to collect the necessary property-scale data, such as LiDAR, and to effectively utilize this data to plan and conduct geochemical and geological screening, including till sampling, prospecting, and geological mapping,

and preparatory work for future mobilization of equipment, with the goal of recognizing the potential for anomalism related to gold mineralization hosted on the Property. The outcomes from these programs are described and discussed below and detailed data are presented in the Appendices.

7.0. Location, Access, Physiography, Vegetation and Climate

7.1. Property Location and Accessibility

Project Norris is located in the Timiskaming District, Larder Lake Mining Division of Northeastern Ontario, approximately 22 km southwest of Kirkland Lake and northeast of Matachewan 543582E/5315300N (NAD83 Zone 17N). The project is located within the Alma, Cairo, Holmes, Flavelle, Burt, Gross, Eby and Blain townships (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. Eby (Secondary) West Roa d 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 11 km to Middleton Lake, then utilizing a variety of north and south branching logging roads that intersect with Highway 66, notably Holmes Lake Road, Separation/ Chief's Lake Road, and Nursery/Watabeag Road

7.2. 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 in the east and till cover in the west) and the landforms that occur. Bedrock exposure at surface, especially west of the Englehart River is often covered by a discontinuous, thin layer of till. 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). The

Englehart River bisects the property, running north to south. In the western portion of the property, lakes are more dominant, notably Middleton, Wylee, and Holmes Lakes. Temperatures range from +35°C in the summer months (June-August) to -35°C in the winter months (December-March).

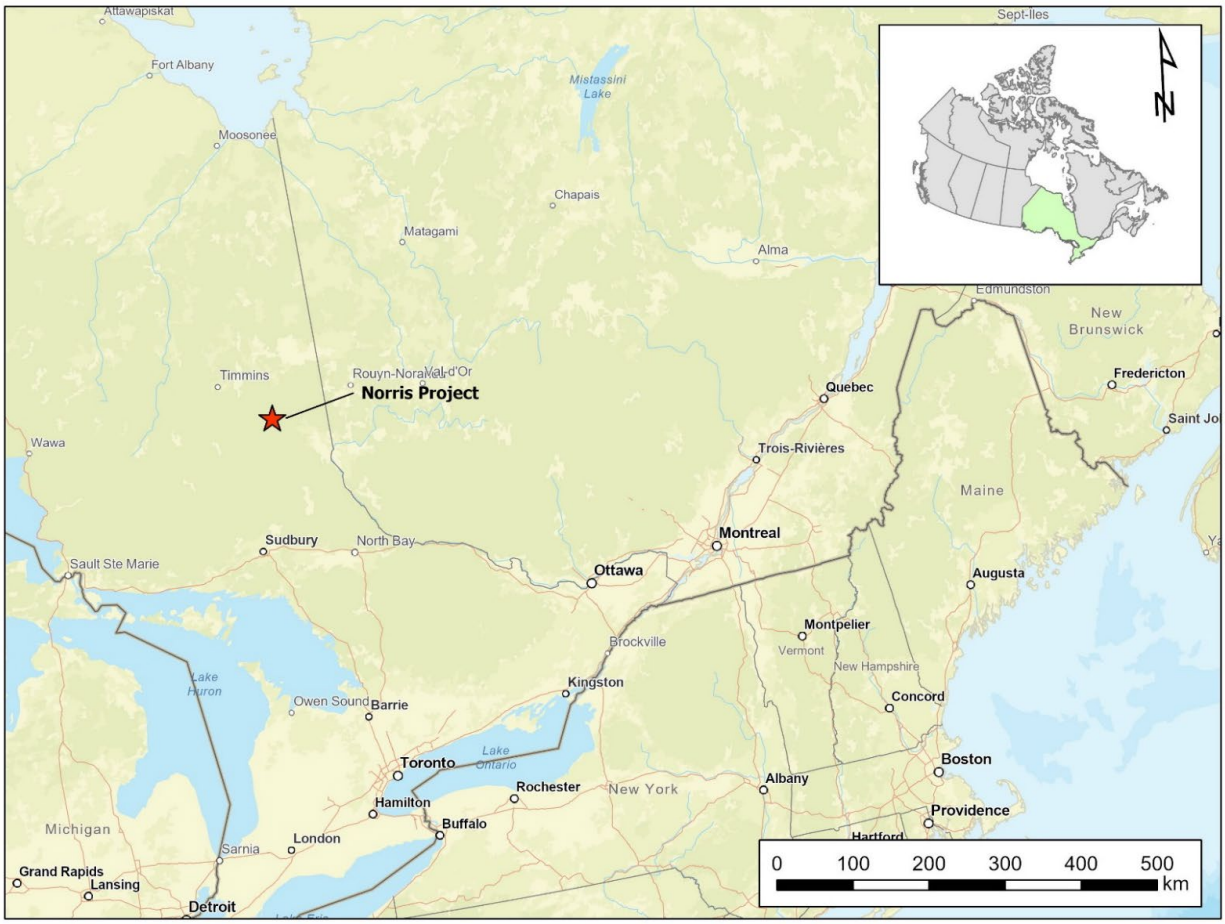


Figure 1. Location of Project Norris in Ontario, denoted by a red star.

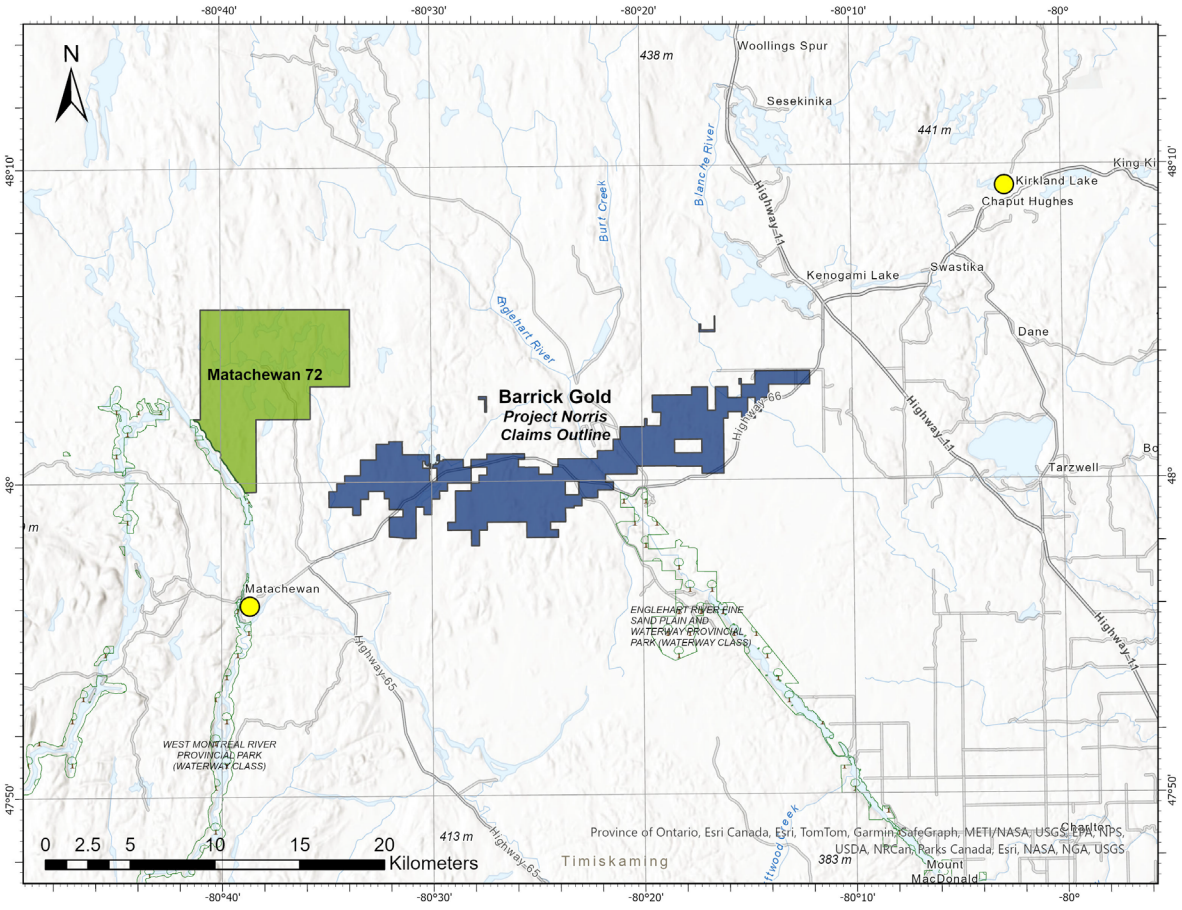


Figure 2. Location of Project Norris in Northeastern Ontario with reference to nearby towns & First Nations communities.

8.0. Claim Status, Permits, Land Agreements & Personnel

8.1. Claims Status

Project Norris consists of a 7875 hectare land package composed of 420 single cell mining claims situated within Alma, Cairo, Holmes, Flavelle, Burt, Gross, Eby and Blain townships. Barrick Gold Inc has mineral rights to 224 single & boundary cell mining claims, while the remaining 196 single & boundary cell mining claims are held by Mr. J. Rapski, under option to Barrick Gold Inc. Figure 4. thematically displays the expiry date of the claims comprising the Property.

On September 25th, six exploration permits were issued by the Ontario Ministry of Mines for exploration activities on the property. These include:

- PR-24-000180
- PR-24-000181
- PR-24-000182
- PR-24-000183
- PR-24-000184
- PR-24-000185

Additionally, on October 24th, encroachment permit EC-2024-53N-00000053 V2 was issued by the Ontario Ministry of Transportation for drilling activities that may cross the surface footprint of the highway.

8.2. Land Agreements

Prior to July of 2024, Barrick Gold Inc. held 100% interest in several claims now comprising Norris East. On July 2nd, 2024, Barrick completed a purchase agreement with Prosper Gold for their claims package over the Cairo Stock west of Holmes and Wylee Lakes, as well as six mining patents contained within. On July 3rd, Barrick signed an option agreement with Mr. J. Rapski for several groups of claims that spanned between the former Prosper Gold ground and the claims held by Barrick in Norris East.

8.3. Personnel

Barrick staff and contract geologists performed exploration work. Barrick employees spent 197.5 person days on the project in 2024 with 5 days claimed for assessment report writing and LiDAR interpretation by the author. A monthly breakdown of person days (excluding Barrick-external contractors) is presented in Table 1 (Appendix B).

Table 1. Total person days spent by Barrick staff and contractors on the project in 2024 (including travel days within Ontario).

Appendix B. - Headcount							
Name	**May**	**July**	**August**	**October**	**November**	**2024**	**2025**
	Days	**Days**	**Days**	**Days**	**Days**	**Days**	**Report**
Bedeaux, Pierre	6		3			9	
Hua, Brian	21					21	
Houle, Simon	7	3				10	
VanderWal, Jacob	17	1	12	3	3	36	5
Vrzovski, Joseph	8		8			16	
Gelinas, Brigitte			4			4	
Hunt, Leslie				3		3	
Stock, Liz	9					9	
Aneddame, Aimad					2.5	2.5	
Roberts, Emma	21				3	24	
Garcia, Daniela	21		6			27	
Minty, Jade	15					15	
Raeggler, Jaeden	21					21	
Barrick Staff (Total)	68	4	27	6	5.5	110.5	5
Barrick Contractors (Total)	78	0	6	0	3	87	0
Barrick *(All Personnel)*	**146**	**4**	**33**	**6**	**8.5**	**197.5**	5

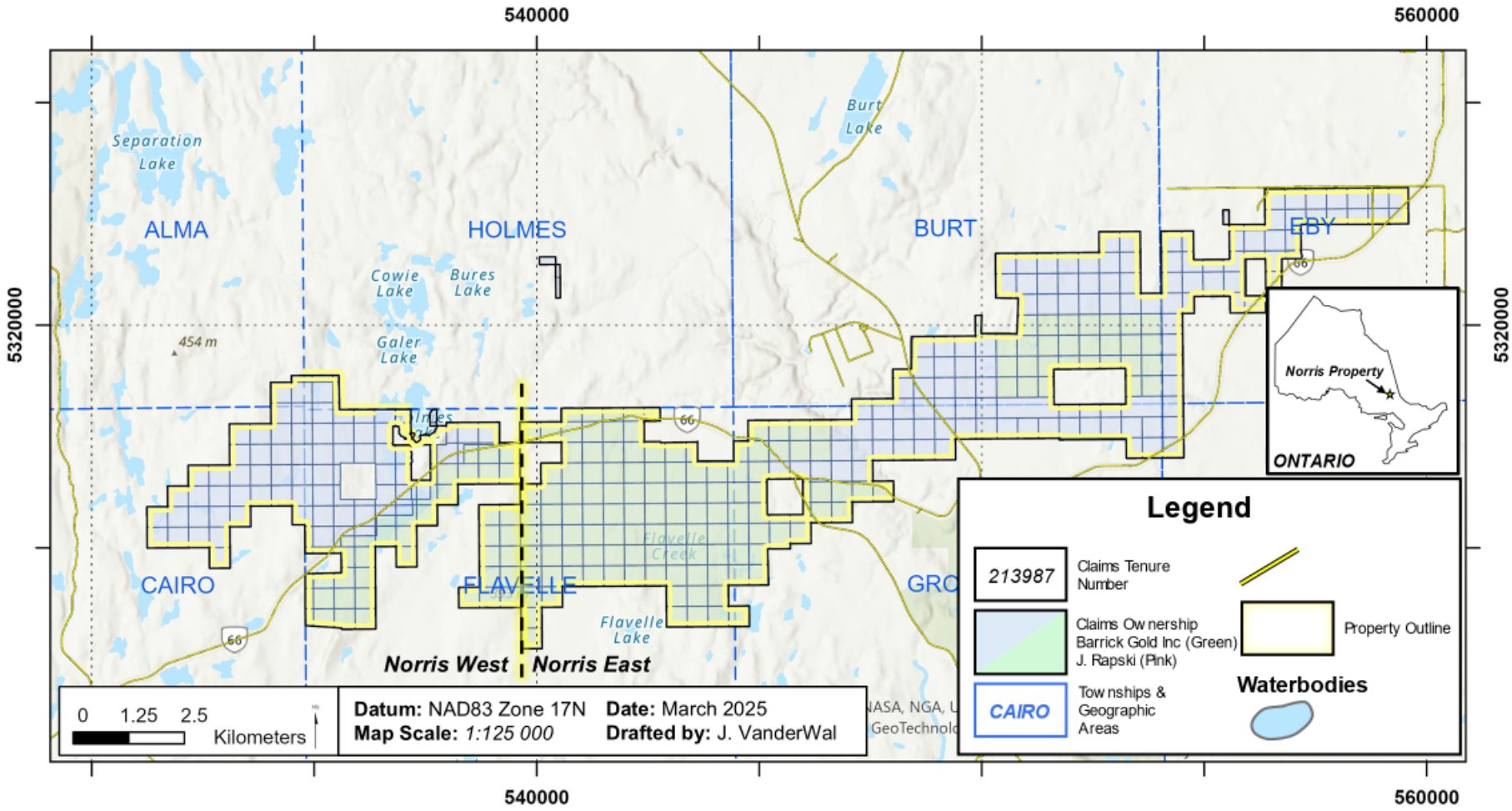


Figure 3. Generalized claims map for Project Norris, showing claims ownership. See corresponding large format map in Appendix F.

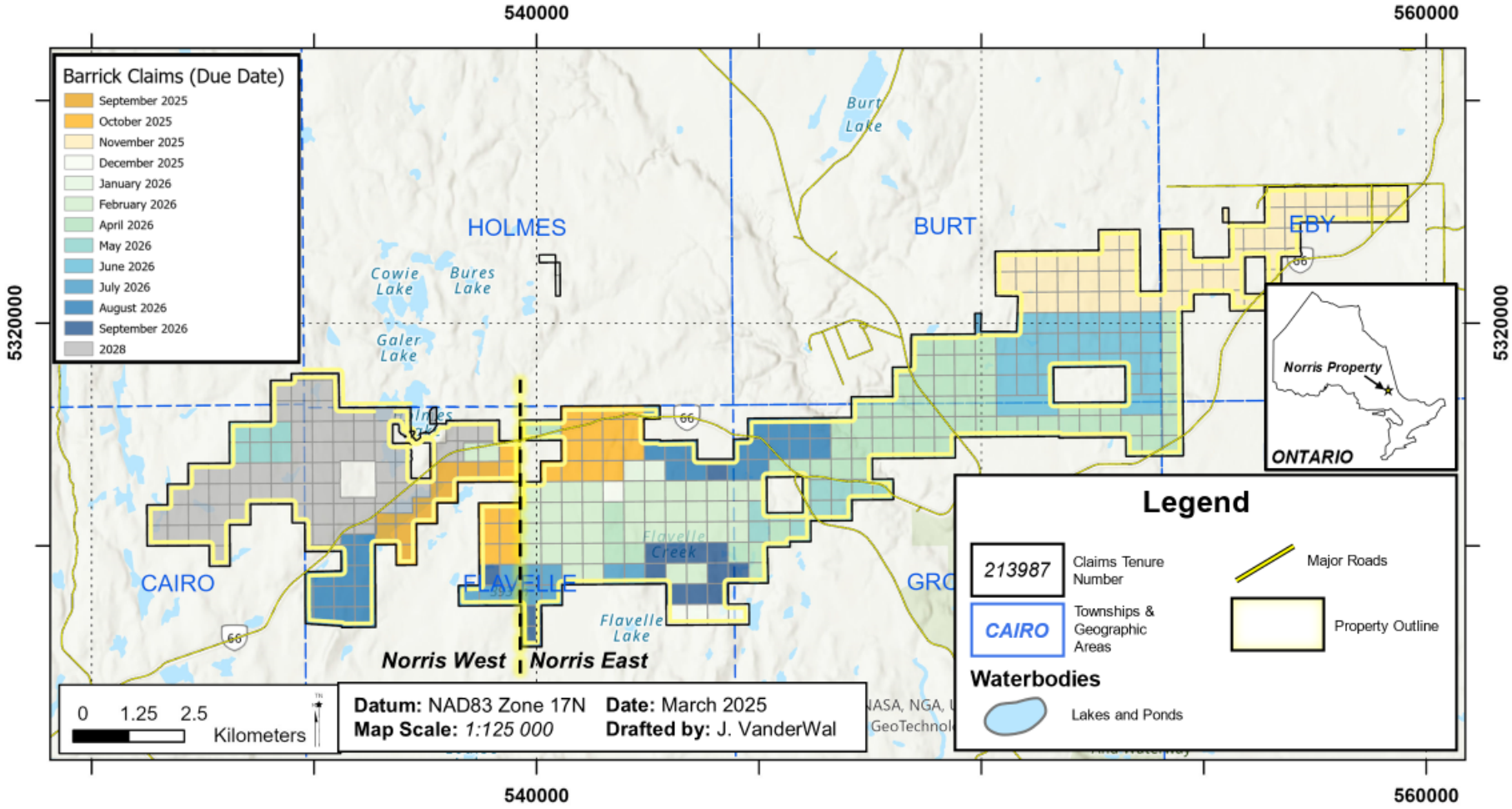


Figure 4. Generalized claims map symbolized by due date for Project Norris.

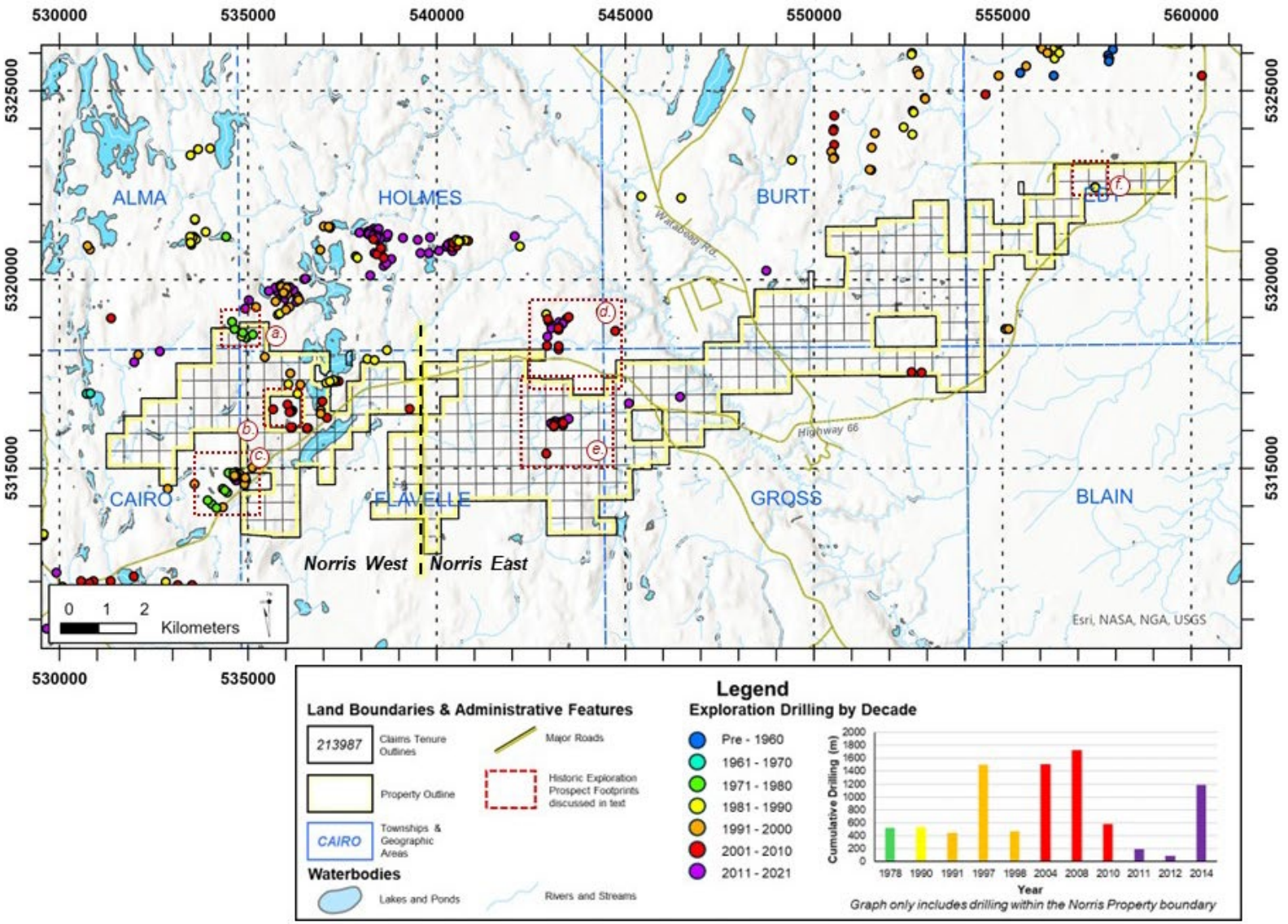


Figure 5. Drilling by decade within the vicinity of Project Norris. Historic exploration footprints discussed in text include: a. Brookbank, b. Allen-Coghill (Chartre-Dufresne), c. Biralger, d. Island 27, e. Lucky Irish, f. Preston Dome Mines - Eby. See corresponding large format map in Appendix F.

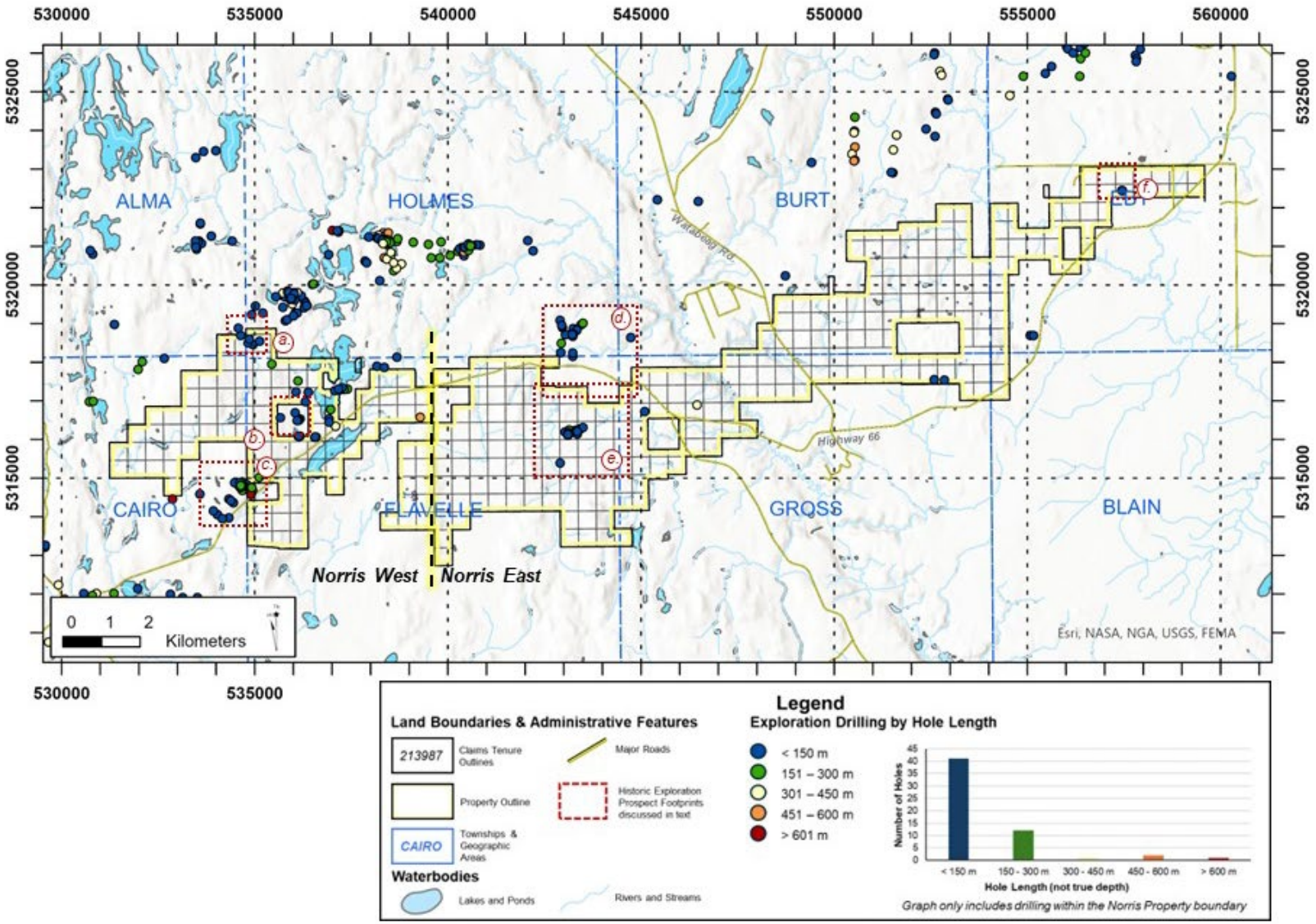


Figure 6. Drilling by depth in the vicinity of Project Norris.. Historic exploration footprints the same as those outlined in Figure 4. See corresponding large format map in Appendix F.Table 2. Historic drilling contained within the footprint of Project Norris.

Table 2. Summary of historic drilling collar data and associated AFRI's within Project Norris.

Hole ID	Easting *(NAD83 Z17N)*	Northing *(NAD83 Z17N)*	Elevation *(derived from DEM, m ASL)*	Length *(m)*	Year	Assessment ID *(AFRI)*
78-1	534718	5318512	364	75	1978	42A02SE0017
78-2	534503	5318589	369	76	1978	42A02SE0017
78-3	534383	5318664	371	76	1978	42A02SE0017
78-4	535494	5318519	360	98	1978	42A02SE0017
78-5	535491	5318463	358	96	1978	42A02SE0017
78-6	534747	5318484	362	30	1978	42A02SE0017
78-7	534747	5318484	362	69	1978	42A02SE0017
FLV-90-4	537158	5317305	330	88	1990	42A02SE0254
FLV-90-5	536298	5316977	333	69	1990	42A02SE0254
FLV-90-1	537196	5317287	329	101	1990	42A02SE0254
FLV-90-2	537196	5317283	329	122	1990	42A02SE0254
FLV-90-3	537255	5317336	328	152	1990	42A02SE0254
FLV-91-6	536372	5317216	328	159	1991	42A02SE0254
FLV-91-7	536914	5316529	332	159	1991	42A02SE0254
FLV-91-8	536909	5316443	342	122	1991	42A02SE0254
WK-05	535110	5315023	377	302	1997	41P15NE2003
WK-2	534845	5314275	336	1201	1997	42A02SE0056
DDH-2-98	535440	5317951	367	222	1998	42A02SE2007
DDH-1-98	536119	5317519	330	251	1998	42A02SE2007
CD04-12	536567	5316070	355	101	2004	20000000813
CD04-01	537761	5317447	368	227	2004	20000000813
CD04-02	537402	5317306	351	210	2004	20000000813
CD04-03	537315	5317294	339	184	2004	20000000813
CD04-04	536168	5316530	345	101	2004	20000000813
CD04-05	536150	5316522	346	107	2004	20000000813
CD04-06	536145	5316497	348	101	2004	20000000813
CD04-07	536115	5316502	350	101	2004	20000000813
CD04-08	536097	5316489	351	75	2004	20000000813
CD04-09	536044	5316690	344	100	2004	20000000813

Hole ID	Easting *(NAD83 Z17N)*	Northing *(NAD83 Z17N)*	Elevation *(derived from DEM, m ASL)*	Length *(m)*	Year	Assessment ID *(AFRI)*
CD04-10	535669	5316568	375	101	2004	20000000813
CD04-11	536145	5316092	361	101	2004	20000000813
BF08-01	536577	5316063	354	101	2008	20000005765
BF08-02	536557	5316061	355	101	2008	20000005765
BF08-03	536540	5316054	356	141	2008	20000005765
BF08-04	536557	5316063	355	141	2008	20000005765
BF08-06	536137	5316078	361	102	2008	20000005765
BF08-07	536119	5316072	360	101	2008	20000005765
BF08-08	536136	5316084	361	50	2008	20000005765
BF08-09	537085	5316343	327	599	2008	20000005765
BF08-10	536956	5316777	329	284	2008	20000005765
BF08-05	536157	5316092	362	102	2008	20000005765
KR1001	539283	5316578	337	578	2010	20000005760
KL1181	545090	5316720	310	191	2011	20000009194
F-12-01	543131	5316149	317	16	2012	20000014820
F-12-02	543130	5316149	317	11	2012	20000014820
F-12-03	543133	5316145	317	14	2012	20000014820
F-12-04	543121	5316135	316	22	2012	20000014820
F-12-05	543349	5316212	318	21	2012	20000014820
MLI-01	543144	5316185	319	159	2014	20000014447
MLI-02	543342	5316243	319	123	2014	20000014447
MLI-03	543258	5316221	322	90	2014	20000014447
MLI-04	543185	5316190	321	81	2014	20000014447
MLI-05	543430	5316283	313	129	2014	20000014447
MLI-06	543493	5316309	311	138	2014	20000014447
MLI-07	543493	5316309	311	123	2014	20000014447
MLI-08	543032	5316194	317	99	2014	20000014447
MLI-09	543141	5316244	322	245	2014	20000014447
			Total Drilling (m):	**8740**		

9.0. Exploration History

9.1. Property Summary

Project Norris is located parallel to the interpreted trace within the Cadillac-Larder Lake Deformation Zone (CLLDZ), a regional-scale deformation zone hosting gold in the southern Abitibi Greenstone Belt, which has a historic production of 160 Moz of Au in both Ontario and Quebec. For example, two producing gold mines, the Young-Davidson Mine (Alamos Gold) and the Macassa Mine (Agnico Eagle), are located approximately 26 km to the west and 15 km to the east of the property, respectively. As a result, there has been a wide range of exploration activities on the property. Project Norris encompasses eight townships: Alma, Cairo, Holmes, Flavelle, Burt, Gross, Eby, and Blain. The Ontario Geological Survey's Assessment Files Registry records more than 841 assessment reports filed within these townships, covering the years 1949 to 2023. Of these, 192 assessment reports are directly relevant to the property (Appendix M).

Exploration in the area has primarily focused on gold, with secondary attention given to kimberlites (diamonds), uranium, copper, nickel-PGE, and massive sulfides. Given the considerable number of assessment reports of varying relevance, a summary of each is not included in this report. However, those deemed significant to exploration throughout the property are summarized here. Over the course of these exploration activities, a total of fifty-seven drill holes (of all types) have been drilled on the property (including on contained mining leases), with a cumulative drilling length of approximately 8,740 meters (Figures 5 & 6, Table 2).

9.2. Detailed Exploration History

Given the scale of the property from east to west, the exploration history outlined below is divided into two parts (Figure 5). Norris West encompasses everything west of the center line of Flavelle Township, while Norris East covers everything east of this line (approximately 540,000 E NAD83 Z17N). This division reflects the fact that significantly more exploration activity has occurred in the western portion of the property compared to the eastern portion. The central area is covered by substantial Huronian rock,

whereas the western part is closer to the Cadillac-Larder Lake Deformation Zone and numerous showings near Matachewan.

9.2.1. Norris West

The exploration history summarized here is based on Burden (2004), covering all work completed up to 2004, with additional details provided by the author of this report for work conducted after 2004. The first recorded work in the Alma-Holmes portions of the property was conducted by Burrows (1918), who reported two test pits in the southeast corner of Alma Township. These pits targeted several quartz veins that assayed up to 0.38 oz Au per ton and 8 oz Ag per ton.

In 1935, Dyer reported that a series of trenches in the southern half of Lot 11 in the VI Concession of Flavelle Township uncovered a well-mineralized quartz-tourmaline-pyrite-galena-chalcopyrite vein striking at 240 degrees, measuring up to five meters wide, and traced over 450 meters. In 1948, drilling by A. E. Bailey of Timmins, Ontario, intersected the same vein, which was 9.4 to 12.8 meters wide and contained pyrite, chalcopyrite, galena, and streaks of tourmaline. No assay values are known from this work.

In 1949, William Savage, Resident Geologist for the Ontario Department of Mines, visited the "Chavigny Gold Mines" property in the SE 1/4 N one-half Lot 11 in the V Concession of Flavelle Township. Savage observed multiple quartz-tourmaline-pyrite-galena-chalcopyrite veins up to two feet wide cutting through syenite porphyry near Highway 66. The veins assayed minimal gold but up to 25 oz/t silver. Diamond drilling reported by Savage included three holes and may correspond to the work completed by A.E. Bailey, but no assay values are known from this work.

In 1975, Noranda Exploration Limited conducted reconnaissance geological mapping in Cairo, Alma, Holmes, and Flavelle townships. Limited mineralization was noted, including gossanous metavolcanic rocks and pits with quartz-pyrite-chalcopyrite-molybdenite-sphalerite-tourmaline veins in a shear. In 1978, Minorex Limited completed line cutting, EM surveys, stripping, trenching, and 520 meters of diamond drilling (7

holes) on claims in Alma, Holmes, Cairo, and Flavelle townships. Four strong EM conductors were assessed by drilling and found to be caused by massive pyrrhotite in mafic metavolcanic flows. In 1980, Sylva Explorations Limited performed a Spontaneous Polarization survey, which provided no new insights.

In 1986, Falconbridge Limited completed a helicopter-supported airborne EM, VLF EM, and magnetic survey over portions of Holmes, Cairo, and Flavelle townships. The survey identified north-south trending magnetic lows interpreted as Matachewan-aged diabase dykes, as well as strong south-westerly trending magnetic lows originating in Holmes and Wyley Lake. In 1990, Queenston Mining Inc. conducted a VLF-EM survey, geological mapping, prospecting, and a 900-meter (7 holes) drill program. Samples collected between Wyley and Holmes Lake assayed 18.64 oz/t Au and 0.406 oz/t Au, although drilling may have stopped short of the intended targets.

Between 1990 and 1996, prospectors Denis Chartre and Roger Dufresne completed several phases of surface stripping and sampling, mostly focused on historic occurrences. In 1991, Biralger Resources conducted regional prospecting and reconnaissance mapping, revealing Temiskaming style conglomerates adjacent to Highway 66, and outlining ENE-trending deformation zones crossing the Cairo Stock, including the Holmes and Wylee Lake deformation zones. In 1996, Inmet Mining Corporation conducted a 200-meter spaced grid cutting, geological mapping, and sampling campaign in Flavelle and Cairo townships. Samples assayed up to 0.58 oz/t Au from the Allen-Coghill (now named Chartre-Dufresne) showing. Inmet also completed 49 line kilometers of IP surveys, highlighting eight IP anomalies. In 1998, Bice Ventures Corporation drilled a total of 473 meters (2 holes), but no significant assays were reported.

In 2001, as part of Operation Treasure Hunt, the Ontario Geological Survey conducted an airborne EM and cesium vapor magnetic survey over the entire property, highlighting the region's structural complexity. In 2003 and 2004, Brigadier Gold Ltd. completed line cutting, ground-based IP and magnetic surveys, and trenching on several prospects in Cairo and Flavelle townships along the southeastern contact of the Cairo Stock and the

host volcanics. Several IP and magnetic anomalies were identified, mostly trending east to west and interpreted as being associated with magnetic host rocks and deformation zones. Soil sampling across the property revealed several anomalous gold zones extending along the south shore of Holmes Lake and roughly parallel to Highway 66, north of the highway for about 500 meters east to west, centrally located to Middleton Lake. A total of 143 grab samples were collected, with assays up to 7.55 g/t Au at the Chartre-Dufresne showing and sub-gram to 2 g/t Au elsewhere in the Cairo Stock and host volcanics. A follow-up drill program of 1,451 meters (12 holes) tested seven targets, yielding significant intercepts of 1.7 g/t Au over 14.0 meters in hole CD04-11 and 1.2 g/t Au over 7.5 meters in hole CD04-12.

In 2008, Brigadier Gold completed a second, 10-hole program (1,722 meters) to expand on the intervals in CD04-11 and CD04-12, with limited success. Although exploration has continued on surrounding claims since 2008, no further exploration has occurred within the Norris West portion of the property since then.

9.2.2. Norris East

The first exploration of the eastern portion of the property was conducted by Preston Dome Mines in 1949 and 1950. They completed a local mapping campaign, followed by 179 meters of diamond drilling across three holes on a small subset of claims south of Eby W Road. The best result from this drilling was 0.1 oz/t Au over 0.15 meters in DDH #2.

In 1972 and 1974, Noranda Exploration conducted a small electromagnetic (EM) and soil sampling survey in the southwestern corner of Eby Township, but no significant results were found. In 1980, Lacana Mining conducted an EM survey in the same area, which yielded no additional insights.

Between 1985 and 1988, prospector A.H. Perron conducted prospecting, as well as VLF EM and magnetic surveys over a small subset of claims in central Eby Township. Several trenches, quartz-carbonate alterations, and shear zones were noted, but no assays were reported.

In 1984, the Gross Group conducted magnetic and VLF surveys in Gross and Flavelle townships, identifying electromagnetic (EM) anomalies likely caused by pyrite or other sulfides. In 1988, Hysoex Inc. completed magnetic and EM surveys over claims in the northeast corner of Flavelle Township, linking several EM anomalies to a 200-300-meter-thick iron formation horizon containing shearing, as well as sulfide and graphite-bearing units. In the same year, Ressources Halex conducted a helicopter-supported EM and magnetic survey over the northern half of Gross Township, highlighting several geophysical anomalies, including the Cross Lake Fault, which is occupied by the Englehart River Valley.

In 1990, geologist N. Rigas conducted additional work in Eby Township following the efforts of Preston Dome Mines, but no significant results were reported. In 1991, prospector D. McCormack conducted prospecting activities over two claim packages along the northern edge of Gross Township, identifying chert-magnetite iron formation, but with no significant assay results.

Between 2005 and 2007, minor diamond exploration was undertaken by Arctic Star Diamond Corporation and Tres-Or Resources Limited in the northeast corner of Gross Township. This work included prospecting, line cutting, a magnetic survey, and a short diamond drill program totaling 171 meters (2 DDH). However, no significant results were noted for either gold or diamond exploration. No further exploration has occurred in the broader Norris East segment of the property since that time.

From 2007 to 2019, Golden Valley Mines and its optionees conducted exploration at their Island 27 Prospect, which partially overlaps with the Norris East claims in the northeast corner of Flavelle Township and the southwest corner of Holmes Township. For a detailed exploration history of this portion of the property, please refer to AFRI 20000017002 (Rosatelli & Gallagher, 2019). While none of the drilling below is located on the current footprint of Project Norris, a summary has been compiled as the drill results have been deemed relevant to exploration at the property.

Initial prospecting and diamond drilling (two holes) by prospector M. Kilbourne in 2005 returned a best value of 0.33 g/t Au over a true width of 0.55 m in sheared gabbro from hole IS27-05-02. IP and magnetic surveys were completed over the property in 2007, 2014, and 2018, followed by three drilling campaigns: in 2008 (four holes, 500 m), from 2010 to 2011 (under option to West Kirkland Mining, six holes, 1,156 m), and in 2018 (under option to Battery Mineral Resources, twelve holes, 2,119 m), for a total of 3,744 m.

The only significant intercept reported in the 2008 drilling was 4.18% Co, 0.38% Ni, and 12.1 g/t Ag over 4.0 m from 110.0 to 114.0 m in hole GIS-08-04, located within a brittle fault zone in mineralized diorite. No assays were reported for the West Kirkland drilling; however, multiple drill holes intersected silicified andesite and syenite (quartz-feldspar porphyry) intrusives beneath the cover.

In the 2018 drilling, several 'significant' sub-meter intercepts were recorded, including anomalous Cu (<1%) and Zn (<0.3%), but no significant Au values were intercepted, with the best result being 0.381 g/t Au over 0.1 m in GIS-18-010. The entire prospect is covered by Pleistocene deposits, so only minimal surface work has been reported for assessment, including soil samples in 2017 and rock assays in 2018 by Golden Valley Mines and Battery Mineral Resources, neither yielding significant results.

The remaining work in Norris East pertains to activities at the "Lucky Irish Showing," currently held by prospector J. Rapski under option to Barrick Gold Inc. This prospect is located in the NE quadrant of Flavelle Township, south of Highway 66. In 2001 and 2002, Falconbridge Ltd. conducted magnetic and EM surveys over the area, discovering several EM and magnetic anomalies that were unable to correlate to rock exposure during subsequent prospecting. Between 2004 and 2023, prospector J. Rapski worked the property, discovering the Lucky Irish prospect in 2005 (MDI000000001397). Mr. Rapski completed a series of XRF-analyzed soil surveys (2013, 2022, 2023), prospecting, rock sampling, and trenching campaigns (2005-2007, 2008-2010, 2012–2014, 2022), and small drilling campaigns totaling 1,372 m over fifteen holes (2006-2007, 2008, 2009-2010, 2014-2015). Highlights from the drilling campaigns include:

1.34% combined lead, zinc, and copper over 9.2 m in hole MLI-01, 3.72% combined lead, zinc, and copper over 10.2 m in hole MLI-02, 1.08% combined lead, zinc, and copper over 4.3 m in hole MLI-05, and 1.44% combined lead, zinc, and copper over 7.3 m in hole MLI-08, covering an approximately 450 m strike length within the Lucky Irish Horizon of silicified chert, banded iron formation, and intermediate to felsic volcaniclastic rocks. In 2006, Dianor Resources drilled a 100.5-meter hole south of the Lucky Irish showing to assess a magnetic anomaly for kimberlites, intersecting disseminated pyrite but no kimberlites.

10.0. Geology

10.1. Bedrock Geology

The following geology description is summarized from Garcia (2023); Figure 6 presents a schematic geological stratigraphic/ cross sections of the described geology, Figure 8 presents the regional OGS Geology, and Figure 7 presents Barrick-re-interpreted and locally field-mapped and updated geology. For more information on the geology of the area, the reader is referred to the following OGS maps and accompanying reports: P3554 (Berger, 2004), M2677 (Berger et al., 2006), M2239 (Lovell, 1972), M2078 (Moore, 1966), M2110 (Lovell, 1966) and maps associated with MRD058 (Ayer et al., 2000).

The area hosting Project Norris is part of the southern Abitibi Greenstone Belt in the Superior Province of the Canadian Shield. It features dominant Neoarchean (2.8-2.5 Ga) tholeiitic, calc-alkalic, and alkalic mafic, intermediate, and felsic metavolcanic rocks, along with related subvolcanic intrusions and metasedimentary rocks. The Cadillac-Larder Lake Deformation Zone (CLLDZ), a crustal-scale structure that hosts gold deposits over several hundred kilometers of its strike length from Matachewan, ON, to Val d'Or, QC, bisects the property area from roughly east to west.

Within the property area, the dominant non-intrusive Archean rock units include the Tisdale Group volcanic assemblage, and within Norris West, slivers of Timiskaming sedimentary packages. A variety of pre-tectonic, syn-tectonic, and post-tectonic

intrusive rocks are found here, including syenites, granites, and smaller porphyry bodies of alkalic composition, such as the Cairo Lake Stock, which are synchronous with Temiskaming-age deformation around 2.7 Ga. The alkalic intrusions consist of hornblendite, alkalic gabbro, syenite, quartz syenite, and alkalic granite (Figures 7 & 8). Further southeast, the Tisdale Group overlies basement rocks composed of the dominantly granitic Round Lake batholith (2734-2743 Ma) and associated gneissic units (Ketchum et al., 2008).

The Proterozoic Huronian Supergroup, including the basal glaciogenic Gowganda Formation, unconformably overlies the Neoarchean rocks. This formation comprises polymictic conglomerate, arkose, siltstone, argillite, and wacke, varying in thickness from several meters to over four hundred meters, representing paleo-channels or fjords where glaciogenic sediments were deposited. The Huronian Supergroup rocks were deposited around 2480 to 2219 Ma, although the Gowganda Formation is at the older end of this time range. Paleoproterozoic diabase dikes, correlated with the Matachewan swarm, intrude the Neoarchean rocks but lie beneath the Huronian Supergroup. Diabase dikes from the Sudbury swarm intrude the Gowganda Formation and are found throughout the land package (Berger et al., 2006).

Rocks within the Abitibi Greenstone Belt have undergone complex deformation, around 2700 Ma, prior to Huronian Supergroup deposition. This includes early extension, thrusting, folding, and faulting, followed by subsequent upright folding and ductile shearing. These processes have created crustal-scale structures primarily oriented east-west, including the Cadillac-Larder Lake Deformation Zone. This structure features a subvertical dip with a east-northeast or west-southwest strike and is characterized elsewhere by rocks rich in chlorite, talc, and carbonate (schists, e.g., at the Kerr Addison Mine in Virginatown, ON). These rocks correlate spatially with Temiskaming-type alluvial conglomerates, indicating rapid uplift along a major structure. The presence of these conglomerates in current geological maps suggests that preservation of underlying epithermal-intrusive-orogenic gold deposits at depth is possible, increasing the prospectivity of regions where they are mapped.

Numerous CLLDZ spray faults are present throughout the property, including the Middleton, Wylee, and Holmes Lake Faults, which crosscut the Cairo Lake Stock. Some of these faults may have originated as syn-volcanic structures that were reactivated during Temiskaming-age deformation, such as the Lucky Irish Fault. Additionally, "late" or "brittle" north-south cross faults, such as the Englehart River Fault, occur across the property and commonly host Matachewan-suite diabase dykes; these may also represent reactivations of earlier, crustal-scale fault zones

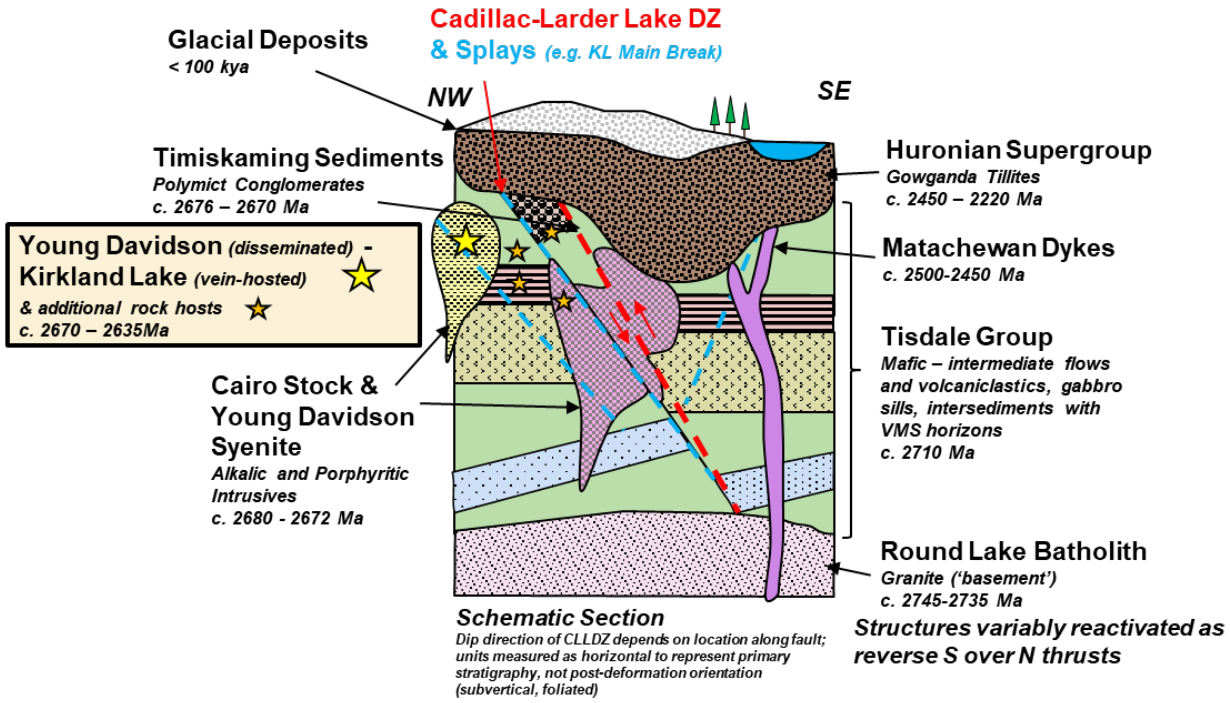


Figure 7. Schematic geology and stratigraphic cross section of the potential geology located in the vicinity of Project Norris.

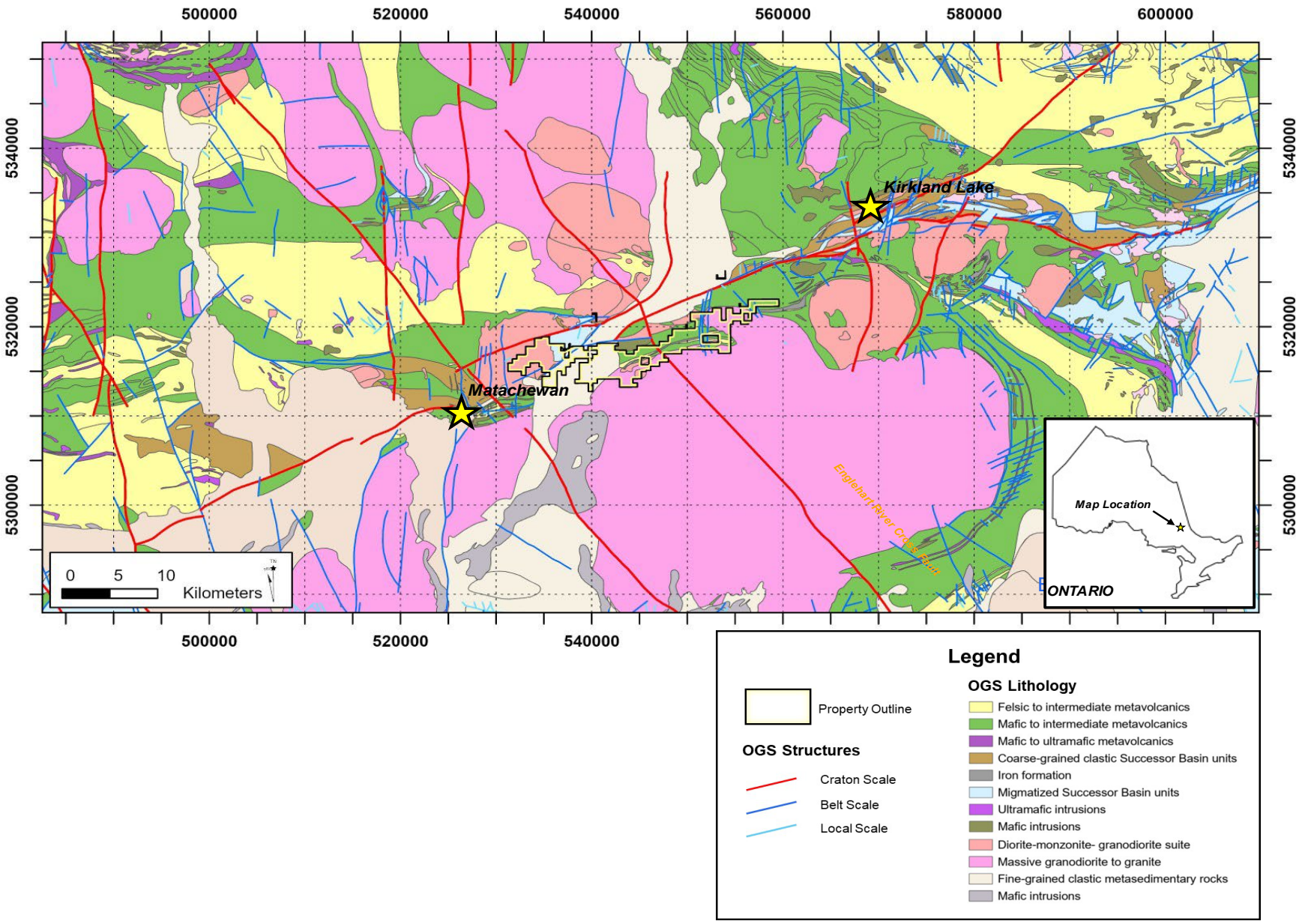


Figure 8. Regional-scale geology, Kirkland-Lake - Matachewan, ON. Geology provided by the Ontario Geological Survey.

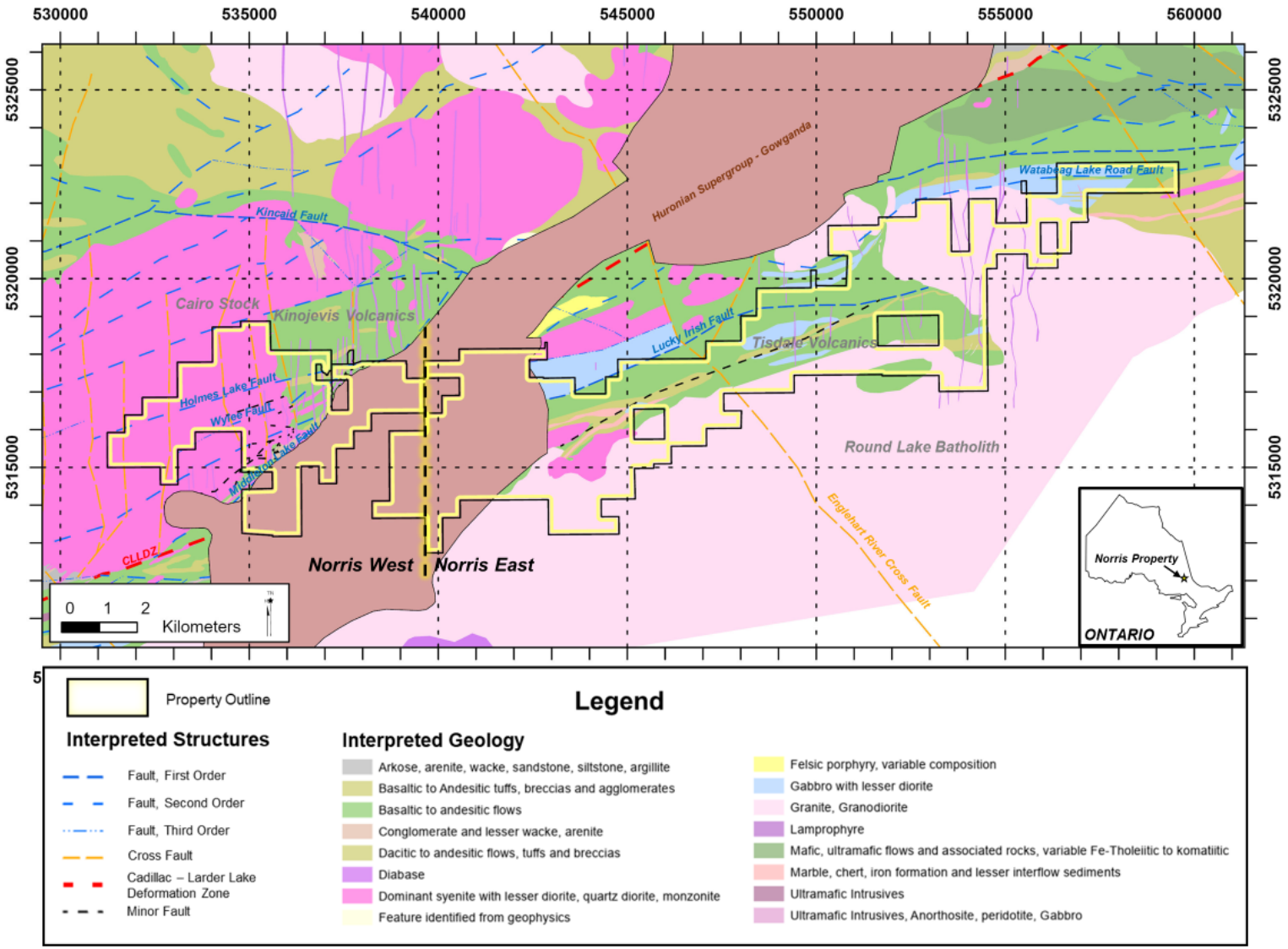


Figure 9. Interpreted Project Norris property-scale geology map. Neoarchean bedrock overlain by Huronian Supergroup rocks. Structures interpreted from government and industry geology and geophysics.

10.2. Surficial Geology

Kirkland Lake, located in northeastern Ontario, is situated within the Canadian Shield, an area with a complex glacial history, primarily shaped by the Wisconsinan glaciation, which occurred from 77,000 to 11,000 years ago. The region's landscape and surficial geology are the result of the movement and retreat of the Laurentide Ice Sheet, which covered much of northeastern Ontario. Several regional surficial geology surveys have been undertaken, but no synthesis of these has been completed. For more information, the reader is referred to OGS Maps 2649 (Baker, 2000), 2610 (Bajc and Paterson, 2000), and 5020 (Roed & Hallett, 1979) and related reports.

10.2.1. Wisconsinan Glaciation (80,000 - 11,000 years ago)

The Laurentide Ice Sheet advanced over Kirkland Lake during the Wisconsinan glaciation, with the Keewatin lobe of the ice sheet spreading from the northwest (Roed, 1979; Bajc, 1997) Early glaciation exhibited a westerly to southwesterly ice flow direction, depositing glacial till in that orientation. Over time, the ice flow shifted to a more south to southeast direction (180°-220°), redistributing the till and reshaping earlier glacial features. This movement resulted in the deposition of a mix of clay, silt, sand, and boulders, creating thick layers of unsorted material that now cover much of the project and are variable depending on underlying bedrock topography, resistivity, and regional structural lineaments. Within the project area, glacial till drift thickness varies, with shallow deposits (1-2 m) on bedrock highs and deeper drifts (over 30 m) in the valleys (Baker, 1985). The oldest unit (Pleistocene in age) is primarily a silty sand till from subglacial, supraglacial, and flow categories, deposited during early glacial advance and then reworked toward the south-southwest.

During the final stages of the glaciation, large proglacial lakes, including Lake Barlow and Lake Ojibway, formed as the ice sheet retreated. These lakes were fed by meltwater from the ice sheet, and their restricted outflow led to widespread flooding in the area. The New Liskeard, south of the project, experienced flooding from the project area (Veillette, 1994). Within the project area, local deposition of Glaciolacustrine deposits, including fine-grained varved clays and coarse-grained sediments near the glacier-lake interface were controlled by pre-existing valleys and/or structural discontinuities in the bedrock, eroding pinch points and depositing in more flat terrain. As the ice sheet continued to retreat, lower lake levels led to

wave reworking of the sediments, creating beaches and channels, such as those found in the Englehart River Valley.

Key glacial features still visible in the landscape include:

- **Drumlins:** Elongated hills formed by the ice as it advanced, often aligned in the direction of the ice flow.
- **Eskers:** Long, winding ridges formed by meltwater streams running beneath the ice sheet.
- **Kettles:** Depressions formed by the melting of ice blocks, leaving behind hollows in the landscape.
- **Moraines:** Accumulations of dirt and rock that were carried along by the advancing ice, marking the former extent of the ice sheet.

10.2.2. Isostatic Rebound and Post-glacial Landscape

After the retreat of the ice sheet, the project area experienced isostatic rebound. This process, caused by the slow rise of the Earth's crust as the weight of the ice was removed, led to changes in the flow of rivers and the development of new landforms.

The major rivers in the area, such as the Englehart and Montreal Rivers, carried melting glacial waters from further north and began to carve new paths through the unconsolidated glaciogenic and glaciofluvial deposits. This process led to the formation of valleys and gulleys. As the glacial lakes dried up, unconsolidated sediments experienced wind reworking as aeolian dunes of various forms observed within the Englehart River Valley. Finally, organic material began to grow within the area, draping all formerly deposited sediment.

11.0. Exploration Targeting

11.1. Deposit Model

Exploration at Project Norris aims to discover gold (and/or copper) mineralization of any type or age. Barrick's screening program was developed without relying on existing deposit models. However, the potential for orogenic lode-gold deposits and intrusion-related systems in the Timiskaming district and Kirkland Lake area, and their link to the Cadillac-Larder Lake Deformation Zone, is important. As a result, the focus of exploration is on features typical of these Archean deposit types, which are formed in regionally metamorphosed areas during compression and transpression (Figure 10 & 11). Due to the region's extensive cover (lack of exposed Archean bedrock), exploration often depends on interpreting glacial and surficial geology to guide the search for unexposed Archean deposits at depth.

The general idea behind applying Archean gold deposit models to the property is that the subduction of hydrated oceanic crust raises geothermal gradients, causing metamorphic fluids to migrate. These fluids carry gold from the crust, forming gold-bearing quartz stockworks at depths of about fifteen to twenty kilometers, extending toward the surface (Figure 11). Veins are usually found in mafic volcanic rocks with ankerite alteration, as seen in the Southern Abitibi (Dubé et al., 2017). Additionally, gold-bearing carbonate-quartz-hematite veins may also be found in syenite, formed by hydrothermal activity related to magmatism and metamorphism that reactivated old Neoarchean structures (Zhang et al., 2014)

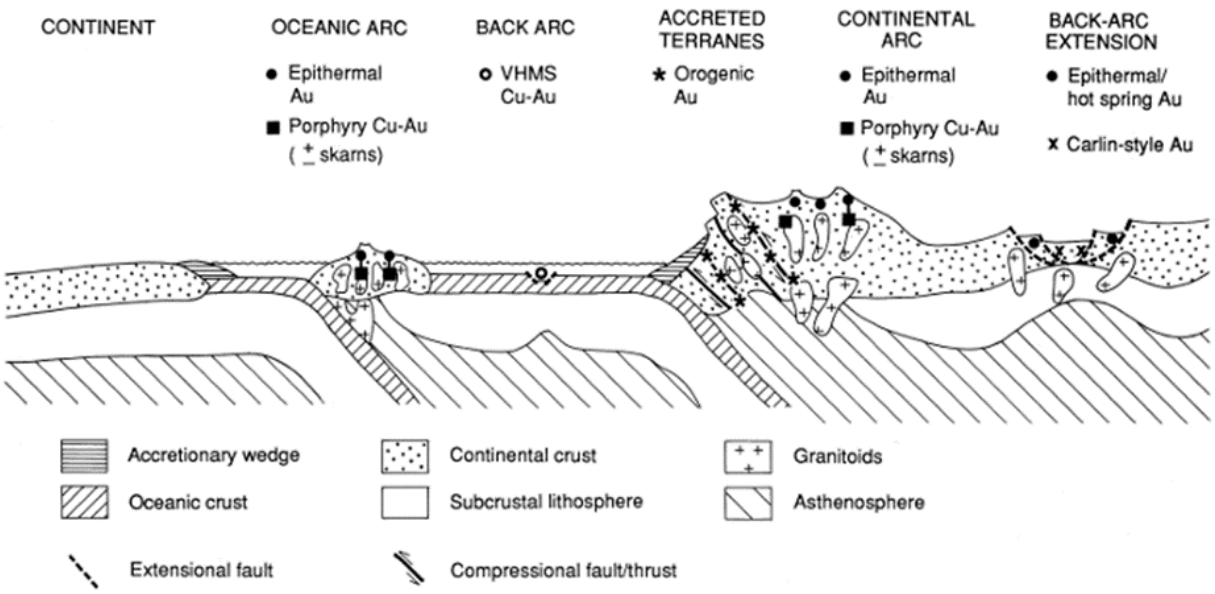


Figure 10. Tectonic settings of gold-rich epigenetic mineral deposits. Epithermal, gold-rich porphyry and skarns form at shallow depths (< 5 km) of island and continental arcs. In contrast, 'mesothermal' orogenic gold deposits occur in compressional to transpressional tectonic regimes throughout the upper crust, particularly in deformed accretionary belts adjacent to continental magmatic arcs. The lateral and vertical scales of these arcs and terranes have been exaggerated for clarity in representing the spatial position and relative depth of the gold deposits (Groves et al., 1997).

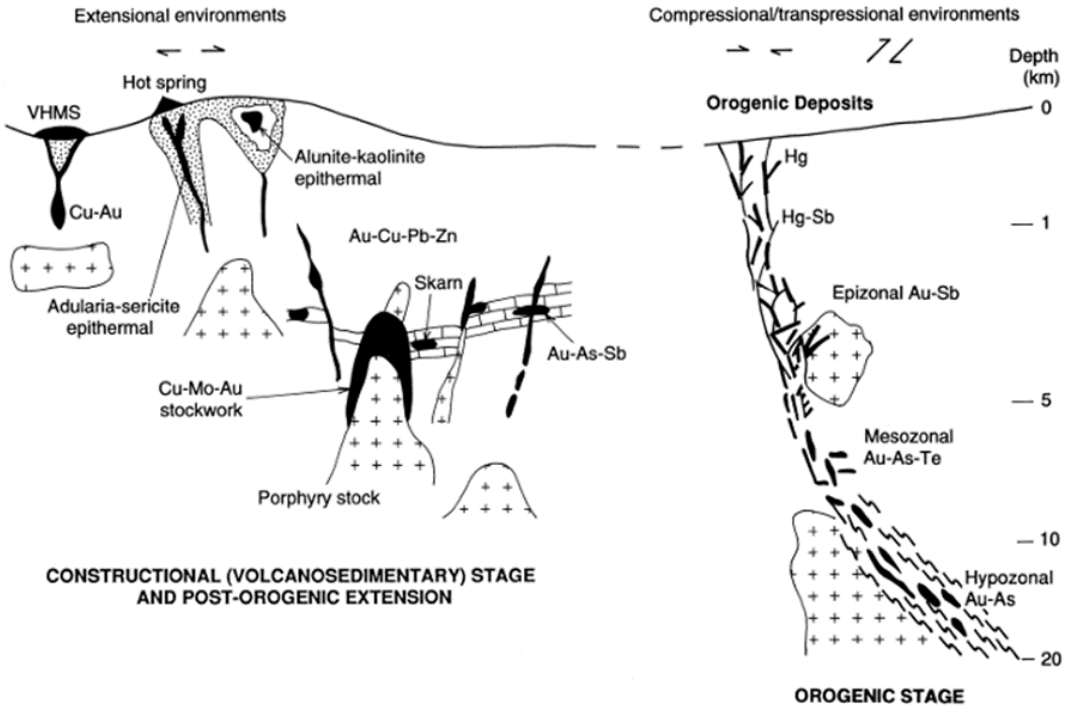


Figure 11. Schematic representation of crustal-scale extensional and transpressional environments for magmato-hydrothermal gold deposits at various depths. (Groves, Goldfarb, Gebre, Hagemann, & Robert, 1997).

11.2. Till Sampling for Gold Exploration

Till sampling is a valuable exploration technique used to discover gold deposits, particularly in regions where bedrock is covered by glacial till. This method has been utilized for decades and has led to numerous discoveries in the Abitibi region and elsewhere. It involves collecting samples of till from shallow pits and analyzing them for gold content, either by counting visible gold grains or conducting multi-element analysis of the till's fine fraction material.

The theory behind till sampling is that as glaciers move, they erode the underlying bedrock, plucking chunks of the host rock and transporting these down-ice in the direction of glacial movement (Figure 12 & 13; McClenaghan et al., 2023). When the glacier melts, the host rock—along with any contained mineralization and/or gold—is deposited within the till. Therefore, the concentration of gold in the till serves as a key indicator of the potential presence of a gold source up-ice (towards the glacial origin). Systematic sampling perpendicular to the ice flow can be used to screen for changes in gold concentrations and help vector towards a potential source.

Within the Matachewan and Peterlong Lake areas, Bajc (1996, 1997) has shown that gold concentrations drop to background levels within 500 meters of the source. Background levels (50^{th} percentile) for the area vary from 5 to 10 (visible) gold grains per 10 kg sample, with anomalous values of > 20 grains regionally; anything above this is considered significant. Additionally, multi-element analysis of till samples can help identify changes in known trace element concentrations often associated with gold deposits (e.g., Cu, Bi, Te, Ag, and S as shown in Figure 11), thereby acting as potential vectors for uncovering mineralized systems.

In summary, till sampling is an effective exploration method that helps geologists locate gold deposits in areas with glacial till cover. By analyzing the distribution of gold particles and associated geochemical elements within the till, it is possible to identify potential gold-bearing zones, even when the underlying bedrock is hidden. This technique has been particularly successful in regions with extensive glacial deposits, making it a valuable tool in the search for new gold discoveries.

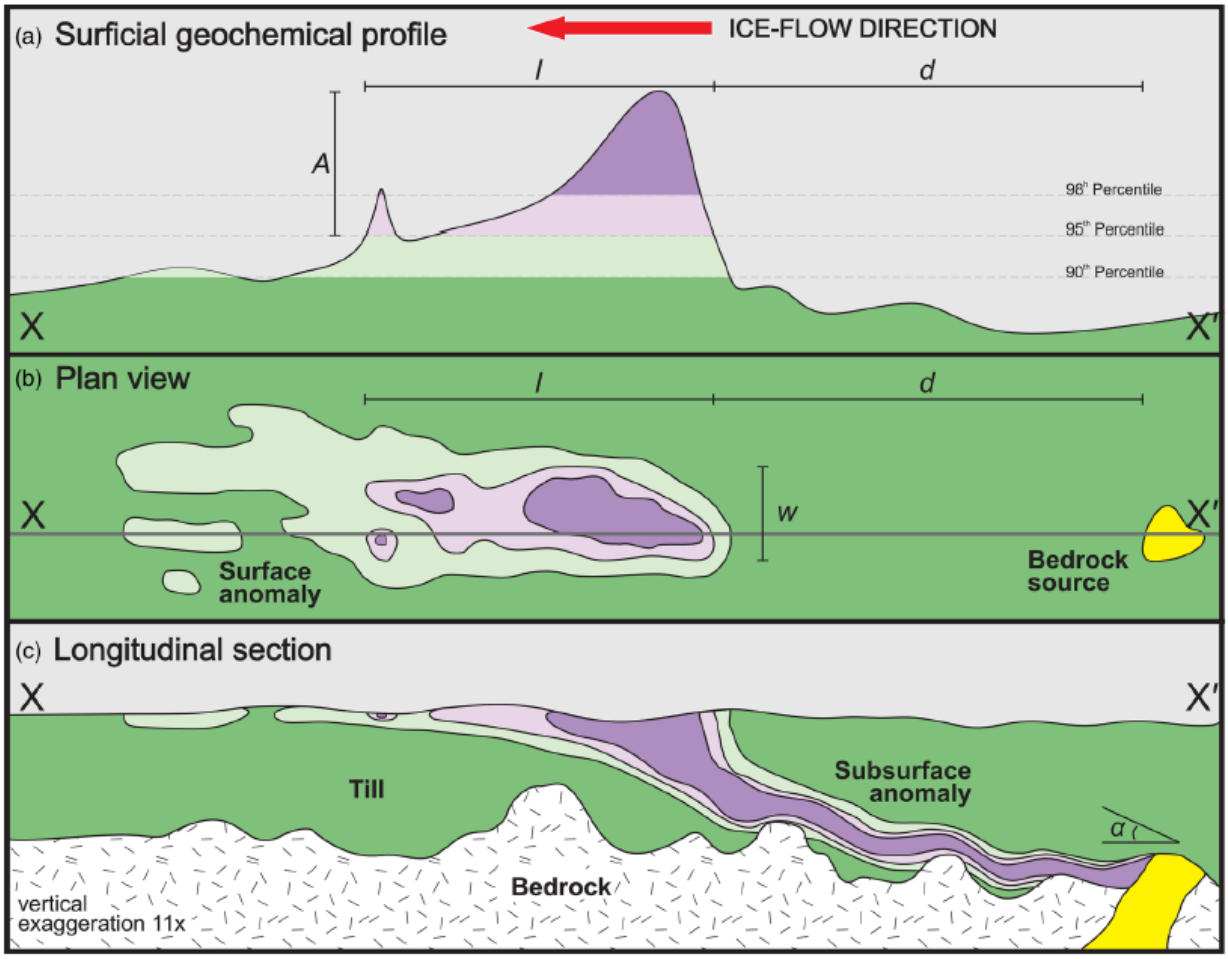


Figure 12. Idealized model of dispersal in a glacial till train. The highest concentration of metal-rich (gold) debris is derived from mineralized bedrocks (yellow) is represented by dark purple. From McLenaghan et al., 2023, after Hicken and Plouffe, 2017

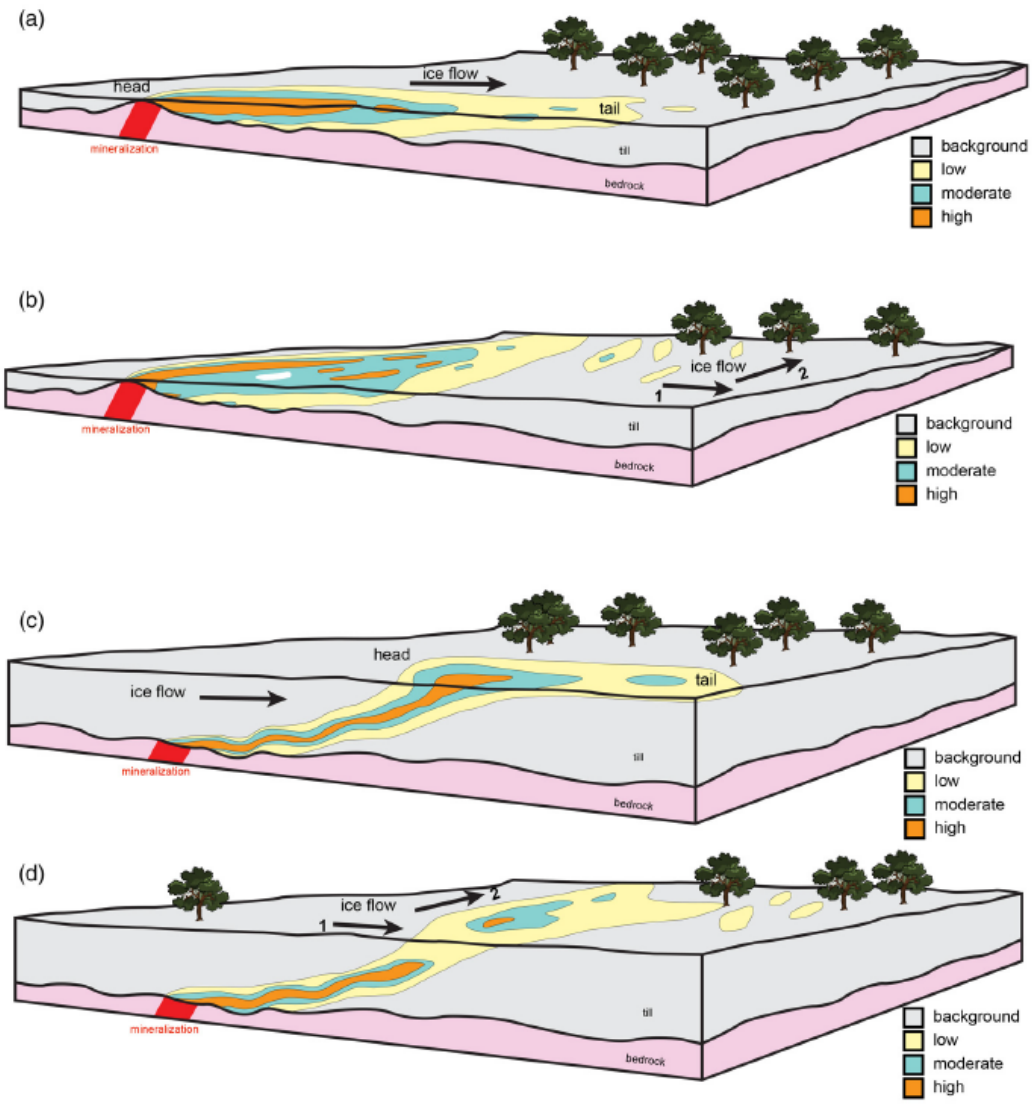


Figure 13. Conceptual models of glacial dispersal till trains formed in areas of thin and thick drift, both exposed and buried. Relative concentrations of metal-rich till are shown in the corresponding legends. (a) simple till train formed by a singular ice flow in an area of thin, exposed till cover. (b) complex train formed by two ice flows with different flow directions, in an area of thin, exposed till cover. (c) simple train formed by a singular ice flow in an area of thick till cover with burial of the source mineralization. (d) complex train formed by two ice flows with different flow directions, in an area of thick till cover with burial of the source mineralization. In (b) and (d), the dispersal train formed during the initial flows in (a) and (c) (respectively), is diluted and redeposited by subsequent ice flows events and directions. From McClenaghan et al., 2023.

12.0. Data Acquisition and Methodology

Barrick conducted two field programs plus associated activities related to primary data collection in 2024. The field programs spanned from May 14th through to May 30th, and from August 17th to 30th. Lodging for the first stint was provided by Burt Lake Lodge on Watabeag Road, and the Comfort Inn in Kirkland Lake; lodging for the second stint was at a private rental in Kirkland Lake. Both field programs involved till and rock sampling. The first program in May was partially under work agreement with Prosper Gold. Two logistical and field follow ups were completed between and October 23rd to 25th and November 18th to 20th, to organize for planned exploration activities in 2025.

12.1. Data Acquisition & Processing

12.1.1. LiDAR Data

LiDAR Data was collected by KBM Resources Group on May 16th, 2024 using a Riegl VQ-780II-S lidar scanner attached to a fixed wing aircraft flying an average of 1702 m above ground level (Appendix I). Point density was approximately 16.32 points per square meter. High resolution photography was simultaneously captured using an UltraCam Falcon Prime with a lense focal length of 100 mm and an average ground sample distance of 10 cm. The area covered by the survey was approximately 193.19 km^2. For full survey details, see Appendix I. This survey was flown to in-fill a gap in the publicly available LiDAR data present elsewhere in Ontario. Deliverables provided by KBM included a Digital Elevation Model (DEM), and a Canopy Height Model (CHM). The LiDAR survey was used to create a surficial geology interpretation for the property, and aided in planning surficial sampling within Norris West. It has also helped to identify human-made features, including historical exploration workings such as trenches and blast pits throughout the property that were revisited during the field season.

12.1.2. Surficial Geology Interpretation

The LiDAR datasets were used to create interpreted surficial geology maps for the property. Landforms were classified by the author according to their depositional mode of formation (e.g., Glacial Till, Glaciofluvial, Glaciolacustrine, Aeolian, Fluvial (recent)

and human-made features) and their associated linear and point features. Maps were then created using ArcGIS Pro 3.1.2., using similar stylistic guidelines to those used on other Barrick programs.

12.1.3. Till Sampling

12.1.3.1. Till Sample Collection

Project Norris has varying amounts of surface cover, mixed with areas of exposed bedrock. A detailed surficial geology study was done to guide sampling. It was found that the western part of the project was better suited for till sampling, to detect surface gold mineralization that might be covered by till, soil, or glacial deposits.

Till samples were collected from the Cairo Stock and Huronian cover in Norris West. The samples were taken from a 5 km x 5 km area, with sample lines spaced about 700 m apart and sampling points planned every 200 to 300 m along these lines. Sample locations were adjusted based on surficial maps. GPS was used to navigate to sample sites, with field adjustments made to ensure high-quality subglacial till was sampled.

For sampling, a Dutch auger was first used to confirm the presence of till, ideally a minimally oxidized C-horizon or a silt-dominant B-horizon with at least 5% clasts. Once confirmed, a 1m x 1m hole was dug by hand, and the material was sieved through an 8 mm sieve into a bucket. After collecting 13 kg of material, a 1 kg portion was split for multi-element analysis. Several handfuls of sieved clasts representative of the clast population were returned to the bucket to be included in the sample. The 13 kg samples were sent for analysis by Overburden Drilling Management (ODM) in Nepean, ON, while the 1 kg splits were sent for analysis at ALS Laboratories in Sudbury. Sample IDs and details like topography, rock outcrop presence, till characteristics, and depth were documented in Survey123, and ESRI program (Appendix D).

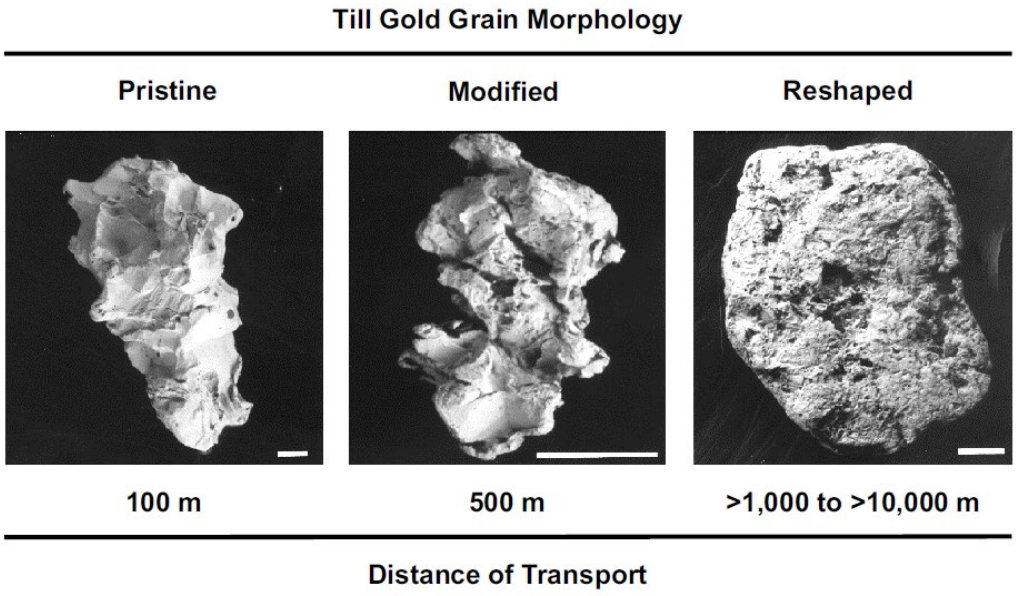
A total of 103 till samples were collected in 2024, including duplicate and QAQC samples. QAQC (blanks and standards) were included at 20 sample intervals for multi-

element analysis at ALS. Several duplicate samples were collected from the same pit for processing at ODM, with material scooped and split to ensure homogeneity.

12.1.3.2. Gold Grain Processing: ODM

The till samples processed by ODM followed the procedures outlined in Figure 15. The material was wet-screened at 2 mm, and a primary concentrate was created from the -2 mm fraction. Observations were made during both the screening and tabling stages. A portion of the analytical split from each till sample, usually 20-50 percent, was dry sieved to create a -63 µm silt + clay fraction. To obtain a reliable gold analysis, a sample weight of over 30 g was needed because gold grains are sparsely distributed in till. Sieving was done thoroughly, until no more material passed through the sieve, to ensure a representative sample. The sieving motion is similar to gravity concentrators, and tests by ODM show that heavy gold particles tended to filter down and pass through the sieve first. If sieving is completed too quickly, most of the gold will pass through, while only a small amount of lighter minerals like quartz and feldspar pass through, leading to an inaccurate, high gold value that could create a false anomaly. Gold grains in the concentrates were then separated by micro-panning, counted, measured, and classified by their level of abrasion (which indicated how far they were transported by glaciers, as shown in Figure 14). The abundance of sulfides, indicator minerals, or metallic contaminants was estimated, and the expected gold assay value was calculated. Clast types, abundances within the till are also counted.

Data was compiled by ODM and submitted to Barrick in excel format. No accompanying report was provided. Full till results can be found in Appendix J.



Backscatter electron images of gold grains from till illustrating the relationship between grain wear and distance of transport. The wear processes are compressional (infolding and compaction) and do not reduce the mass of the gold grain. Scale bars = 50 µm. Source: Averill (2001).

Figure 14. Example of classification of gold grain morphology as a function of transport distance.

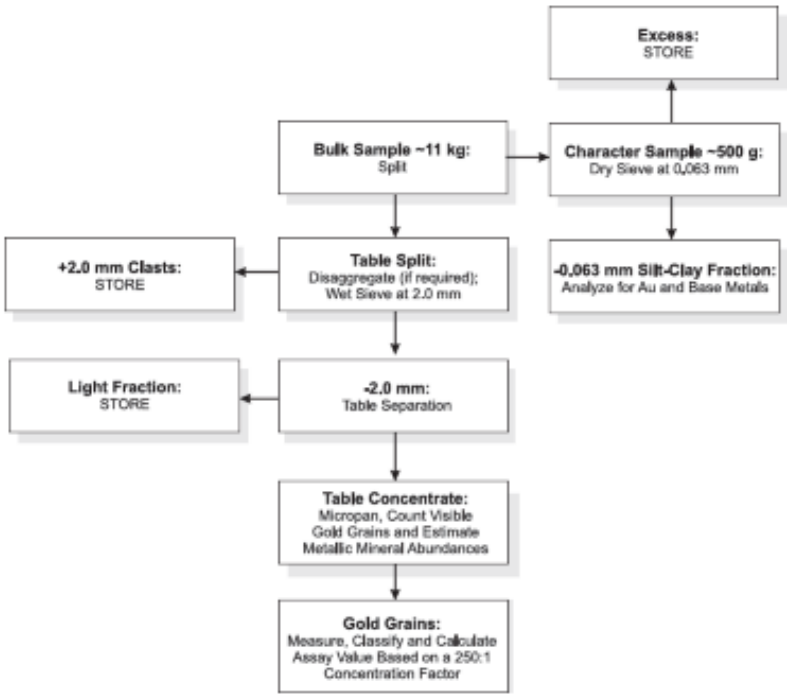


Figure 15. Flow chart of till sampling processing methodology for gold grain analysis by ODM.

12.1.4. Till Au and Multi-Element Analysis

A minimum of 1 kg of the till sample was delivered to ALS Labs in Sudbury by Barrick staff for geochemical analysis to supplement the gold grain analysis performed by ODM. Each sample was analyzed for a suite of sixty elements following procedures for ALS analysis AuME-ST44. Full description of analysis details is available through ALS Laboratories and is summarized in Table 4. Geochemical data workup was completed using ArcGIS Pro and iOGAS.

12.1.5. Prospecting & Mapping

Prospecting and mapping were conducted by Barrick geologists to gather bedrock data, including lithology, alteration, mineralization, and structural measurements. Prospecting differs from mapping in the level of detail and scope—prospecting is typically low-resolution and faster-paced, focusing on broad traverses, while mapping involves more focused, multi-parameter data collection, with or without whole-rock sampling and map products. Locations for mapping and prospecting were selected based on interpreted geology, focusing on areas with high gold mineralization potential—such as near intrusive bodies, fold hinges, shear or fault zones, and structures associated with major lithologic contacts. In Norris West, special attention was given to identifying alteration, mineralization, and structures that might lead to gold targets under the post-mineral Huronian Cover. Activities also aimed to verify and characterize historical samples, especially in areas with anomalous gold trends but limited contextual data. Mapping planning was influenced by the availability of outcrop, which was estimated using LiDAR data previously collected on the property. Data was collected by geologists in the field using tablets or smartphones running the ESRI “Field Map” application. This allowed for efficient data entry, which was synchronized to Barrick servers daily.

Appendix C contains sample descriptions for all stations and rock samples. Barrick’s sample analysis is described in Section 10.2 below. Station locations (both prospecting and till collection) are shown in Figure 16. Appendix F contains 1:5000 large-format maps with lithology stations, structures, and samples with gold values .

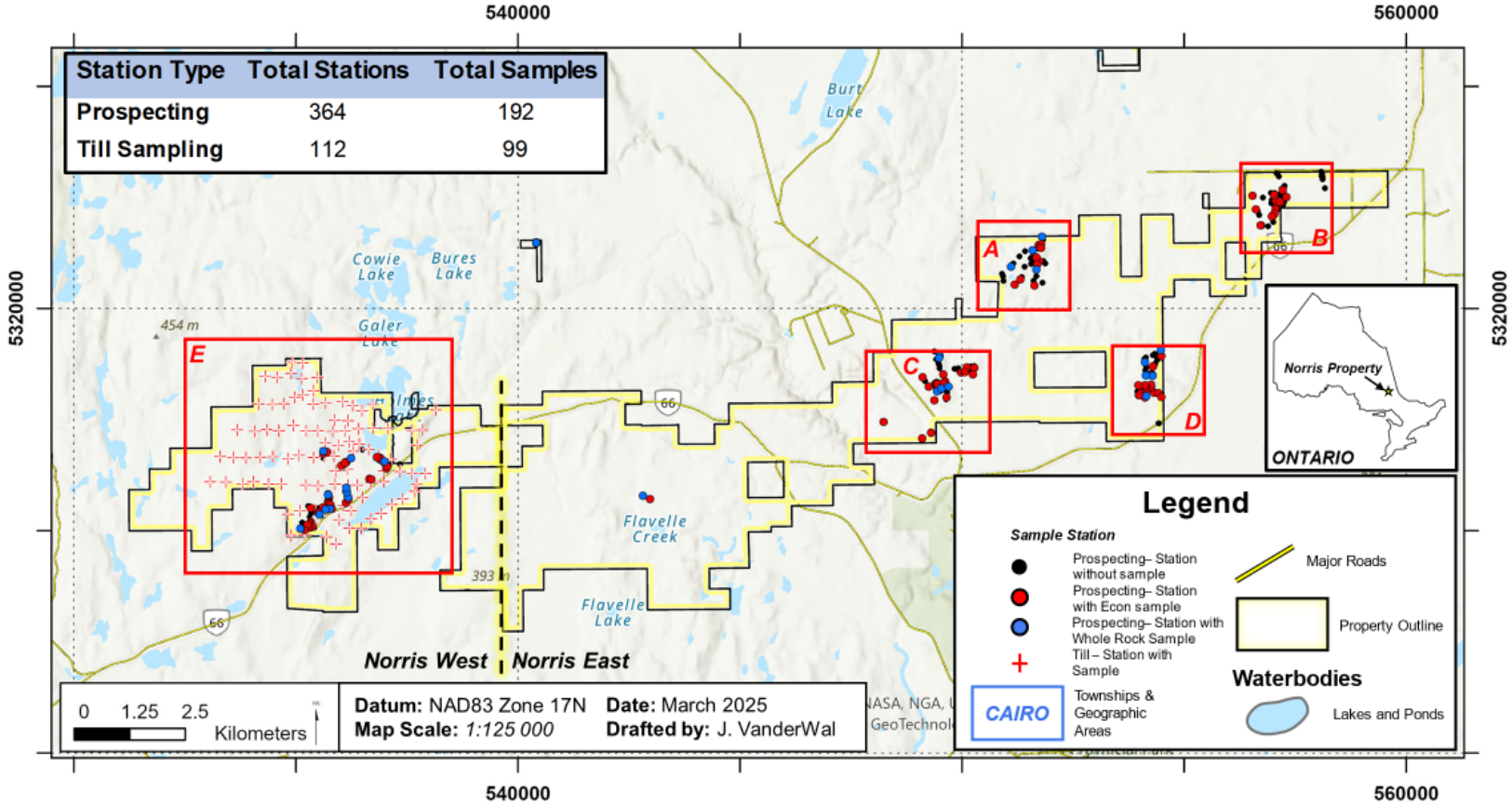


Figure 16. Station and sample locations by sample type, Project Norris. Inset boxes show different target areas in Norris East, including A. "The Squeeze", B. "Eby Road West", C. "Watabeag BIF", D. "Highway 66 Gneiss Area" and E "Norris West". further discussed in detail within the text.

12.1.6. Rock Sample Collection

12.1.6.1. Sampling Procedures

Barrick follows standardized procedures for rock sample collection, with the following key guidelines:

- Collect around 1 kg of sample material.
- Minimize contamination from dirt, vegetation, moss, etc.
- Ensure samples are representative of the target material (host rock, vein selvage, vein, mineralization, alteration, etc.). If an outcrop with veins and wall rock is found, multiple samples can be taken from the same location.
- If mineralization is found, a "high-graded" sample can be collected, but it must be noted in the comments.

For quality control (QAQC), Barrick follows these procedures:

1. Include two standards every fifty samples (pre-specified in the sample tag books).
    - See Table 3 for standard types and their approved gold values.
    - Remove the standard ID from the sample pouch.
2. Include two 1 kg coarse blanks every 50 samples
3. to prevent contamination, wear gloves, avoid jewelry, keep blanks covered, and only use one bag at a time.
4. If significant mineralization is found, add a high-grade standard and an extra coarse blank after the sample.
5. Include one field duplicate every fifty samples, usually where mineralization is present.

12.1.6.2. Rock Sample Au and Multi-Element Analysis

Samples were prepared for analysis by Barrick staff. They were placed in rice bags and grouped by PO and sample type. Barrick staff then transported the samples to either ALS facilities in Sudbury or Timmins, ON, or utilized Manitoulin Transport for sample

transport. Table 4 outlines the preparation and analytical methods used for each sample type, along with a description of the techniques. The key differences between economic and whole rock samples include: a more thorough sample fusion for total digestion of resistant minerals (not fully digested by ME-MS61e), lower detection limits for certain elements, inclusion of rare earth and high-field strength elements, and analysis of major oxides for rock characterization.

13.0. Results

13.1. Till Sampling

Till sampling had a high rate of success across the planned survey area, with 99 samples of basal till found throughout Norris West. Over the Cairo Stock, the till-bedrock interface could be observed at the bottom of the hole, suggesting a true basal till. However, in the south, over the Huronian Cover, and east of the stock in the volcanic rocks, the till was interpreted to be much thicker (greater than several meters), such that a true basal till recognition cannot be made with certainty. Most samples were oxidized, but the composition and texture generally indicated C-horizon till rather than B-horizon material or organics. Oxidation was not a big concern as native Au does not oxidize. However, it should be noted that few sulfide grains were recovered from the samples, which is consistent with them being variably oxidized.

Results are presented in Figure 18 as proportional chart symbols because this can simultaneously describe total gold grains and relative abundance of pristine, modified, and reshaped grains. All gold grain count samples are normalized to 10 kg using the table feed weight. In this figure, the pie chart size is proportional to the total normalized gold grains. Figure 19 contains multi-element gold analyses as percentile values. Table 5 summarizes gold grain statistics. Table 6 contains summarized multi-element analyses for Au, Ag, Cu, Pb, Zn, and correlation factors for common tracer elements found in several styles of gold bearing systems (e.g., intrusion related, orogenic, volcanogenic massive sulfide or VMS) are presented in Table 7. Appendix F contains large format maps of sampling locations, Appendix I & K contains full ODM results and Appendix E contains lab certificates for multi-element analyses on the 1 kg till splits.

Table 3. Reference (QAQC) materials used in 2024 rock and till sampling campaigns.

Standard ID	Sample type	Purpose	Matrix	Au Fire Assay (ppm)
OREAS 234	Rock	Economic	gold ore and barren greenstone blend	1.2
OREAS 236	Rock	Economic	gold ore and barren greenstone blend	1.85
OREAS 238b	Rock	Economic	gold ore and barren metasediments blend	3.08
OREAS 240	Rock	Economic	gold ore and barren greenstone blend	5.51
OREAS 20a	Rock	Whole Rock	barren I-Type hornblende bearing granodiorite	< 3 (ppb)
Black Granite	Rock	Economic & Whole Rock	Amphibolite sourced from aggregate supplier *(internally chosen for blank usage but not officially certified with a Au value)*	Blank
OREAS 21f	Till	SiO2 Blank	Iron oxide quartz sand	< 1 (ppb)
OREAS 47	Till	Till/Soil	till	44.3 (ppb)
OREAS 261	Till	Till/Soil	Carlin: Au oxide from mudstone	48.6 (ppb)

Table 4. Summary of analytical techniques and laboratory codes for both Till and Rock analysis at ALS Laboratories.

Method Code	Description	Application in this Report
SCR-44-63	Till preparation whereby samples are dried at low temperatures (< 60°C) and then sieved to less than 63 microns	Till & Soil
Au-ST43	Super trace analysis designed for soil and till analysis. Au by aqua regia extraction with ICP-MS finish using a 50 g sample and providing detection as low as 0.1 ppb	Till & Soil
ME-MS61m	Multi-Element Ultra Trace method ideal for exploration in soils or sediments, not appropriate for mineralized samples. A four-acid digest is performed on 0.25g of sample to quantitatively dissolve most geological materials. Analysis via ICP-MS + ICP-AES	Soil, Till & Rock ("economic"/"ECON")
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	Rock
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	Rock & Core
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	Rock & Core
Au-AA13	Gold by cyanide leach with ICP-AAS finish. Used to establish extraction efficiency of precious metals such as gold and silver due to the impact of sulfide species such as chalcopyrite or arsenopyrite. Used on subset of Pic historical core from Wire Lake with As >10000 ppm	Rock & Core
Au-AA23	Gold by fire assay with ICP-AAS finish, designed for "ore-grade"	Rock & Core
BAR-CCP	Composite analysis package detailed below	Wholerock
- ME-MS81	Elements by lithium borate fusion and ICP-MS. For quantitative results of all elements, including those encapsulated in resistive minerals.	Wholerock
- 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 fusion may be substituted to obtain better results	Wholerock
- OA-GRA05	Loss on Ignition at 1000°C	Wholerock
- TOT-ICP06	ME-ICP06 Totals including the OA-GRA05 LOI	Wholerock
- ME-MS61m	as above	Wholerock & Economic
- Hg-MS42	Trace mercury analysis by aqua regia digest and ICPMS finish	Wholerock
- IR08	Total Sulfur by Leco Furnace and Infrared Spectroscopy	Wholerock
- IR07	Total Carbon by Leco furnace	Wholerock

In general, pristine gold grains signify minimal modification and are typically assumed to have been transported minimally from their source, whereas more modified grains result from longer transport distances. However, the speciation and host of gold in the system (e.g., free-gold versus sulfide-hosted, and Au-Ag alloys) can complicate this, where the increased quantity of silver causes gold to be more resistive to abrasion. Regional understandings of gold in till suggest a transport distances < 500 m from source (Bajc, 1997).

The gold grain counts in the till samples ranged from 0 to 118, with thirty-five samples (36%) considered anomalous and fourteen samples (15%) classified as significant based on comparisons to regional background data (Bajc, 1997). The dominant gold grain populations in the samples were found to be modified or reshaped. Gold concentrations varied from below detection to 29.8 ppb, with an average of 6 ppb.

There is low correlation (> 0.2 spearman's correlation) between gold and other elements, including arsenic (As), antimony (Sb), tellurium (Te), bismuth (Bi), tungsten (W), molybdenum (Mo), copper (Cu), and lead (Pb). Notably, there is no correlation between gold and silver. A strong correlation (> 0.75) was observed between the following elements: As, Sb, Te ± W, Ag, Mo, Pb, Zn, and Bi ± Pb.

Table 5. Gold grain summary statistics of 2024 till samples for ODM samples (n=95).

Till - Gold Grain Count Data	Sample Weight (Table Feed - kg)	Pristine	Modified	Reshaped	Total
Average	8.0	3.6	2.5	7.7	13.8
Median	8.0	1.5	1.5	5.3	10.6
Standard Deviation	1.4	10.8	3.6	7.6	16.8
Minimum	5.4	0.0	0.0	0.0	0.0
Maximum	16.3	98.5	19.7	40.9	118.2
Count	95	95	95	95	95
** Values are normalized to 10 kg using table feed weight*					

Table 6. Multi-element analysis for 2024 till samples (n=99 includes duplicates).

Till - Multi-element data *(select elements)*	Au (ppb)	Ag (ppm)	As (ppm)	Sb (ppm)	Te (ppm)	Bi (ppm)	W (ppm)	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
Average	6.027	0.073	1.429	0.045	0.017	0.120	0.109	0.622	14.552	7.644	18.940
Median	3.400	0.051	1.170	0.035	0.011	0.098	0.092	0.466	12.350	6.490	16.200
Standard Deviation	6.225	0.097	0.821	0.028	0.021	0.066	0.055	0.543	10.267	4.245	9.872
Minimum	1.000	0.007	0.360	0.017	0.004	0.048	0.037	0.128	3.670	3.640	7.400
Maximum	29.800	0.847	5.200	0.185	0.148	0.397	0.343	3.370	72.800	32.600	58.500
Count	99	99	99	99	99	99	99	99	99	99	99

Table 7. Spearman r-correlation matrix for Au and trace elements by lithology for analyzed 2024 till samples.

Spearman Correlation	Ag (ppm)	As (ppm)	Sb (ppm)	Te (ppm)	Bi (ppm)	W (ppm)	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
Au (ppm)	-0.06	0.30	0.34	0.28	0.21	0.32	0.21	0.39	0.25	0.05
Ag (ppm)		0.57	0.54	0.54	0.45	0.33	0.49	-0.03	0.44	0.43
As (ppm)	0.57		0.84	0.85	0.50	0.72	0.56	0.42	0.51	0.55
Sb (ppm)	0.54	0.84		0.85	0.56	0.63	0.65	0.38	0.58	0.57
Te (ppm)	0.54	0.85	0.85		0.55	0.67	0.59	0.38	0.52	0.59
Bi (ppm)	0.45	0.50	0.56	0.55		0.43	0.65	0.30	0.79	0.38
W (ppm)	0.33	0.72	0.63	0.67	0.43		0.33	0.46	0.39	0.41
Mo (ppm)	0.49	0.56	0.65	0.59	0.65	0.33		0.43	0.63	0.39
Cu (ppm)	-0.03	0.42	0.38	0.38	0.30	0.46	0.43		0.26	0.39
Pb (ppm)	0.44	0.51	0.58	0.52	0.79	0.39	0.63	0.26		0.34
Zn (ppm)	0.43	0.55	0.57	0.59	0.38	0.41	0.39	0.39	0.34	

13.2. Prospecting, Mapping & Bedrock Sampling

Prospecting and mapping in the program in 2024 led to the creation of 364 mapping stations, collection of 191 grab samples and 217 structural measurements across the property. Table 4. shows select multi-element analysis correlations for these grab samples, binned by general rock type. Results are also presented in Figure 17a and 17b as rock type with labelled gold values. Appendix C contains sample descriptions and summarized assays, and Appendix E contains ALS lab certificates.

Table 8. Spearman r-correlation matrix for Au (ppm, fire assay) and trace elements by lithology for analyzed 2024 rock samples.

Spearman Correlation	Plutonic	Sedimentary	Volcanic	Volcaniclastic	Vein	All Rock Types
	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)
Ag (ppm)	0.556	0.905	0.612	0.107	0.719	0.627
Cu (ppm)	0.242	0.816	0.375	-0.125	0.511	0.361
Bi (ppm)	0.691	0.820	0.570	0.252	0.771	0.676
Mo (ppm)	0.641	0.821	0.432	0.289	0.476	0.473
Sb (ppm)	0.794	0.806	0.694	0.718	0.766	0.786
Se (ppm)	0.075	0.558	0.276	-0.123	0.462	0.216
Te (ppm)	0.349	0.760	0.384	0.120	0.772	0.490
Zn (ppm)	-0.101	0.343	0.136	-0.181	0.589	0.089
W (ppm)	0.699	0.795	0.690	0.624	0.738	0.733
As (ppm)	0.821	0.854	0.604	0.512	0.741	0.746
Pb (ppm)	0.533	0.696	0.610	0.507	0.800	0.679

At the project scale, according to the Spearman r-correlation matrix (Table 8), Au in the property is associated with Sb, As, W, Pb, Bi, Mo and Ag. If discriminated by lithology, Au in plutonic rocks is associated with Sb, As, W and Bi and in volcanic rocks with Sb, W, Ag, As and Pb. In sedimentary rocks, of which there are few on the property and include both Timiskaming Sediments and interflow sediments, Au shows strong correlations with Ag, Cu, Bi, Mo, Sb, Te, W, As and Pb. In veined samples, Au correlates with Ag, Bi, Sb, Te, W, As and Pb.

13.2.1. Norris West

In Norris West, one week was spent prospecting and mapping the Cairo Stock and its southern and eastern margins in the host volcanics (Figure 17a). The goal was to assess the potential for alteration and mineralization related to structural splays and deformation zones in the footwall of the Cadillac-Larder Lake Deformation Zone, which cuts through the host rocks. Focus was placed on sampling both mineralized and unmineralized phases of the intrusion for geochemical analysis, as well as sampling the area between the stock and the Huronian cover rocks along Highway 66. Historic prospects, such as the Chartre-Dufresne gold showing and the Moose Hunt veins, were also visited to better understand known mineralization in the area.

Several significant gold values were collected in Norris West, with the highest gold concentrations found in the Chartre-Dufresne gold showing, up to 4.71 g/t Au (Figure 17a). Other anomalous to multi-gram gold samples were collected along the southern and eastern margins of the stock within silicified and sericite altered basalts and high strain Timiskaming conglomerates. A full discussion of the geological findings for Norris West, including select samples of interest is provided in Section 12.3.2.

13.2.2. Norris East

In Norris East, about two weeks were spent prospecting and mapping in four areas (Figure 17b):

1. Eby West Area
2. Watabeag BIF
3. The "Squeeze"
4. Highway 66 Area

The goal of the fieldwork in Norris East was to assess the potential for alteration and mineralization in the Tisdale Volcanics and associated splay structures south of the Cadillac-Larder Lake Break. The focus was on understanding the potential for base metal mineralization like the Lucky Irish Showing, identifying chemically favorable rocks

that might enhance gold mineralization, and mapping areas where volcanic rocks interacting with more resistant intrusions may have localized or enhanced fluid flow.

While geological indications of these regimes were found, no significant gold or base metal values were obtained. The highest gold and copper values were found in a sub-meter sheared and/or laminated quartz-carbonate-epidote vein with pyrite, chalcopyrite, and galena in the Eby West Road Area. A full discussion of the geological findings for each area can be found in Section 12.3.3.

Work in Norris East was completed before the earn-in agreement with Mr. J. Rapski was signed on July 2, 2024, so large areas of Norris East still require follow-up.

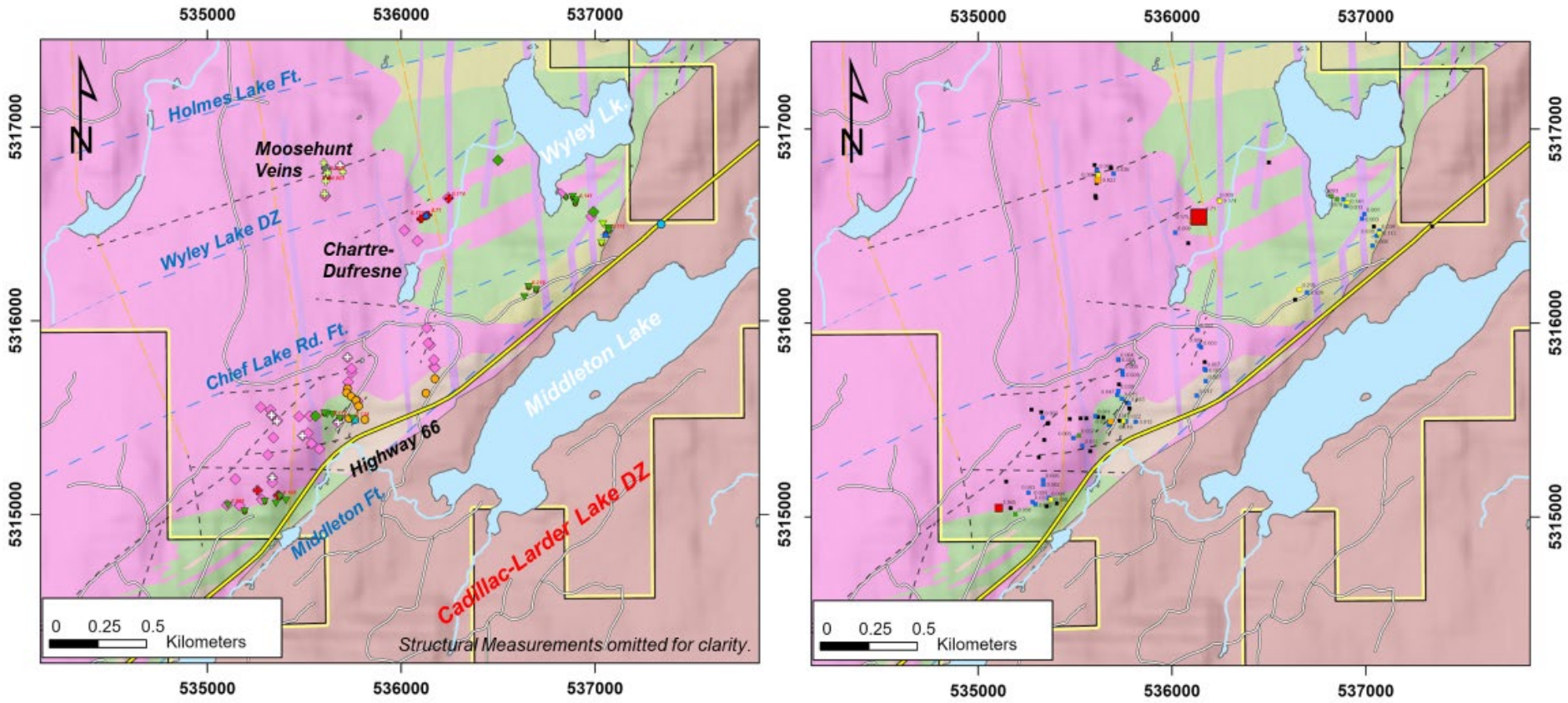
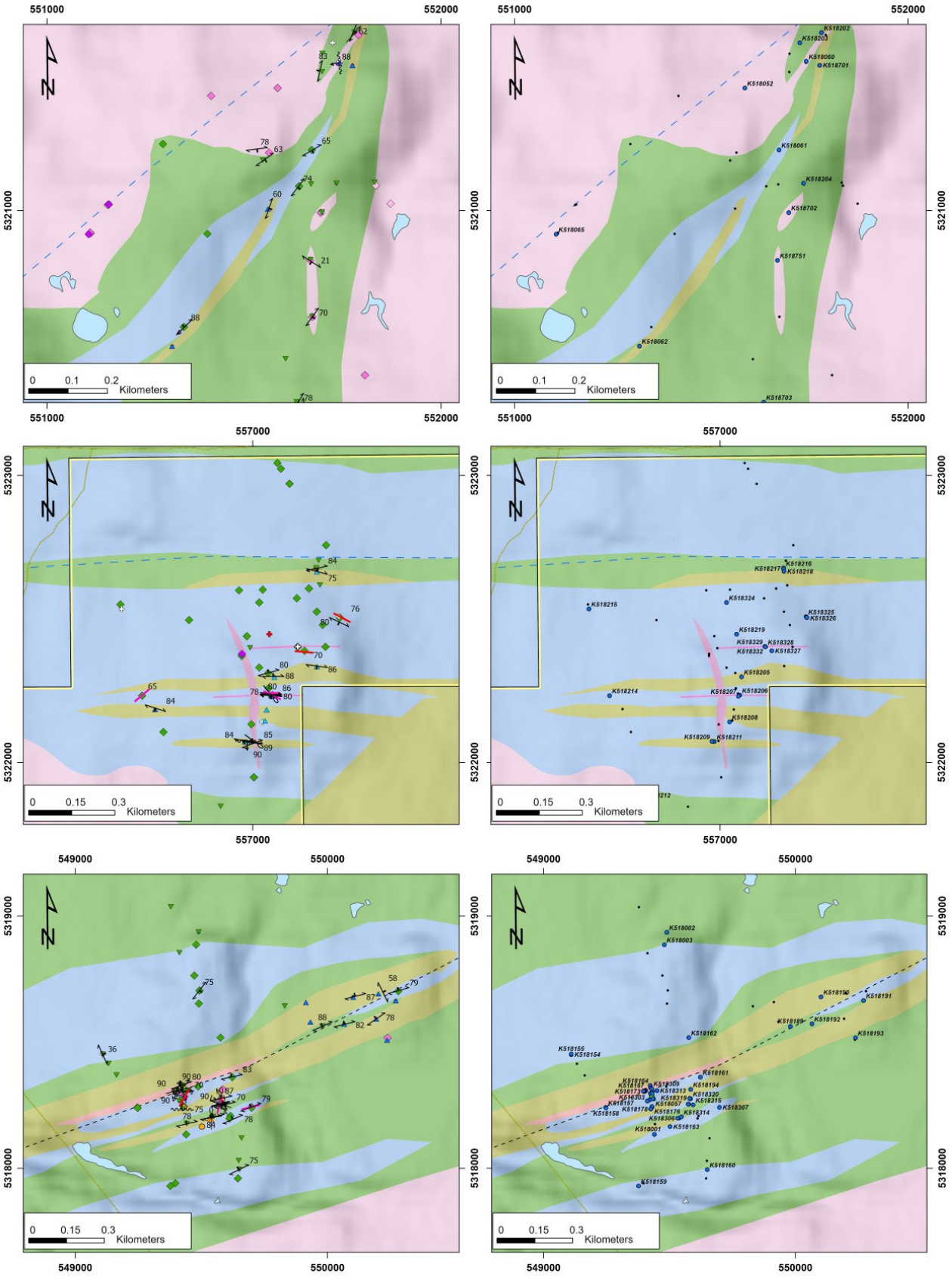


Figure 17a. Norris West 2024 sampling campaign. Left: Sample lithology map showing grab samples classified by rock type, with gold values above 0.1 g/t Au labelled. Right: All gold values for collected samples. For Legend, see Figure 17b. For sample ID's with reference to claims, see Appendix F.


551000
552000
5321000
0 0.1 0.2 Kilometers
K518202
K518203
K518060
K518701
K518052
K518061
K518204
K518702
K518065
K518751
K518062
K518703
557000
5323000
5322000
0 0.15 0.3 Kilometers
K518216
K518217
K518218
K518215
K518324
K518325
K518326
K518219
K518329
K518328
K518332
K518327
K518205
K518214
K518207
K518206
K518208
K518209
K518211
549000
550000
5319000
5318000
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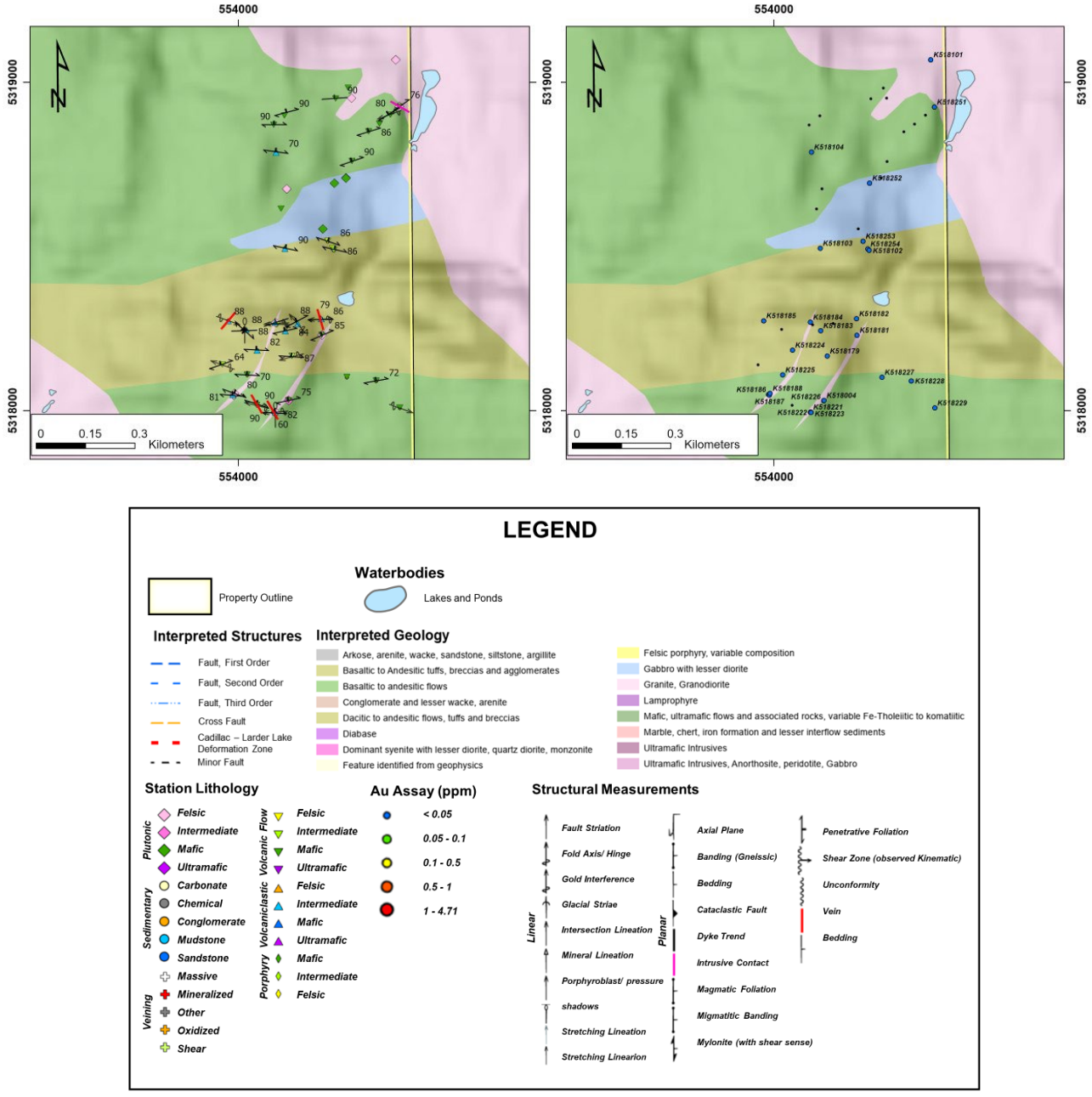


Figure 17b. Norris East mapping areas, 2024. From top to bottom: The Squeeze, Eby Road West, Watabeag BIF, Highway 66 Gneiss Area. For sample ID's with reference to claims, see Appendix F.

14.0. Interpretations

14.1. Surficial Geology Interpretation

14.1.1. Summary

The property contains various glacial features visible in the LiDAR data, including glacial and post-glacial sediment deposits. These include widespread glacial till, glaciofluvial deposits, glaciolacustrine sediments, wind-reworked material, fluvial erosional features, and human-made structures. Glacial till is common in both the western and eastern parts of the property, with features like flutes, crags, and tails showing evidence of glacial movement. The eastern area has thinner, localized till deposits near exposed bedrock, while the western area has a mix of both thin and thick till deposits. Glaciofluvial features like eskers and moraines are found locally but are not dominant. In the southeast and east, glaciolacustrine sediments create a large flat area, which has been wind-reworked into sand dunes near the Englehart River Valley. The Englehart River is the main fluvial feature, meandering through the property and indicating a long-lived river valley shaped by glacial activity.

14.1.2. Glacial Till Features

Till is the most common glacial deposit on the property, found in both the western and eastern areas. It consists of sediment scoured from bedrock as the glacier advances, transported by the ice, and deposited in depressions or during glacial melt. Till is typically unsorted by water. Common features of glacial advance, such as flutes, crag-and-tail formations, and drumlins, are oriented parallel to the direction of the ice. The till is divided into two types: "till veneer" (shallow till, less than a few meters thick, with some exposed bedrock) and "till blanket" (deeper till deposits).

In the western part of the property, especially in the Cairo Stock, features of glacial advance and till deposition are clear. Thin till layers, or "till veneer," cover low, flat granitic bedrock, and are marked by large glacial flutes aligned at 160-170 degrees, stretching from hundreds of meters to several kilometers. These flutes often form in areas with irregular surfaces, from shallow or exposed bedrock, suggesting they are

long tails from small crag features. These patterns are like those observed further northeast and match historic glacial striae measurements. In the Huronian sedimentary rocks, flutes are less common but still present. More often, features like drumlin-like formations, crags, and roche moutonnée are found. The lee sides of ice-flow parallel features typically face south, consistent with the main and secondary ice flows. Features oriented west of south may be influenced by the area's dominant E-W to NE-SW structural lineaments.

In the eastern part of the property, till is thinner and more localized, often as a veneer over bedrock or in depressions between outcrops, appearing as jagged, irregular features in the LiDAR data. While till is not dominant here, two orientations of glacial features are observed. Exposed bedrock and areas with little till show a regional 160-170 degree orientation, indicating strong interaction with the main glacier advance. In areas with more preserved till, flutes and tails are oriented between 180 and 200 degrees, mostly at 190 degrees south. This suggests that while major scouring occurred during the main glacier advance, till deposition was influenced by later, smaller glacial advances, possibly shaped by local bedrock features. Although an earlier glacial event is not ruled out, the preservation of these features at a large scale points to a later glacial event forming the land features observed today.

14.1.3. Glaciofluvial Features

Glaciofluvial features are formed by the erosion and deposition of sediments from glacial meltwater. The most common features on the property are eskers and moraines. Eskers are formed when sediments are deposited by streams under or next to melting glaciers. Several eskers are found on the property, including the Watabeag Esker, which stretches over 3 km northeast of Watabeag Road, as well as smaller eskers that may have been reworked by later glaciolacustrine or wind-driven deposits.

Moraines are sediment deposits formed along or at the edge of glaciers. Lateral moraines form along the sides of glaciers, while terminal moraines form at the glacier’s edge. De Geers Moraines often form where glaciers repeatedly advance and retreat

along the edge of glacial lakes. Most of the glaciofluvial features seen in the LiDAR are eskers, with some lateral and de Geers moraines found in the southwestern part of the property, influenced by glacial recession into paleo-valleys of Huronian rock.

14.1.4. Glaciolacustrine Features

Most of the area southeast and east of Middleton Lake is covered by glaciolacustrine sediments, which were deposited by meltwater from retreating glaciers into glacial lakes. These deposits typically form a flat, featureless plain, sometimes over low, bumpy outcrops or till exposures.

East of Watabeag Road, several ridges are observed, which may look like beaches. However, Baker suggests these are part of a large Gilbert-type delta, which is linked to the southeastern end of the Watabeag Esker. These deposits could be a mix of glaciofluvial and glaciolacustrine, formed at the boundary of both environments.

Many glaciolacustrine areas are now covered by organic material, so the extent of these deposits on the map, especially in bedrock-dominated highlands, may be overestimated and could include till. Baker estimates that the clay varves along the Englehart River north of Highway 66 were deposited in a minimum water depth of 45 meters, with no till underneath, offering insight into the thickness of glaciolacustrine sediments in the center of the project.

14.1.5. Aeolian Features

Several large areas of aeolian reworked material are seen in the LiDAR data, especially near the Englehart River valley and within glaciolacustrine deposits. The dunes mostly have parabolic and longitudinal shapes, with some being transverse. Most are crescent-shaped, with the lee sides facing east-southeast. The wind direction is interpreted to be between 110 and 130 degrees. The dunes are 100 to 400 meters long and 100 to 300 meters wide, though one dune along Highway 66 is much larger, measuring 1.5 kilometers long and one kilometer wide. Some of these dunes may be reworked eskers, as their orientation matches that of local eskers.

14.1.6. Fluvial Features

The latest features identified in the LiDAR data are fluvial features, which formed as the levels of Lakes Barlow and Ojibway fell, and isostatic rebound occurred. During this time, river valleys, still carrying glacial meltwaters, eroded and redeposited sediments in the area. The shape of these features is often influenced by the underlying bedrock topography or structural lineaments. The main fluvial features on the property include rivers, streams, beaches, sandbars, gullies, and oxbow lakes. These features are most prominent in glaciolacustrine sediments but can also affect and/or erode other glaciogenic deposits.

The most notable fluvial feature in the area is the Englehart River, which runs north-south through the center of the property. The river meanders, with both straight and curved sections, and has several oxbow lakes near Highway 66. It cuts through a large area of glaciolacustrine sediments, with a floodplain ranging from 300 to 700 meters wide. The presence of river terraces up to one kilometer wide indicates a long and active river valley. Erosion in the river valley is about thirty meters deep, with many steep gullies feeding into it.

14.1.7. Human-Made Features

The LiDAR data was utilized to identify human-made features of interest throughout the property, particularly focusing on old exploration workings. In total, thirty-five pits and seventy-two strippings and/or trenches (used synonymously) were recorded. LiDAR proved particularly useful for identifying exploration workings that lacked modern coordinate data, such as those completed before the advent of portable GPS. Additionally, the LiDAR revealed 175 old trails and logging roads not recorded in provincial databases, which may be valuable for future exploration activities.

14.2. Norris West Till Sampling Interpretation

The 2024 till sampling campaign at Norris West involved the collection of 99 till samples, of which ninety-seven were submitted for gold grain counting. The objective of

this campaign was to identify potential mineralization sourced from within the Cairo Stock or its margins and to use the results for future targeting or drilling.

14.2.1. LiDAR Interpretation

The dominant glacial flow direction across the sampling area, as indicated by LiDAR data and field measurements of glacial striations, suggests a southerly to south-south-easterly movement. However, lithological identification of clasts by both ODM and spot checks by Barrick reveal the presence of 20-30 percent of mafic or volcanic and sedimentary clasts in the core of the survey area, which is situated over the Cairo Stock. Given the extent of the Cairo Stock, which spans over 5 km to the west and north of the survey area, the presence of these volcanic clasts suggests that there was an earlier westerly transport direction. This aligns with the earliest glacial movements observed in the Abitibi region, extending from Timmins to Rouyn-Noranda, where westerly glacial flow dominated.

The secondary glacial movement in the south-south-easterly direction is interpreted to be dominant in terms of transport distance and likely played a significant role in reworking earlier transport features. This reworking must be considered when interpreting till data and targeting potential gold and mineralized sources "up-ice" based solely on the dominant LiDAR features, as it introduces potential misinterpretations of dispersion patterns.

The thin till cover in the survey area may indicate that the westerly transport deposited limited till directly over the bedrock, or that the southerly movement primarily reworked and removed earlier till deposits, as well as scouring bedrock. Despite this, the presence of variable but not insignificant volcanic clasts within samples across the survey suggests that a significant component of this earlier westerly transport is still present in the region.

14.2.2. Gold Grain counting and Multi-Element Analysis

Till preservation was extensive in the Norris West Survey area, resulting in the collection of 99 samples (including duplicates), of which thirty-five samples (36 %) were

considered anomalous, and fourteen samples (15 %) were classified as significantly anomalous (Bajc, 1997). However, gold values from fire assay were not notably high, with a maximum value of 29.8 ppb obtained. Multi-element correlations showed limited associations with gold, including silver. The multi-element data appears complex and is influenced by multiple overlapping mineralizing systems in the area, each with distinct signatures. Additionally, the variability of host mineralogies and their resistance to weathering and erosion during and after the till transport process contributes to this complexity.

Nonetheless, the observed weak correlations between gold and trace elements (Au +/- Cu, Mo, Te, Bi, Sb, W, As, Pb) suggest that the multi-element data could potentially be used to vector towards a deposit, possibly of an intrusion-related signature associated with the syn-Timiskaming Alkalic suite, of which the Cairo Stock is a part. Moreover, strong correlations between arsenic (As), antimony (Sb), tellurium (Te), tungsten (W), and silver (Ag) suggest an orogenic signature within the region, indicating potential for a gold-forming event.

The weak correlation between gold and silver—an element often found in alloys with gold in orogenic systems—may suggest that the gold in this area is derived from a more mesothermal source, with lower Ag:Au ratios. Furthermore, the lack of Ag-rich Au-Ag species implies that gold grains would be more rapidly abraded in the till train. This suggests that the anomalous gold in the till forms a relatively short, close-to-source train (< 500 m) that diminishes rapidly with distance.

Within the Norris West area, the Huronian Cover (which hosts no known significant gold deposits) further highlights the extent of gold abrasion in the till. Where tested, gold grains drop to background levels within five hundred meters of the Huronian-Archean contact, supporting Bajc's findings. This distance can be used as a reference to estimate the potential source of a significant gold grain population.

14.2.3. Till Targeting

Several target areas have been delineated using the LiDAR glacial directions, clast populations, gold in till grain counts, and multi-element analyses (see appendix F for sample locations). A combination of these factors is incorporated into a target ranking, where each factor is ranked according to the following rules:

1. Clast Populations & LiDAR features *(stretching factor)*
    a. Assumed to have a dominant west vector and sub-ordinate south vector for directional interpretation of potential till trains.
2. Gold Grain Data *(out of 10)*
    a. Within each grain morphology (Pristine, Modified, Reworked), ranked by the number of gold grains, from 0 (no grains), 1 (background (< 10)), 2 (anomalous (10 – 20)) or 3 (significant (> 20))
    b. Each morphology ranking is then modified by a distance from source factor, from 1 (Reworked), 2 (Modified), 3 (Pristine)
    c. Summed values from b) are normalized to a score of 10
3. Multi-element Data *(out of 10)*
    a. Each element is binned into < 50^{th}, 50^{th} - 75^{th}, 75^{th} - 90^{th}, or > 90^{th} percentile, and ranked as 0 (below 50^{th} percentile), 1 (50^{th} - 75^{th} percentile), 2 (75^{th} – 90^{th} percentile), 3 (> 90^{th} percentile).
    b. Each element is multiplied by its spearman correlation factor with gold (Table 7), which can be interpreted to be a simple proxy of gold-element relationship importance.
    c. Summed values from b) are normalized to a score out of 10

The results of the targeting criteria exercise, as well as the 10 kg normalized gold grain counts, are shown in Figures 18, 19 & 20. These results highlight three prospective target areas worthy of follow up. These include, not ranked in importance:

A) The southern margin of the Cairo Stock, adjacent to mapped Timiskaming Conglomerates, in an area of interpreted structural complexity with known Au in grab samples, and along strike to the east of the Biralger showing.
B) The Eastern contact of the Cairo stock with the Tisdale or Kinojevis volcanic host

rocks, where east-west striking structures and the north-south intrusive contact meet (e.g., similar to the Chartre-Dufresne Showing) – this contact is dominantly under till cover.

C) Along strike of the east-west striking Holmes and Wiley Lake Faults within the volcanic sequence, an area dominantly under till cover.

The 2024 till sampling campaign at Norris West has provided valuable insights into the glacial transport and dispersion of gold and associated elements. The analysis suggests that gold in the till is derived from a relatively nearby source, with significant reworking of earlier glacial deposits. The weak but significant correlations between gold and other elements, as well as the reworked nature of the gold grain populations, indicate that multiple overlapping mineralization processes may be influencing the geochemical signature observed in the till. These findings will help guide future exploration efforts and contribute to a better understanding of the mineralization potential in the region.

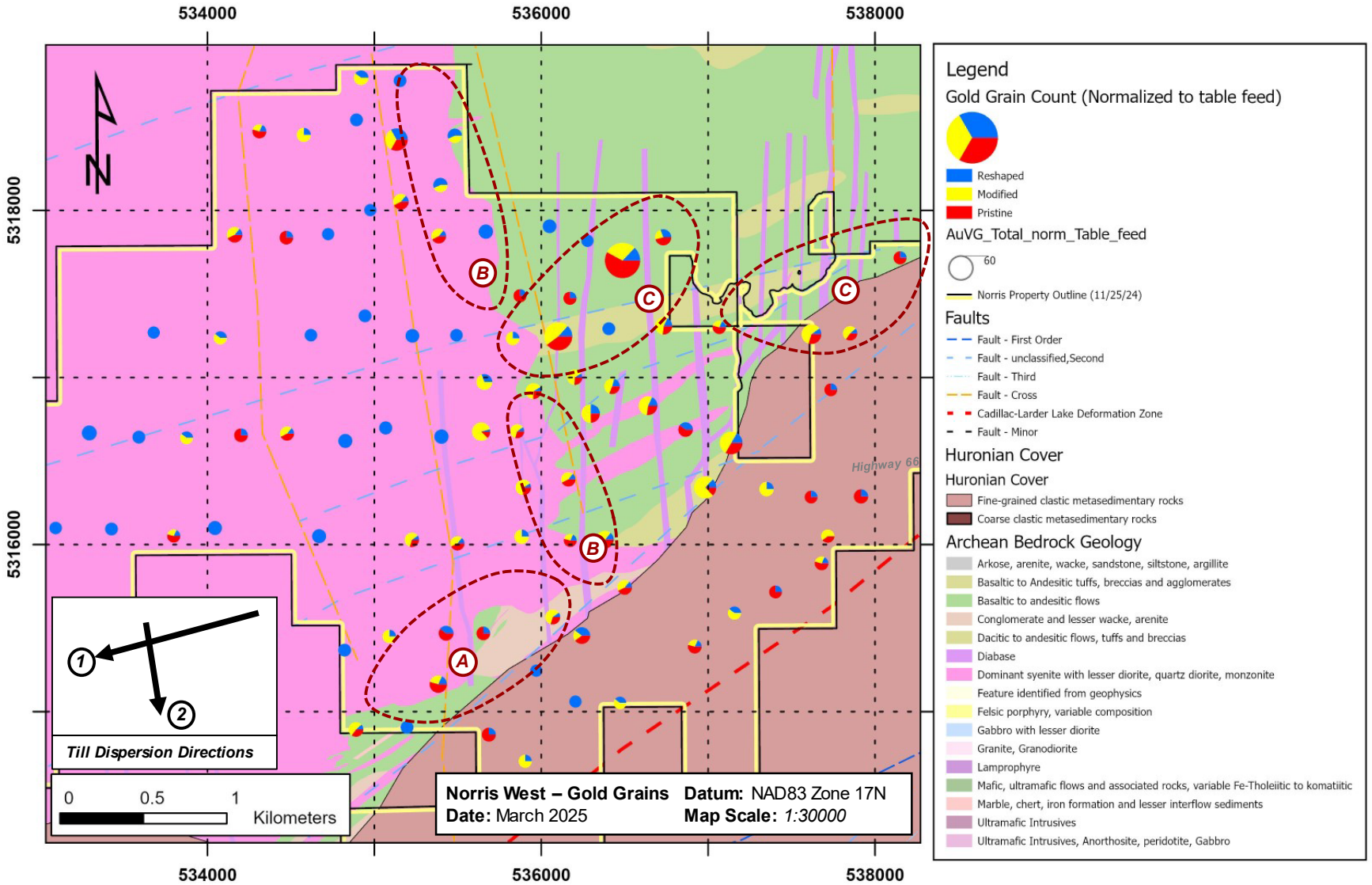


Figure 18. Gold grain count data for 2024 Norris Till Sampling overlaying Archean and Huronian geology. Areas identified as potential anomalous gold in till sources are circled in red, and discussed in the text. For sample ID's with reference to claims, see Appendix F.

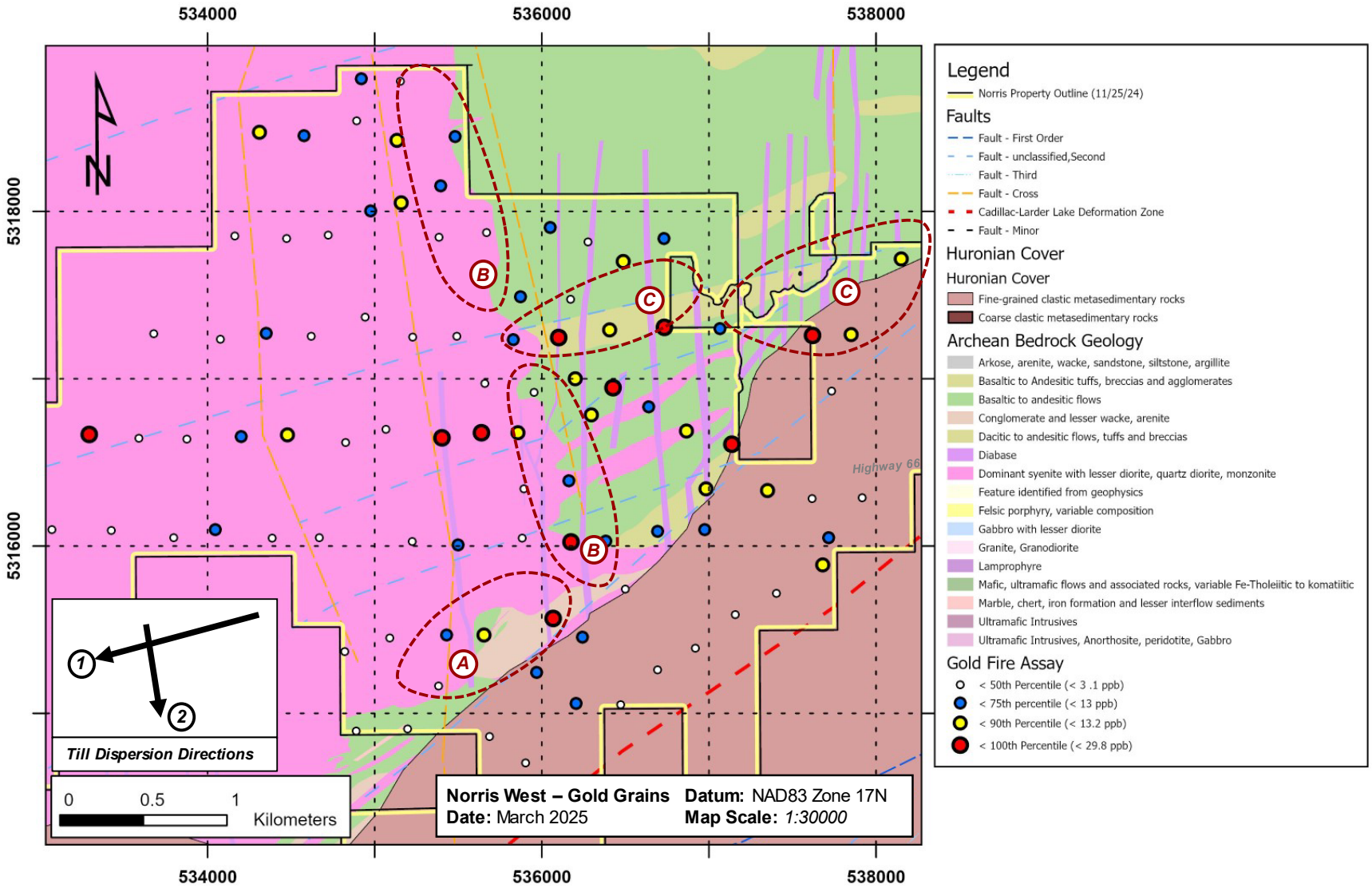


Figure 19. Gold multi-element analytical results for the 2024 Norris West till sampling, symbolized by percentile and overlaying Archean and Huronian geology. Areas identified as potential anomalous gold in till sources are circled in red and discussed in the text. For sample ID's with reference to claims, see Appendix F.

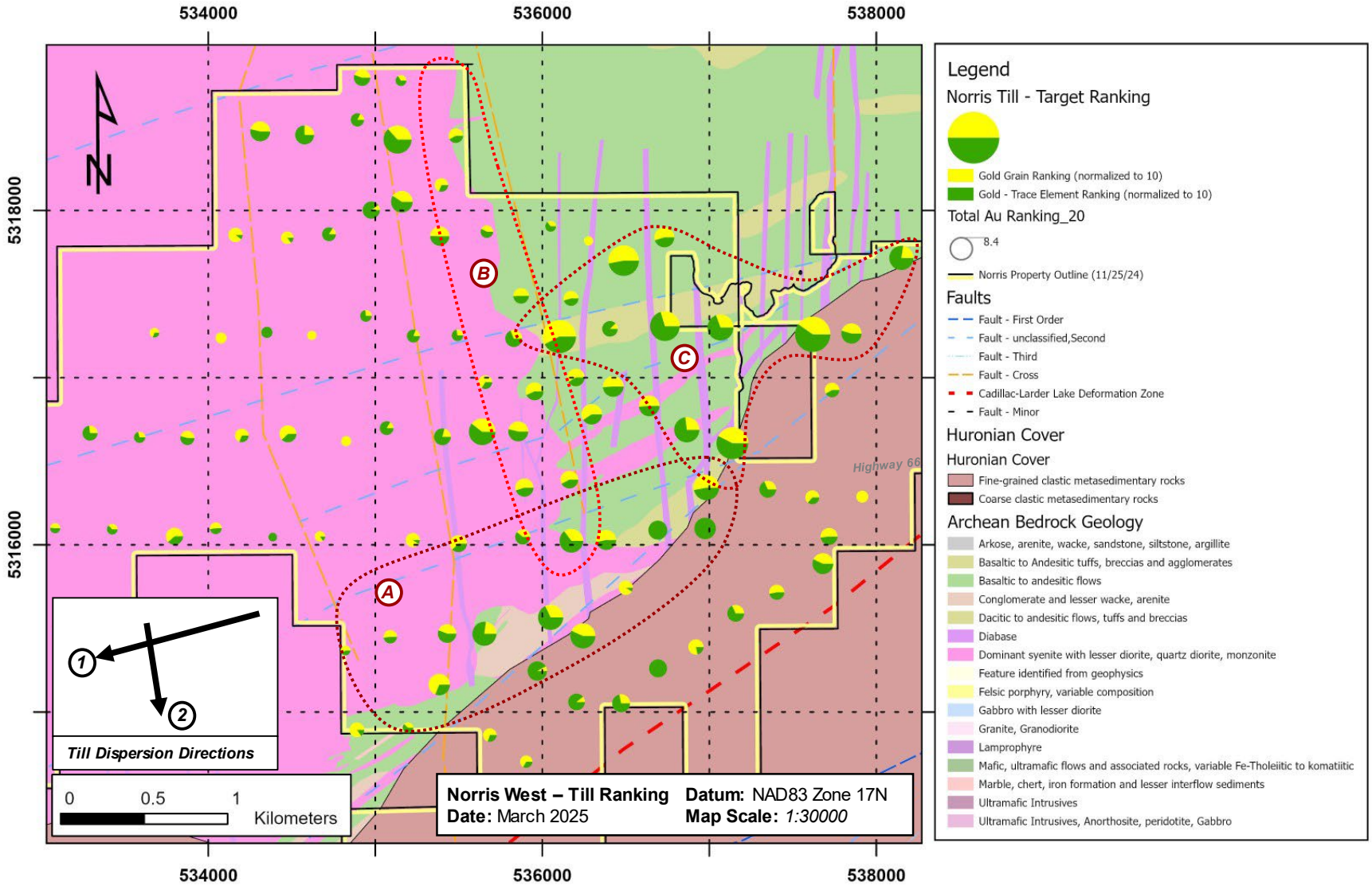


Figure 20. Gold grain count – multielement analysis ranking data for 2024 Norris till sampling overlaying Archean and Huronian geology. Areas identified as potential anomalous gold in till sources are circled in red and discussed in the text. For sample ID's with reference to claims, see Appendix F.

14.3. Bedrock Geology Interpretation

14.3.1. Summary

The geologic interpretation discussed here builds on those presented by Garcia (2024) on the eastern portion of the property, prior to the acquisition of the Prosper Gold ground or earn-in with Mr. J. Rapski. While the project has been divided into two areas for the discussion below, a general synthesis is presented here.

Mapping and sampling work completed on the property aimed to evaluate a desktop-based remapping of the project area completed in early 2024 and based off a synthesis of all available historic data, including historic government and industry mapping, diamond drilling, and geophysics. In general, the 2024 program has confirmed general structural and geological interpretations from previous OGS mapping (OGS MRD-126) and recent re-interpretations. However, some new or different lithologies were identified within the field that allowed for a refinement of the geological map for the project, and the understandings that come with it.

As previously recognized, the geology of the property consists of five main lithologic and structural regimes, which are summarized below, along with the generalized types of alteration and mineralization observed in each lithology. Specific zones are described in more detail in sections 12.3.2 and 12.3.3.

14.3.1.1. Archean Volcanics

Tidsale Group volcanics occur across the property as island arc tholeiites and calc-alkali basalts, mafic-dominant metavolcanic rocks with lesser intermediate to felsic metavolcanic and metavolcaniclastic rocks and chemical sediments. Field mapping shows that these are dominantly low to locally high-strain basalts-andesites, massive to pillowed, with a weak schistosity enhanced near recognized structures as an east-west to east-northeast-oriented, steeply dipping penetrative fabric. Occasionally, they may be tuffaceous, or feldspar phyric fine to medium grained flows.

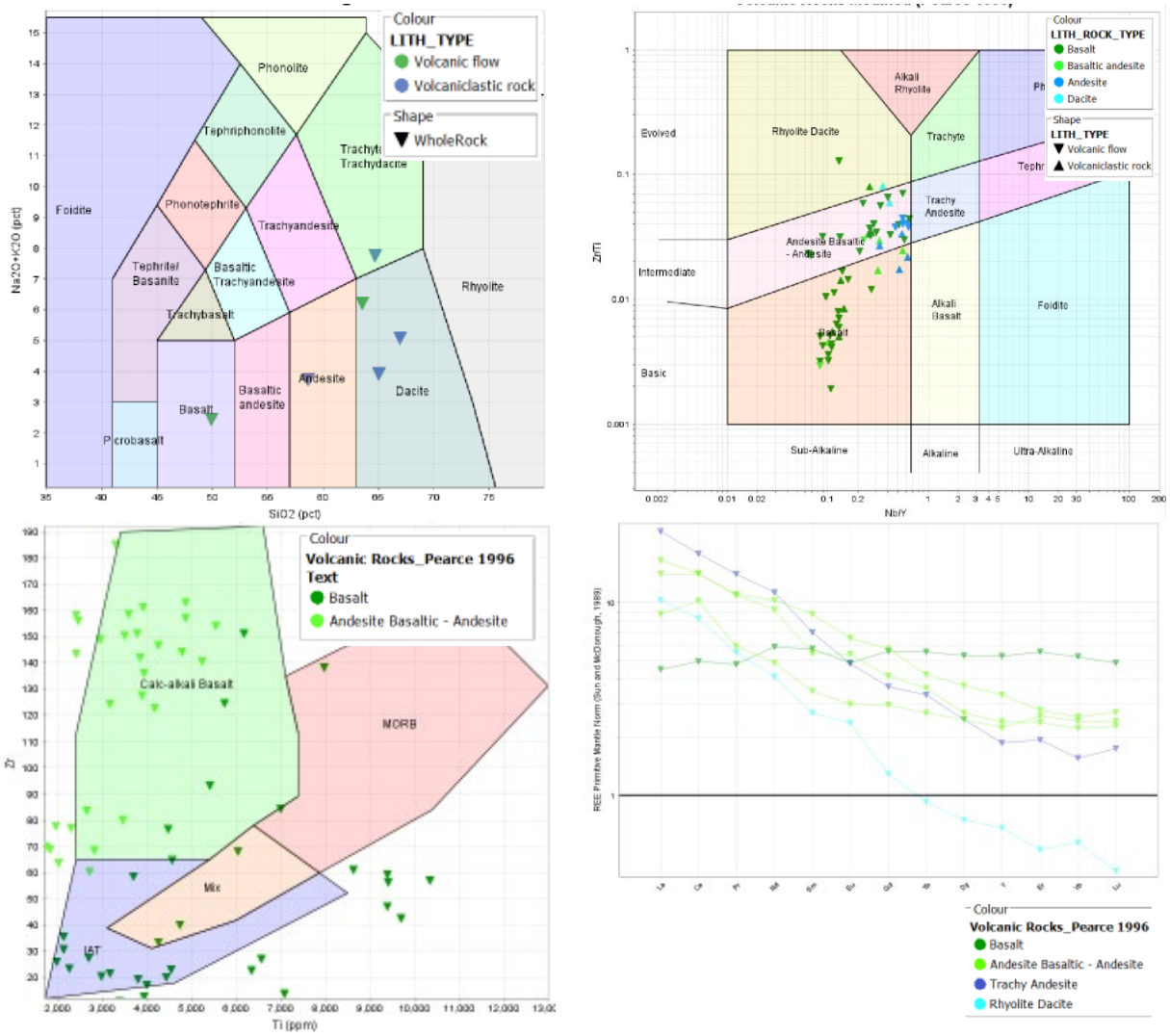


Figure 21. Geochemical classification of volcanics on the property using major elements (Le Maitre 1989) and trace elements (Pearce 1996; Pearce and Cann 1973). IAT: Island arc tholeiites. MORB: Mid-Ocean Ridge basalt. Primitive mantle normalized REE spider diagram for volcanics

In Norris East, a greater diversity of volcanics and volcaniclastics was recognized in 2024 versus in 2023. The presence of multiple sequences of tuffs, lapilli tuffs, and lithic tuffs of dominantly mafic composition were noted. A large pyroxenite intrusive was confirmed as well. However, previously recognized fuchsite alteration and ultramafic flows were not observed when revisited. Additionally, the presence of magnetic chemical sediments was recognized in the field, following up on interpretations utilizing magnetics in early 2024. These appear to be intercalated with the volcanics, suggesting

a near-seafloor depositional regime for the volcanics in Norris East. Similarly, in Norris West, several pillowed volcanics were also observed, similarly suggesting a shallow depositional regime.

Geochemically, the volcanics comprise mostly of calc-alkaline basalts and basaltic andesites and low-K island arc tholeiitic basalts with minor calc-alkaline rhyolite-dacite volcaniclastics (Figure 21).

Several volcanic samples were analyzed using whole-rock methodology for rock characterization (Figure 21). The mafic sample is characterized by flat rare earth element (REE) patterns $[La/Yb]_{pm}$=1.2 and a slight enrichment in incompatible elements (4 to 6 times higher than the primitive mantle). The REE pattern suggests a N-MORB or arc tholeiite setting. The sample also displays a weak negative Eu anomaly which could suggest oxidizing conditions.

The intermediate volcanics are characterized by enrichment of light rare earth elements (LREE) (La_{pm} = 6-16.1) and slight to moderate depletion of heavy rare earth elements (HREE) ($[Gd/Lu]_{pm}$= 1.6-16.84). Similar pattern is observed for the felsic volcanic sample, but the HREE depletion is strongly pronounced (Figure 21). The pattern suggest magmatic differentiation in a volcanic calc-alkaline arc setting.

Alteration and mineralization hosted within the mafic volcanics across the property, but dominantly in Norris West includes:

- Chloritization and carbonatization – weak and inconsistent thought the property, possibly metamorphic in origin;
- Calcite-ankerite-quartz veining– as veins and disseminated in higher strain volcanics and pillow margins, with disseminated pyrite and/or chalcopyrite and epidote – rare and spatially restricted. This includes several significant gold values around Chief Lake Road adjacent to the Cairo Stock.
- Silicification (QSP alteration) – concentrated within structurally complex zones, as an increase in pervasive alteration from the calcite-ankerite-quartz veining. Shares a spatial relationship with the margins of the Cairo Stock and associated dykes, and may be a representation of local hornfelsing of the host rock adjacent

to the stock. Elevated to multi-gram gold values are associated with this type of alteration.

- Gossanous pods – as seen, but not mapped in detail in 2024, at the Lucky Irish Showing. Also observed east of Wylee Lake, which may represent localized VMS mineralization and alteration, which establishes local proximity to sea floor-volcanic contact and is spatially associated with chemical/ siliceous metasediments. No significant Au values were obtained from these rocks.
- Lean banded iron formation/ siliceous metasediments – with associated silicification, sericitization, and quartz veining as observed east of Watabeag Road, but no significant gold or base metal values from these rocks.

14.3.1.2. Timiskaming Sediments

North of Ontario Highway 66, spaced north-south striking line mapping traverses confirmed the presence of Timiskaming conglomerates hosted within the volcanics at the southern edge of the Cairo Stock that were mapped by past operators. These take the form of polymict, high strain matrix to clast-supported conglomerates and intercalated, high strain lapilli tuffs. Alteration hosted within these rocks was of the sericite-carbonate type. Disseminated pyrite was observed locally. While no significant gold values were observed in the conglomerates samples, several anomalous gold values were received within basalts directly adjacent to them.

The presence of these rocks within the property area, and especially north of Highway 66/ the edge of Huronian Cover, is significant, as they are commonly spatially and temporally associated with the CLLDZ are indicative of rapid uplift. Additionally, their presence adjacent to the Middleton Lake Fault provides analogies with the Kirkland Lake Main Break, the most endowed gold hosting structure adjacent to the CLLDZ in Ontario.

14.3.1.3. Archean Intrusives

A variety of pre-tectonic and syn-tectonic intrusive rocks are found in the property, including syenites, syeno-diorites, granites, quartz-diorites, gabbros and variably sized alkalic porphyry bodies, such as the Cairo Lake Stock, which are synchronous with Temiskaming-age deformation around 2.7 Ga (Algoman-suite intrusives). The alkalic intrusions consist of hornblendite, alkalic gabbro, syenite, quartz syenite, and alkalic granite (Figure 22). Further southeast, the Tisdale Group is intruded by the granitic Round Lake batholith (2734-2743 Ma) (Ketchum et al., 2008).

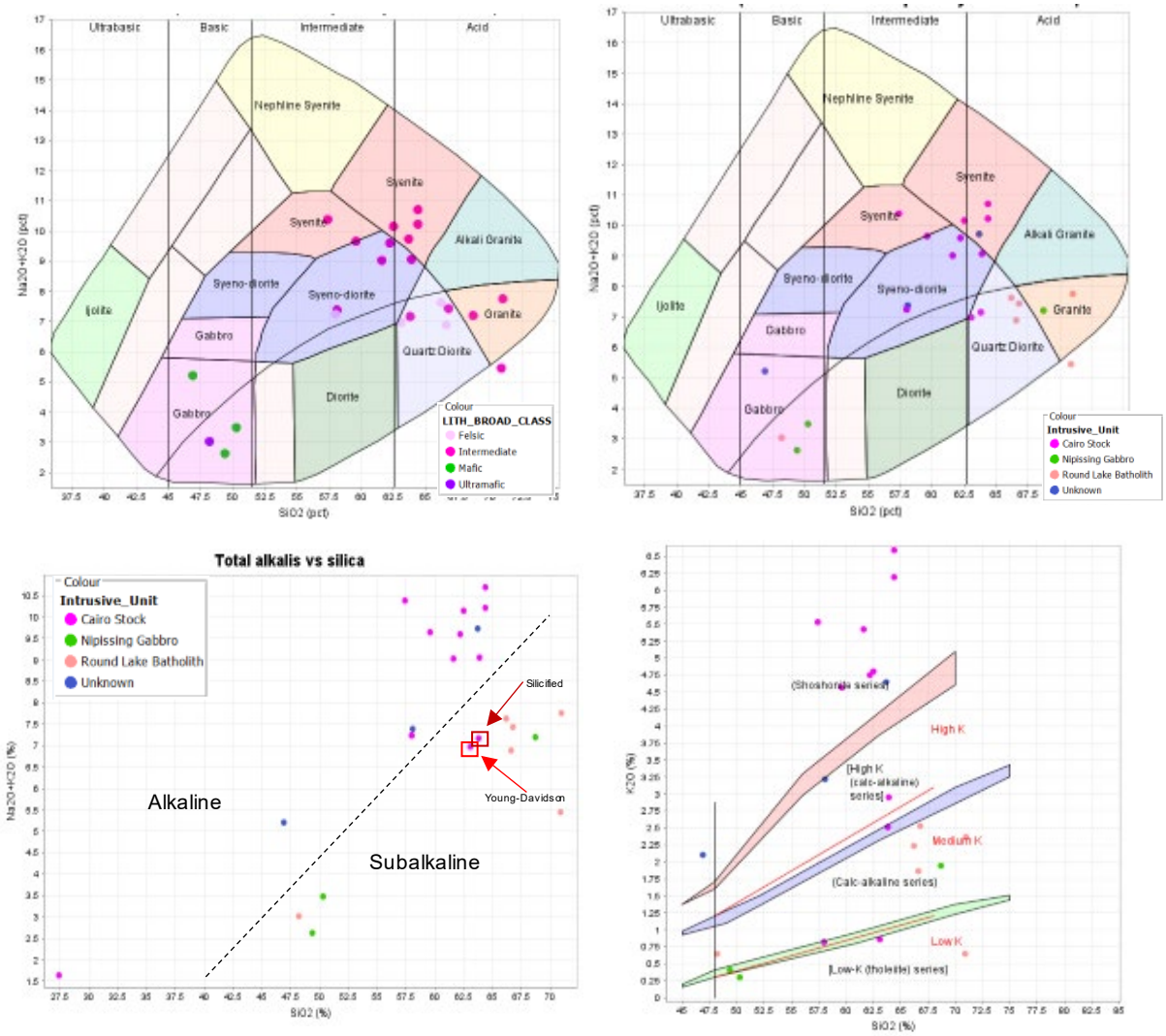


Figure 22. Geochemical classification of intrusions on the property using major elements (Cox et al., 1979 adapted by Wilson 1989), total alkalis vs silica (Na_2O+K_2O vs SiO_2) diagram and K_2O vs SiO_2 subalkalic subdivisions, after Le Maitre (1989). All legends correspond to field observations. A couple samples of Cairo Stock plot in the subalkaline region due to alteration (silicification).

Geochemically, the Cairo Stock and several associated feldspar-porphyritic dykes consists of alkali feldspar rich alkaline syenodiorite to syenite, in agreement with the findings of previous operators. It is distinct on the property in that it is classified as a high-K calc-alkaline to shoshonite series intrusion. Shoshonites are the product of low-percentage partial melting zones and metasomatized subcontinental lithospheric mantle which may form either during arc magmatism or during post-collisional extensional periods. The REE spider diagram shows a negative slope pattern characterized by high enrichment in LREE (30 to >100 times higher than the primitive mantle) but relative depletion on HREE. In the Nb vs Y diagram, higher Nb and Y values compared to the Round Lake Batholith place the Cairo Stock samples in the syn-collisional granite corner within the volcanic arc granite area.

Geochemically, the Round Lake Batholith consists of subalkaline gabbro, quartz-diorite, and granite (Figure 22). It classifies in the medium K calc-alkaline series. The Round Lake Batholith REE spider diagram shows a negative slope pattern characterized by slight to high enrichment in LREE (5 to 40 times higher than the primitive mantle) and is depleted on HREE. The REE pattern and Nb vs Y diagram suggests a volcanic arc setting. The exception in the REE diagram is sample K518065 that displays a flat REE pattern. This sample corresponds to an amphibolite that outcrops in the eastern part of the property within what was originally interpreted as an Archean porphyritic intrusive like the Cairo Stock unit west of the Round Lake Batholith. Although the LREE enrichment pattern of this intrusion overlaps with Cairo Stock, the HREE, Nb vs Y and major elements displays the typical signature of the Round Lake Batholith (See “The Squeeze” section), and it is likely the basement to the Tisdale assemblage.

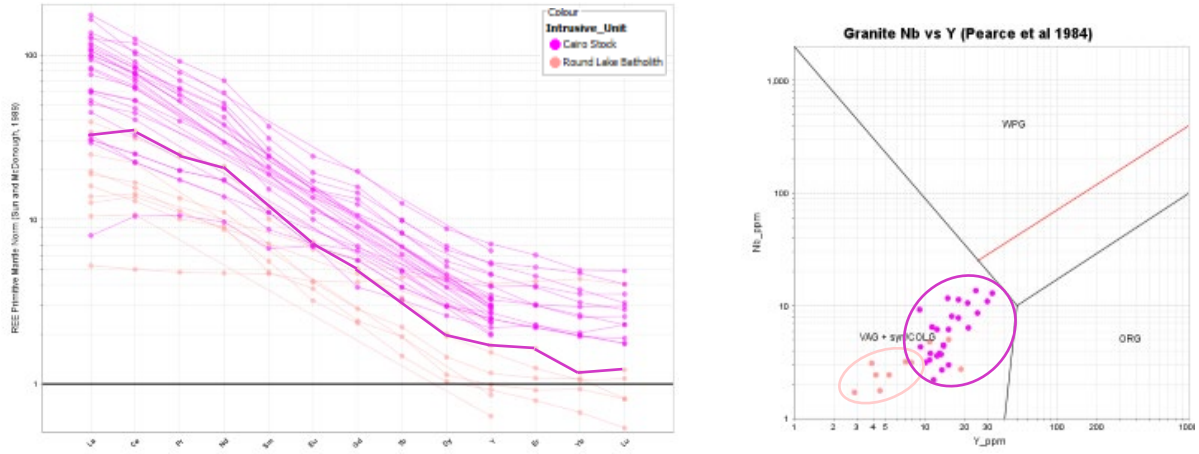


Figure 23. Spider diagram & Granite Nb vs. Y plot for dominant intrusives on the property. Spider plot normalized to Primitative Mantle from Sun and McDonough, 1989. Purple bold line represents REE pattern of intrusion in the east part of the property west of the Round Lake Batholith. b. Granite Nb vs Y VAG: Volcanic arc granite; syn/COLG: syn collisional granite; ORG: Ocean ridge granite; WPG: within plate granite.

14.3.1.4. Post-Mineral Lithologies

Several other post-mineral lithologies were observed during the 2024 field program. While these are not of interest from an exploration targeting perspective, confirmation of their presence and location throughout the property aids in targeting within areas of interest. In particular, the edge of the Huronian Cover sequence was confirmed along Highway 66, aiding in drill planning for the area. Additionally, the presence of numerous north-south trending Matachewan Diabase dykes and possibly Sudbury Swarm Diabase dykes throughout the property was confirmed; their locations will be of importance in planning drilling in an appropriate orientation. Although the Huronian Supergroup is known to host precious metal mineralization elsewhere, it is not of interest to this program, and no considerable time was spent further assessing these rocks in 2024.

14.3.1.5. Regional Deformation & Structures

Across the property, deformation intensity is generally low, with only the presence of a spaced cleavage or weak foliation dominantly oriented dominantly east-west. However, adjacent to interpreted and mapped structures, as well as major rheological contrasts due to lithological contacts, strain varies from schistose to gneissic and is oriented sub-parallel to major contacts.

Numerous CLLDZ splay or secondary footwall faults are present throughout the property, including the Middleton, Wylee, and Holmes Lake Faults, which crosscut the Cairo Lake Stock in Norris West. These are marked by discrete high strain zones, with a penetrative schistosity, an increase in veining and/or sulfides in sheared zones. Offset along these was dominantly observed to be sinistral. Although direct measurements of these structures was not obtained, they are interpreted to dip sub-vertical or steeply to the south. Stretching lineations observed in the foliation plane are of two varieties – a shallow SW oriented lineation, and a steep S-dipping lineation. These suggest elements of both transpression and either normal/ reverse fault movement along the plane of the dominant foliation in Norris West.

In Norris East, as previously observed by Garcia (2023), Volcanics at the contact with the Round Lake Batholith, as well as intrusive phases of the batholith itself, are strongly deformed with gneissic banding oriented roughly east or west and dipping sub-vertically. The well-developed fabric suggests high grade of metamorphism as well as syn-deformation magmatism. However, other contacts of the intrusion throughout the eastern portion of the property do not exhibit the same level of strain, suggesting varying deformation regimes for rocks in contact with the batholith. Dominant bedding, and foliation where observed, is generally east-west oriented and steeply dipping to sub-vertical. At the Watabeag banded iron formation area, there was limited evidence for dextral shearing with a weak to moderate penetrative cleavage – evidence of this deformation is discrete but can be often observed throughout Norris East.

14.3.2. Norris West

14.3.2.1. Moosehunt Veins

Three historic trenches were visited to determine geology and style and controls of mineralization in Cairo Stock. A total of three vein samples and one whole rock sample of Cairo intrusion were collected. A ~70 m long north to south trending trench exposes a strongly magnetic, coarse to medium grained, light pink to grey, equigranular (occasionally inequigranular to porphyritic) intermediate intrusion, generally undeformed to foliated in high strain zones with 5 to 20 % chlorite as alteration product of biotite or amphibole. The intrusion shows up to 80 cm east to west-trending high strain zones

occasionally sulphidized hosting parallel mineralized quartz veins. The mineralized veins are 1-10 cm wide composed of fine to coarse grained quartz, carbonate, chlorite and 1-5 % pyrite. High strain zones trending 248 to 278 degrees on each side of vein develop a C-S fabric with dextral kinematics and steeply (> 80 degree) dip to the NE. Notable results in the area include:

K518255 - Mineralized 6-10 cm thick fine-grained quartz-carbonate- chlorite vein in high strain zone with minor intrusion host rock,1-5% pyrite returning 0.366 g/t Au, with elevated As, Bi, Mo, W.

K518256 - 30cm thick sulphidized zone including numerous 1cm thick quartz-carbonate-chlorite, 1-5% pyrite veins returning 0.923 g/t Au, with elevated As, Mo, Zn, Bi.

Another generation of 3-10 cm north trending (334 to 005 degrees) massive, unmineralized quartz-chlorite veins are cross-cut by the east trending high strain-parallel veins. These veins often show sigmoidal tension gashes and/or perpendicular tension veinlets, which suggests they were formed pre to syn deformation.

14.3.2.2. Chartre-Dufrense Showing

The Chartre Dufresne showing was revisited to determine the style of mineralization and the potential structures associated with it, with a total of eight samples collected (including two along strike discussed in section 12.3.2.3). Two 5–10 m by 10 m stripping areas expose a 3–6 m wide vein trending at 060 degrees. The vein ranges from laminated to massive and is composed of quartz and layered tourmaline, with sporadic chlorite and albite. The laminated wall rock, predominantly intrusive (Cairo Stock) and volcaniclastics, is strongly foliated and sheared up to 5 m away from the vein. Dextral offset markers and polyphase deformation are present, suggesting emplacement within an active deformation zone. The present sulfides, including pyrite, galena, and chalcopyrite, are likely pre-syn deformation, while the bulk of the vein was emplaced during syn-deformation. Late quartz tension gashes cutting the main vein were emplaced post-deformation. Stretching lineations observed on foliated surfaces are oriented shallowly (< 15 degrees) to the south-southwest. Fault striations and

tourmaline growth vary from southwest to west, with similar shallow plunges. Four samples were collected from the main showing to determine the gold grade and associated elements. Notable results include:

K518724 - Mineralized oxidizing early quartz-tourmaline-albite veins with pyrite, chalcopyrite, and sphalerite locally, returning 4.71 g/t Au and 4.17 g/t Ag, with elevated levels of Bi and W.

K518722 - Collective chip sample from the main quartz-tourmaline-calcite-feldspar vein, returning 0.175 g/t Au, 9.08 g/t Ag, 0.249% Cu, with elevated levels of Bi and W.

Past drilling, conducted at close spacing (25 m), failed to intercept the vein at depth (<30 m). Observations from the 2024 field program suggest that the vein occupies a dilatant zone at the edge of the Cairo Stock, where the ENE-trending Wylee Lake Deformation Zone crosscuts it. The vein is likely tube-shaped at depth, with a shallow plunge to the southwest. Follow-up drilling should target this plunge interpretation.

14.3.2.3. Wylee Deformation Zone

About 150 m east-northeast of the Chartre Dufresne Showing, a trench created in 2004 was revisited. Here, a massive, fine-grained, equigranular intrusion or fine-grained volcaniclastic is pervasively silicified and appears cloudy light green, with 1–3% sericite-altered feldspar grains (phenocrysts). The host rock is crosscut by hematite-epidote-chlorite stringers and veinlets, generally trending northeast, with diffuse 1–10 cm alteration halos, making up about 10% of the rock mass. Two samples were collected—one for host-rock characterization and the other for the veinlet assemblage. Both the host rock and the veined sample showed elevated levels of key tracer elements, including:

K518106 (host rock) - 4.1 ppm As in sericite-quartz altered fine grained intrusive or volcaniclastic

K518727 (veined sample) - 1.74 g/t Au, 23.3 ppm As, with elevated to anomalous Ag, Bi, Ce, Sb, Te, and W.

The style of alteration and mineralization is uncertain but may be the coincidence of the extension of the Wylee Lake Deformation Zone overprinting hornfelsed volcaniclastic rocks. Follow up mapping and sampling is recommended in the area adjacent to the trench.

14.3.2.4. Highway 66 Corridor

Several days were spent mapping along the corridor between Separation Lake/Chief Lake Road and Highway 66, from the western edge of the claims towards Holmes Lake, with a total of fifty-one samples collected. The purpose of this fieldwork was fourfold:

1. To confirm the presence of Timiskaming sediments (conglomerates) mapped by past operators.
2. To ascertain the nature of alteration and mineralization mapped by past operators in the area.
3. To identify any splay structures in the immediate footwall of the CLLDZ that are not covered by post-mineral cover.
4. To use points 1 through 3 to identify potential vectors towards mineralization

Barrick staff confirmed the presence of some of the historically mapped Timiskaming sediments west of Chief Lake Road, as a northeast-trending, >250 m thick package. However, the sediments historically mapped northeast of the entrance to Chief Lake Road could not be located. In this area, variably carbonate-pyrite altered mafic-intermediate flows and volcaniclastics (mafic tuffs) are present instead. The sediments were dominantly recognized as polymict conglomerates, matrix- to clast-supported with a silty matrix and pebble- to cobble-sized, rounded clasts. Clast types recognized included mudstones, felsic intrusives, iron formation, quartz veins, and gabbroic/mafic intrusives and mafic volcanic clasts.

Two styles of alteration and mineralization were recognized within the corridor:

1. Quartz-sericite-pyrite (QSP) alteration variably affecting basalts and quartz-sericite alteration pervasive within the Timiskaming sediments west of Chief Lake Road. This style of alteration may be related to fluids along interpreted northeast-trending structures or may result from hornfelsing along the edge of the Stock, or

both, similar to the outcrop along the Wylee Lake Deformation Zone.

2. Quartz-chlorite-calcite-(ankerite) pervasive and veinlet alteration with disseminated pyrite in the mafic-intermediate volcanics along and east of Chief Lake Road.

Notably mineralized samples along the corridor include:

K518262 - 0.134 g/t Au in sericite-chlorite-hematite altered high strain basalt directly adjacent to Timiskaming sediments.

K518263 – 0.617 g/t Au and 2.22 g/t Ag in a sericitized/chloritized mafic volcanic with grey quartz veinlets, spotty ankerite and 4% blebby chalcopyrite and magnetite directly adjacent to Timiskaming sediments.

K518728 – 0.219 g/t Au and 73.1 ppm Sb in a fine grained, moderately silicified fine grained volcanic with 3-5% disseminated pyrite and hairline quartz veinlets up to 10% along strike of historic Chief Lake Road drilling.

K518738 – 1.565 g/t Au, 2.67 g/t Ag, 0.135% Cu in a moderately foliated, moderately pervasive QSP-altered basalt with 1% disseminated fine grained pyrite in contact with the Cairo Stock.

Relative As increases are also observed within the corridor, with a 10 to 30 times increase compared to the Cairo Stock, and a 100-fold increase compared to the volcanic rocks in Norris East. Additionally, W, Bi, and Sb are all relatively enriched within the corridor.

The rocks observed between Highway 66 and the southeastern edge of the Cairo Stock were variably strained, with a spaced cleavage to well-defined penetrative foliation characterized by sericite and/or chlorite, uniformly trending northeast and dipping moderately southeast (60 degrees to sub-vertical). Overall, deformation was more pronounced in the Timiskaming conglomerates (moderate-high) than in the mafic-intermediate volcanics along strike (weak-moderate). Within the conglomerates, the clasts were generally sub-rounded, with stretching ratios from 4:1 up to 16:1 and elongation (stretching lineation) steeply to the southwest, matching the direction, but not

the shallower plunge, of the measured stretching lineations. Elsewhere, where strain was lower, sericite-defined foliation wrapped around clasts. Increases in strain within the conglomerates seemed to correlate with more localized (10-30 m) variations in host rocks, including intercalated high-strain, altered mafic volcanics, felsic tuffs, and northeast-trending Cairo dykes. This suggests that the higher strain conglomerates demarcate local structures in the footwall of the CLLDZ, and the regional fabric indicates that these structures dip moderately to the southeast.

The combined presence of variably altered and strained Timiskaming sediments, altered mafic volcanics, interpreted structures parallel to the CLLDZ, and regional elevations in anomalous concentrations of Au, Ag, As, Bi, W, and Sb provide good evidence that alteration and mineralization in the area. As a result, understanding what is beneath the post mineral cover through a drilling program is warranted.

14.3.3. Norris East

14.3.3.1. Eby West Road Area

The Eby West Road Area was revisited in 2024 due to the recent discovery of ultramafic volcanics, fuchsite alteration, and historic drilling with narrow gold intercepts. Field mapping in 2024 collected twenty-two samples in the area and successfully identified several features of interest in the area, including a thick (1 km) package of intercalated mafic (to intermediate) crystal-lapilli tuffs, gabbro-diorites, and lesser mafic pillow basalts, located north of the interpreted contact with the Round Lake Batholith. Strain varied from weak to strong, with an east-west trending spaced cleavage in the gabbros and a well-defined, sub-vertical, east-west trending penetrative foliation with a steep south-plunging stretching lineation in the mafic volcaniclastics. However, unlike in the Highway 66 Area of Norris East, no gneissic textures were observed. Several east-west trending syenite dykes (<1 m thick) were also mapped in the area, along with a 20-30 m, N-S trending pyroxenite dyke, which may be part of the Nipissing or Sudbury swarm diabase dykes. Ultramafic volcanics and fuchsite alteration were not observed; instead, mafic tuffs with chlorite along quartz veinlet margins is more likely.

Several narrow (<30 cm), laminated to vuggy to massive quartz-feldspar-hematite-epidote-tourmaline veins were mapped in outcrop or likely in situ-float. These veins were hosted within discretely high strain gabbros, containing 1% pyrite and 1% chalcopyrite, with up to 5-10% pyrite, chalcopyrite, and possibly sphalerite in quartz veinlets within the sheared gabbro. The veins mapped in situ were interpreted to trend east-west to northwest, with a steep dip to the north. Although no significant gold values were obtained from these vein samples, several samples contained notable Ag-Cu values, including:

K518325 – A 24 cm wide quartz-feldspar-chlorite vein with feldspar-hematite margins and magnetite-chlorite- epidote alteration selvages, 2.89 g/t Ag.

K518219 - Quartz vein, 7 cm wide, weakly laminated with seams of calcite-hematite-sericite and 1% splashes of chalcopyrite and pyrite, with 1.93 g/t Ag and 0.093% Cu.

K518329 - Quartz vein, feldspar-hematite-chlorite margins, patchy magnetite and/or pyrrhotite, and up to 5% pyrite along vein selvages, with 0.1295% Cu.

The latter two vein samples, mapped 100 m apart, likely represent the vein intersections drilled by Preston Dome Mines in 1950 with 0.1 oz/t over 0.15 m – 2024 sampling was sufficient to suggest that no gold is present in these veins. Follow up work is not warranted in this area.

14.3.3.2. Watabeag BIF

This area was originally recognized as a region of interest based on a prominent east-west trending magnetic high, interpreted to represent a banded iron formation overlying felsic volcaniclastics within a larger mafic volcanic package mapped by the OGS. While no outcrop was observed west of Watabeag Road due to significant glacial cover, detailed mapping east of Watabeag Road, in an area approximately 1.5 x 1.5 km in size, revealed a higher lithologic complexity. A total of fifty-seven samples were collected in this area. Lithologies mapped included an intercalated package of gabbro sills, mafic volcanics (basalts), mafic to felsic volcaniclastics (lapilli and crystal tuffs), and metasediments, including oxide facies banded iron formation and matrix-supported,

polymict cobble-boulder conglomerates. Narrow syenite dykes were also observed cutting all previously mentioned units, with east-west to north-south orientations.

Strain intensity in the area ranges from unstrained, with a weak spaced cleavage (likely metamorphic), to high strain, with a well-defined 080 degree trending penetrative cleavage with a sub-vertical to northerly dip. No rocks are preferentially strained, although crosscutting dyke phases appear to have experienced less strain, suggesting they are likely late with respect to deformation. Several discrete chlorite slips/shear zones with observed offset strike east-west, and local parasitic folding was noted, with 290 degree oriented axial planes and steep north-northwest plunging fold noses. Similarly, steep down-dip, north-plunging stretching lineations were observed in well-foliated intermediate volcaniclastics. Sinistral slip was noted in an exposed hand trench of banded iron formation. Overall, strain in the area was higher than expected and suggests the presence of a regional fault, not previously recognized, trending east-northeast with a steep northern dip and possible sinistral transpression.

Several historic workings were found in the area and were subsequently recognized in the LiDAR data; these likely correspond to prospecting activities from the 1970s to 1990s, for which no assays were reported. These workings targeted discrete occurrences of observed veining and alteration in the area, including narrow quartz veining in the banded iron formation and areas with hematite, K-feldspar, quartz, and carbonate alteration in both mafic volcanics and volcaniclastics, with trace to 2% disseminated pyrite, magnetite, and local pyrrhotite.

The chemical metasedimentary rocks and conglomerates in the area are of particular interest, as they are the best representations of a seafloor depositional environment. In particular, the conglomerates were mapped as polymict, with locally derived angular to sub-rounded clasts of banded iron formation, mafic volcanics, feldspar-dominant and sediment clasts, within a fine-grained chloritic matrix. While these could be volcaniclastic in origin (agglomerates) and possibly indicative of a VMS environment, the presence of locally derived banded iron clasts suggests that they were formed from rapid uplift and fault-derived erosion and sedimentation along a reactivated syn-volcanic fault, similar to the Timiskaming sediments in the footwall of the CLLDZ. The intensity of

strain (from moderate to high) and the presence of folded clasts support this interpretation, despite the area being over 4 km into the hanging wall of the CLLDZ.

The area includes several favorable host rocks, a regional increase in strain, and evidence suggesting a possibly reactivated syn-volcanic fault, as well as the observed sulfidation and veining in some samples. However, no significant assays for precious or base metals or tracer elements were received. No further work is recommended in this area. Mapping to the east, onto claims held under option by Mr. J. Rapski, is recommended.

14.3.3.3. The "Squeeze"

This area was recognized as one of interest during map reinterpretation as it is believed to contain Tisdale volcanics along strike of those mapped as ultramafic and fuchsite-altered in 2023 at Eby Road West. These volcanics are interpreted to be located between the Round Lake Batholith and an Archean diorite-monzodiorite-granodiorite body. Additionally, a prominent magnetic high is associated with the southern contact of the intrusion.

The geology of the area is like that observed in the Eby Road West area and is likely an western extension of the same rock package. The area features intercalated basalts, mafic volcaniclastic rocks (including lapilli, crystal, and lithic tuffs/agglomerates), and gabbros. These rocks exhibit moderate to high strain along the edge of the intrusions, with a well-developed, sub-vertical penetrative foliation wrapping parallel to the intrusion contact. Strain decreases rapidly, over approximately one hundred meters, away from the contacts. Limited time was spent mapping the Round Lake Batholith, primarily to define its contacts. In contrast, the intrusion west of the Round Lake Batholith received more attention.

This intrusion is generally massive, unstrained, medium-grained syenite to K-feldspar granite. However, there are local complexities, including evidence of an early plagioclase porphyritic amphibolite with spherulitic amphiboles, crosscut by fine-grained felsic dykes. These dykes are further crosscut by a texturally similar, intermediate porphyritic phase, termed porphyritic syenite, and all are crosscut by a late, pegmatitic

quartz-feldspar phase. Although the LREE enrichment pattern of the dominant intrusive phase overlaps with Cairo Stock, the HREE, Nb vs Y and major elements display the typical signature of the Round Lake Batholith.

Despite the geological complexity of the area and the high strain nature of the host volcanics, no mineralization or alteration of note was observed. Local epidote, chlorite, and sericite may be metamorphic in origin. Trace to 2% pyrite was observed in mafic flows but was not regionally significant. Similarly, no significant assays were returned from the fifteen samples collected in the area. Therefore, no further work is recommended for this area.

14.3.3.4. Highway 66 Gneiss Area

Eight hundred meters north of Highway 66, an area of high-grade metamorphic rocks described in the field as 'gneissic' is wedged between the Round Lake Batholith and mafic to intermediate volcaniclastics. The darker gneiss bands trend E-W, coinciding with the general trend of the package of mafic volcanic flows and mafic to intermediate tuffs. Field observations also recognize felsic boudinaged dykes with chilled margins cross-cutting local E-W foliation. The presence of the gneissic texture suggests a deep stratigraphic level or relict root of highly metamorphosed gabbro or mafic volcanic that was affected and/or assimilated by the intrusion of felsic dykes potentially related to the Round Lake Batholith. The presence of two generations of dykes (deformed and relatively undeformed) suggest syn-post deformation emplacement. The samples in the area exhibited minimal to no mineralization (trace to 1% pyrite), and no significant assay results were obtained from the twenty-seven samples collected in the area. As a result, no further work is recommended in this location

15.0. Significance to Mineral Exploration

The 2024 surficial geology field campaign and LiDAR survey successfully identified key areas of interest, enhancing the understanding of the mineral prospectivity at Project Norris. The property features variably tholeiitic basalts and iron-rich sediments, which are favorable host rocks for gold mineralization. Additionally, multiple stages of magmatism have occurred on the property, with syn-Timiskaming alkalic intrusions dominating Norris West and similar dykes in Norris East. These intrusions are part of the same suite that hosts the Kirkland Lake and Young Davidson deposits. The recognition of Timiskaming sediments intruded by syenites and strongly deformed along secondary faults in the footwall of the interpreted Cadillac-Larder Lake Deformation Zone parallels the geology of the Kirkland Lake deposits. The presence of gold-bearing sheared host rocks, quartz veins, silicified and hematized host rocks, along with tracer elements commonly associated with Au in orogenic and intrusion-related systems shows strong potential for gold mineralization on the property.

Following Garcia's (2023) recommendations, the eastern part of the property was mapped and prospected in areas with accessible outcrops. Key indicators of mineralization observed during mapping include potential syn-volcanic faulting, banded iron or chert horizons suggesting shallow submarine settings, known VMS style showings (e.g., Lucky Irish), high-strain zones with quartz veining indicative of orogenic gold settings, and numerous alkalic intrusives similar to those in Kirkland Lake. However, no significant gold anomalies were found in this area, with the highest assay at 0.078 g/t. The distance from the interpreted trace of the Cadillac-Larder Lake Deformation Zone (up to 2 km), within the interpreted hanging wall, likely diminishes the orogenic gold potential in this portion of the property. Despite this, the presence of favorable intrusive suites, syn-seafloor alteration, and paleosurfaces indicates that other parts of the property remain prospective for both VMS and intrusion-related gold mineralization. Specifically, areas under option from J. Rapski, near the Cadillac-Larder Lake Deformation Zone, warrant further exploration in the 2025 field season.

In Norris West, mapping, prospecting, and till sampling have improved the understanding of several areas of interest. Glacial dispersal trains, aligned with the direction of ice flow, suggest that gold dispersal in the project area could be around five hundred–1000 meters (Averill, 2001; Bajc, 1997). LiDAR data indicates a dominant southerly ice flow, overprinting an earlier westerly flow. While the till grids in Norris West may not have been perfectly aligned with this combined flow vector, they were still designed to be perpendicular to the southerly flow direction, with sufficiently tight spacing (250 m east-west and 500 m north-south) to effectively screen the property. Follow-up infill sampling along a northwest trend could provide further insights into till dispersal, highlighting the value of early-stage LiDAR data in planning till grids and optimizing sampling locations.

Till sampling revealed several gold grain anomalies, defined both by the abundance of gold grains (> 20) and changes in grain morphology down-ice. Anomalies were more prevalent in the volcanic units than in the Cairo Stock, although they appear to correlate with the margins of the stock and known showings along east-west shears. Barrick's approach of collecting geochemical sub-samples provided additional context, revealing not only the presence of gold but also tracer elements that offer clues about the mineralizing system’s style and origin.

Mapping and prospecting in Norris West further refined the understanding of gold potential in this part of the property. Eight samples, including veins and volcanic rocks, returned assays between 0.1–0.61 g/t, while three samples returned higher grades of 0.923, 1.56, and 4.71 g/t Au. This suggests a more significant mineralization footprint in Norris West compared to Norris East. Mineralization appears to be controlled by high-strain zones trending NE-SW and E-W, sub-parallel to the interpreted Middleton Lake Fault—an important target for trenching and drilling in 2025. Till sampling and trench mapping indicate that rheological contrasts between the Cairo Stock, subordinate intrusives, mafic volcanics, and high-strain Timiskaming conglomerates likely control the emplacement of gold-bearing structures in the region, particularly along the eastern and southern margins of the Cairo Stock.

16.0. Summary and Recommendations

Barrick staff and external contractors conducted fieldwork on Project Norris in 2024, with a total of 197.5 person-days spent by Barrick employees on the property.

Till sampling was completed over Norris West as an initial screening for potential buried gold mineralization. A regional airborne LiDAR survey was completed to better understand the surficial geology of the property, to recognize potential outcrop and historic workings. Bedrock mapping and sampling across the property were conducted to collect geological data, including lithologic, structural, and alteration observations, in addition to bedrock samples. The observational data, combined with geochemical data, has enabled Barrick geologists to assess the geological framework of the property and evaluate its potential to host gold mineralization.

In Norris East, evidence suggests the potential for VMS style mineralization distal to the Cadillac-Larder Lake Deformation Zone, with increased potential for an orogenic overprint with proximity to through-going structures. However, limited gold anomalism was observed. Substantial portions of the property remain unassessed, and targeted prospecting, mapping, and sampling are recommended to further evaluate the mineral potential as a low-cost program.

In Norris West, both till and rock sampling have highlighted favorable target areas that merit additional work, including trenching and diamond drilling. Specifically, gold was associated with east-west striking structures that cut through the Cairo Stock and the host volcanics north of the Huronian cover, as well as with silicified and sericitized, high-strain volcanics and Timiskaming sediments to the south of the Cairo Stock. It is recommended that a drilling program to understand the geology beneath the Huronian cover be completed.

17.0. Statement of Costs

The major categories of costs incurred during this work program are summarized in Table 9. (Headcount summary in Appendix B and expenses and invoices are characterized in Appendix G & H). Work totaling $240,445.96 (CAD) in applicable

spending to be attributed towards assessment reporting was completed on the program in 2024.

Table 9. Summary of incurred expenses from the 2024 Project Norris field program.

2024 Expense Summary		
Cost Type	**Cost Sub-Type**	**Sub-Total**
Personnel	Labour - Staff	$ 84,661.50
	Labour - Contractors	$ 45,936.00
	Meal Allowance	$ 9,875.00
Logistics	Vehicle Rentals	$ 9,729.92
	Gasoline	$ 1,314.82
	Accomodations	$ 23,542.57
	Travel	$ 967.06
	Field Supplies & Printing	$ 1,857.23
	Sample Shipments	$ 358.34
Technical Studies	Assay Charges (ALS)	$ 24,121.65
	Gold Grain Counts (ODM)	$ 19,040.93
	LiDAR Survey (KBM)	$ 19,041.00
	Total ($ CAD):	**$ 240,445.96**
	Per Claim:	**$ 575.23**

18.0. Qualifications of Author

I, Jacob VanderWal, do hereby certify that:

1. I hold a Honours Bachelor of Science (2018) from Dalhousie University, Nova Scotia and a Master of Applied Science degree in Mineral Exploration (2021) from Laurentian University, Ontario.

2. I am a member of the Professional Geologists of Ontario (PGO, G.I.T. registration # 10933).

3. Barrick Gold Inc. currently employs me in the role of Senior Project Exploration Geologist, based in Sudbury, Ontario

4. I hold an active prospector's license (# 2002109)

5. I am responsible for the preparation of this report titled "Report on 2024 Field Program on Project Norris, Barrick Gold, Timiskaming District"

6. I have visited and worked on the property

Dated at Sudbury, Ontario, this 23rd day of March, 2025.

Jacob VanderWal, M.Sc., G.I.T. (10933)

Senior Project Exploration Geologist

(Signed)

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 Exploration Geologist, 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 Project Norris, Timiskaming District."

6. I have visited and worked on the Property.

Dated at Kingston, Ontario, this 23rd day of March, 2025.

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

Exploration Geologist

(Signed)

19.0. References

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20.0. Appendices

Appendix A - Claims List

Appendix B - Barrick Headcount

Appendix C - Mapping Stations, Sample Descriptions, Compiled Assays (Rock)

Appendix D - Mapping Stations, Sample Descriptions, Compiled Assays (Till)

Appendix E – ALS Laboratories Lab Certificates

Appendix F – Large Format Maps

Appendix G – Expenses Summary Tables

Appendix H – Invoices & Receipts

Appendix I – KBM Resources Group LiDAR Survey Report & Methodology

Appendix J – Overburden Drilling Management Results

Appendix K – Abbreviations

Appendix L – AFRI List

Appendix A - Claims List

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
102898	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
103318	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	1/9/2028	(100) BARRICK GOLD INC.	CAIRO
104552	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2025	(100) JOHN PETER RAPSKI	FLAVELLE
104553	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
105793	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
106261	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	GROSS
106539	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
106875	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
106876	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/3/2025	(100) JOHN PETER RAPSKI	FLAVELLE
106877	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/3/2025	(100) JOHN PETER RAPSKI	FLAVELLE
107618	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2028	(100) BARRICK GOLD INC.	FLAVELLE
109441	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/26/2028	(100) BARRICK GOLD INC.	FLAVELLE
114073	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
115029	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
115031	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
117399	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/31/2028	(100) BARRICK GOLD INC.	CAIRO
118193	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/14/2028	(100) BARRICK GOLD INC.	FLAVELLE
119281	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
119516	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/26/2028	(100) BARRICK GOLD INC.	FLAVELLE
124051	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2028	(100) BARRICK GOLD INC.	FLAVELLE
125857	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/2/2028	(100) BARRICK GOLD INC.	HOLMES
126025	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
127028	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
127220	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
127503	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
129722	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	1/18/2026	(100) JOHN PETER RAPSKI	FLAVELLE
131295	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
132741	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
133545	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
134860	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
134972	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	2/24/2026	(100) JOHN PETER RAPSKI	FLAVELLE
136937	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/19/2028	(100) BARRICK GOLD INC.	CAIRO
137219	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	FLAVELLE
138382	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	12/7/2028	(100) BARRICK GOLD INC.	FLAVELLE
140657	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
144715	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
144995	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
148191	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
155114	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/8/2026	(100) JOHN PETER RAPSKI	GROSS
155130	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/27/2026	(100) JOHN PETER RAPSKI	FLAVELLE
155244	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
156824	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	7/18/2026	(100) JOHN PETER RAPSKI	BURT
158678	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/31/2028	(100) BARRICK GOLD INC.	CAIRO

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
159619	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
159621	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
159655	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	1/18/2028	(100) BARRICK GOLD INC.	FLAVELLE
160696	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
160987	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
163251	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	7/28/2028	(100) BARRICK GOLD INC.	FLAVELLE
163485	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	FLAVELLE
165738	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
165937	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
165938	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
168932	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	7/28/2028	(100) BARRICK GOLD INC.	FLAVELLE
171724	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
172787	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
172788	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
172895	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	GROSS
173054	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2025	(100) JOHN PETER RAPSKI	FLAVELLE
174095	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
175312	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
175326	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/3/2025	(100) JOHN PETER RAPSKI	FLAVELLE
177961	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
178756	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
178757	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
179159	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
179578	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/22/2026	(100) JOHN PETER RAPSKI	FLAVELLE
180053	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	GROSS
180071	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	7/11/2028	(100) BARRICK GOLD INC.	FLAVELLE
184731	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
184732	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
184733	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
185178	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
185970	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	7/28/2028	(100) BARRICK GOLD INC.	FLAVELLE
186044	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/30/2025	(100) JOHN PETER RAPSKI	FLAVELLE
186800	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	5/27/2028	(100) BARRICK GOLD INC.	HOLMES
188930	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/5/2028	(100) BARRICK GOLD INC.	FLAVELLE
189057	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/11/2028	(100) BARRICK GOLD INC.	FLAVELLE
189115	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/14/2028	(100) BARRICK GOLD INC.	FLAVELLE
189135	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
190699	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
191086	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/22/2026	(100) JOHN PETER RAPSKI	FLAVELLE
191525	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
191526	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
191798	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/21/2028	(100) BARRICK GOLD INC.	FLAVELLE
193689	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
193690	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
193691	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
196026	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
199010	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	5/27/2028	(100) BARRICK GOLD INC.	ALMA
202141	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
203298	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/31/2028	(100) BARRICK GOLD INC.	ALMA
203665	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
208547	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2028	(100) BARRICK GOLD INC.	FLAVELLE
209170	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
209192	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
210209	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
210484	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	12/7/2028	(100) BARRICK GOLD INC.	FLAVELLE
210592	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/19/2026	(100) JOHN PETER RAPSKI	FLAVELLE
210593	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	FLAVELLE
211087	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2025	(100) JOHN PETER RAPSKI	GROSS
211088	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2025	(100) JOHN PETER RAPSKI	FLAVELLE
214062	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
214063	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
215582	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
216723	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2028	(100) BARRICK GOLD INC.	FLAVELLE
217127	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
218106	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
220009	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
222123	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/19/2026	(100) JOHN PETER RAPSKI	FLAVELLE
222897	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/14/2028	(100) BARRICK GOLD INC.	FLAVELLE
223041	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
224507	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
224508	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
226513	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
227808	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/26/2028	(100) BARRICK GOLD INC.	FLAVELLE
227971	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
228495	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/19/2028	(100) BARRICK GOLD INC.	FLAVELLE
229532	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
231024	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
232505	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
232656	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
237185	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/8/2026	(100) JOHN PETER RAPSKI	FLAVELLE
237594	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
239733	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2025	(100) JOHN PETER RAPSKI	FLAVELLE
239902	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/19/2026	(100) JOHN PETER RAPSKI	FLAVELLE
241801	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
241844	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2028	(100) BARRICK GOLD INC.	FLAVELLE
241845	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/5/2028	(100) BARRICK GOLD INC.	FLAVELLE

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
242051	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
243210	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
245202	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
245225	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	1/18/2028	(100) BARRICK GOLD INC.	FLAVELLE
245494	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
247409	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
247410	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
248203	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
248876	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/3/2025	(100) JOHN PETER RAPSKI	FLAVELLE
248877	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/3/2025	(100) JOHN PETER RAPSKI	FLAVELLE
249870	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
251552	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
252838	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
252839	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
254429	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	2/24/2026	(100) JOHN PETER RAPSKI	FLAVELLE
254797	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	12/16/2028	(100) BARRICK GOLD INC.	FLAVELLE
256436	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	5/2/2028	(100) BARRICK GOLD INC.	HOLMES
256714	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/27/2026	(100) JOHN PETER RAPSKI	FLAVELLE
257712	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	9/19/2028	(100) BARRICK GOLD INC.	CAIRO
257910	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
259220	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	12/7/2028	(100) BARRICK GOLD INC.	FLAVELLE
260360	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
260361	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/6/2026	(100) JOHN PETER RAPSKI	GROSS
261767	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/28/2028	(100) BARRICK GOLD INC.	FLAVELLE
265666	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	11/29/2028	(100) BARRICK GOLD INC.	FLAVELLE
265841	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	3/9/2026	(100) JOHN PETER RAPSKI	FLAVELLE
268628	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
269477	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
272328	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
273043	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/30/2025	(100) JOHN PETER RAPSKI	FLAVELLE
274235	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
274326	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/14/2028	(100) BARRICK GOLD INC.	FLAVELLE
274327	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
275623	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/21/2028	(100) BARRICK GOLD INC.	CAIRO
275672	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/26/2028	(100) BARRICK GOLD INC.	FLAVELLE
275880	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	FLAVELLE
276227	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
276715	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
276716	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
280557	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
281481	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/22/2026	(100) JOHN PETER RAPSKI	FLAVELLE
285870	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/8/2026	(100) JOHN PETER RAPSKI	GROSS
287690	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
287728	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
287731	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/21/2028	(100) BARRICK GOLD INC.	FLAVELLE
288286	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/19/2028	(100) BARRICK GOLD INC.	CAIRO
288826	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
288827	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
291540	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/31/2028	(100) BARRICK GOLD INC.	FLAVELLE
293138	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	5/4/2026	(100) JOHN PETER RAPSKI	GROSS
293729	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/31/2028	(100) BARRICK GOLD INC.	HOLMES
294502	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
294503	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/27/2026	(100) JOHN PETER RAPSKI	FLAVELLE
294504	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/27/2026	(100) JOHN PETER RAPSKI	FLAVELLE
295352	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
295575	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
299251	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
299252	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
300793	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
300794	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	6/23/2026	(100) JOHN PETER RAPSKI	BURT
302078	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
302815	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/31/2028	(100) BARRICK GOLD INC.	ALMA
306406	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	12/7/2028	(100) BARRICK GOLD INC.	FLAVELLE
307150	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	FLAVELLE
307556	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
308152	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/14/2028	(100) BARRICK GOLD INC.	FLAVELLE
309914	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
309915	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
310332	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/30/2025	(100) JOHN PETER RAPSKI	FLAVELLE
312386	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
312387	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
313442	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	4/4/2028	(100) BARRICK GOLD INC.	FLAVELLE
315419	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	7/28/2028	(100) BARRICK GOLD INC.	FLAVELLE
316349	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
316625	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
317536	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	7/28/2028	(100) BARRICK GOLD INC.	FLAVELLE
318733	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	9/29/2025	(100) JOHN PETER RAPSKI	FLAVELLE
319517	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	GROSS
320944	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	7/28/2028	(100) BARRICK GOLD INC.	FLAVELLE
323113	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/8/2026	(100) JOHN PETER RAPSKI	GROSS
324438	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
326284	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
326285	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/25/2025	(100) JOHN PETER RAPSKI	FLAVELLE
326286	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE
326484	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/22/2026	(100) JOHN PETER RAPSKI	FLAVELLE
328548	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/15/2026	(100) JOHN PETER RAPSKI	FLAVELLE

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
331683	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	2/20/2026	(100) JOHN PETER RAPSKI	FLAVELLE
332429	Boundary Cell Mining Claim	Active	4/10/2018	4/10/2018	8/26/2026	(100) JOHN PETER RAPSKI	FLAVELLE
334890	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	10/2/2025	(100) JOHN PETER RAPSKI	FLAVELLE
335181	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/22/2026	(100) JOHN PETER RAPSKI	FLAVELLE
337326	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/25/2026	(100) JOHN PETER RAPSKI	FLAVELLE
339639	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	1/18/2026	(100) JOHN PETER RAPSKI	FLAVELLE
340308	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	9/30/2025	(100) JOHN PETER RAPSKI	FLAVELLE
341192	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	3/9/2026	(100) JOHN PETER RAPSKI	FLAVELLE
344734	Single Cell Mining Claim	Active	4/10/2018	4/10/2018	8/14/2028	(100) BARRICK GOLD INC.	FLAVELLE
545886	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545887	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545888	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545889	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545890	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545891	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545892	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545893	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545894	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545895	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545896	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545897	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545898	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545899	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545900	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545901	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545902	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545903	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545904	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545905	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
545906	Single Cell Mining Claim	Active	3/17/2019	3/17/2019	3/17/2028	(100) BARRICK GOLD INC.	CAIRO
757285	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757286	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757287	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757288	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757289	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757290	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757291	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757292	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757293	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757294	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757295	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757296	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757297	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
757298	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757299	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757300	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757301	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757302	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757303	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757304	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757305	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757306	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757307	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757308	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757309	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757310	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757311	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757312	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757313	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757314	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757315	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757316	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757317	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757318	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757319	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757320	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757321	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757322	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757323	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757324	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	BURT
757325	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757326	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757327	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757328	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757329	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757330	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757331	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757332	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
757333	Single Cell Mining Claim	Active	11/16/2022	11/16/2022	11/16/2025	(100) BARRICK GOLD INC.	EBY
759016	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759017	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759018	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759019	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759020	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759021	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759022	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY

Appendix A. Claims List							
Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
759023	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759024	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759025	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759026	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759027	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759028	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759029	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759030	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
759031	Single Cell Mining Claim	Active	11/23/2022	11/23/2022	11/23/2025	(100) BARRICK GOLD INC.	EBY
813553	Single Cell Mining Claim	Active	4/6/2023	4/6/2023	4/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
813554	Single Cell Mining Claim	Active	4/6/2023	4/6/2023	4/6/2026	(100) JOHN PETER RAPSKI	FLAVELLE
822772	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822773	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822774	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822775	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822776	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822777	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822778	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822779	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822780	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822781	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822782	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822783	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822784	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822785	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822786	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BLAIN
822787	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822788	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822789	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822790	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822791	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822792	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822793	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822794	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BLAIN
822795	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822796	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822797	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822798	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822799	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	EBY
822800	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822801	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822802	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822803	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT

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Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
822804	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	EBY
822805	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822806	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822807	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822808	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822809	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	EBY
822810	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	EBY
822811	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822812	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822813	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822814	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822815	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822816	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BLAIN
822817	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822818	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822819	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822820	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822821	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822822	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822823	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822824	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822825	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822826	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822827	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822828	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822829	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822830	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822831	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822832	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	GROSS
822833	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822834	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
822835	Single Cell Mining Claim	Active	4/11/2023	4/11/2023	4/11/2026	(100) BARRICK GOLD INC.	BURT
829610	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	FLAVELLE
829611	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	FLAVELLE
829615	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	GROSS
829616	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	GROSS
829617	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	GROSS
829618	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	GROSS
829619	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	GROSS
829620	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	FLAVELLE
829621	Single Cell Mining Claim	Active	4/29/2023	4/29/2023	4/29/2026	(100) JOHN PETER RAPSKI	FLAVELLE
841572	Multi-cell Mining Claim	Active	6/26/2023	6/26/2023	6/26/2026	(100) BARRICK GOLD INC.	GROSS
841577	Multi-cell Mining Claim	Active	6/26/2023	6/26/2023	6/26/2026	(100) BARRICK GOLD INC.	GROSS

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Tenure ID	Tenure Type	Tenure Status	Issued Date	Anniversary Date	Due Date (MM/DD/YYYY)	Tenure Holder	Township
846049	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846050	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846051	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846052	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846053	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846054	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846055	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846056	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846057	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
846058	Single Cell Mining Claim	Active	7/14/2023	7/14/2023	7/14/2026	(100) JOHN PETER RAPSKI	FLAVELLE
851972	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
851973	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
851974	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
851975	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
851976	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
851977	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
851978	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
851979	Single Cell Mining Claim	Active	8/11/2023	8/11/2023	8/11/2026	(100) JOHN PETER RAPSKI	GROSS
869325	Single Cell Mining Claim	Active	12/2/2023	12/2/2023	12/2/2025	(100) BARRICK GOLD INC.	HOLMES
869326	Single Cell Mining Claim	Active	12/2/2023	12/2/2023	12/2/2025	(100) BARRICK GOLD INC.	HOLMES
879161	Single Cell Mining Claim	Active	2/2/2024	2/2/2024	2/2/2026	(100) JOHN PETER RAPSKI	FLAVELLE
879162	Single Cell Mining Claim	Active	2/2/2024	2/2/2024	2/2/2026	(100) JOHN PETER RAPSKI	FLAVELLE
879163	Single Cell Mining Claim	Active	2/2/2024	2/2/2024	2/2/2026	(100) JOHN PETER RAPSKI	FLAVELLE
879164	Single Cell Mining Claim	Active	2/2/2024	2/2/2024	2/2/2026	(100) JOHN PETER RAPSKI	FLAVELLE
881789	Single Cell Mining Claim	Active	3/1/2024	3/1/2024	3/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
881790	Single Cell Mining Claim	Active	3/1/2024	3/1/2024	3/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
881794	Single Cell Mining Claim	Active	3/1/2024	3/1/2024	3/1/2026	(100) JOHN PETER RAPSKI	FLAVELLE
890108	Single Cell Mining Claim	Active	5/16/2024	5/16/2024	5/16/2026	(100) BARRICK GOLD INC.	CAIRO
890109	Single Cell Mining Claim	Active	5/16/2024	5/16/2024	5/16/2026	(100) BARRICK GOLD INC.	CAIRO
890110	Single Cell Mining Claim	Active	5/16/2024	5/16/2024	5/16/2026	(100) BARRICK GOLD INC.	CAIRO
890111	Single Cell Mining Claim	Active	5/16/2024	5/16/2024	5/16/2026	(100) BARRICK GOLD INC.	CAIRO
890112	Single Cell Mining Claim	Active	5/16/2024	5/16/2024	5/16/2026	(100) BARRICK GOLD INC.	CAIRO
890113	Single Cell Mining Claim	Active	5/16/2024	5/16/2024	5/16/2026	(100) BARRICK GOLD INC.	CAIRO

Appendix B - Barrick Headcount

Appendix B. - Headcount							
Name	**May**	**July**	**August**	**October**	**November**	**2024**	**2025**
	Days	**Days**	**Days**	**Days**	**Days**	**Days**	**Report**
Bedeaux, Pierre	6		3			9	
Hua, Brian	21					21	
Houle, Simon	7	3				10	
VanderWal, Jacob	17	1	12	3	3	36	5
Vrzovski, Joseph	8		8			16	
Gelinas, Brigitte			4			4	
Hunt, Leslie				3		3	
Stock, Liz	9					9	
Aneddame, Aimad					2.5	2.5	
Roberts, Emma	21				3	24	
Garcia, Daniela	21		6			27	
Minty, Jade	15					15	
Raeggler, Jaeden	21					21	
Barrick Staff (Total)	68	4	27	6	5.5	110.5	5
Barrick Contractors (Total)	78	0	6	0	3	87	0
Barrick *(All Personnel)*	**146**	**4**	**33**	**6**	**8.5**	**197.5**	5

Appendix C - Mapping Stations, Sample Descriptions, Compiled Assays (Rock)

Appendix C. - Station Details

Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24JR001	Jaeden Reggler	556909	5321339		NAD83 Zone 17N	5/11/2024	No		Outcrop
NORR24JR002	Jaeden Reggler	556918	5321344		NAD83 Zone 17N	5/11/2024	No		Outcrop
NORR24JR003	Jaeden Reggler	556914	5321318		NAD83 Zone 17N	5/11/2024	No		Outcrop
NORR24JR007	Jaeden Reggler	554429	5317412	309	NAD83 Zone 17N	5/11/2024	No		Outcrop
NORR24JR008	Jaeden Reggler	554431	5317411	312	NAD83 Zone 17N	5/11/2024	No		Outcrop
NORR24DG001	Daniela Garcia Ramos	549299	5317203	306	NAD83 Zone 17N	5/12/2024	Yes	K518151	Boulder
NORR24DG002	Daniela Garcia Ramos	548230	5317446	303	NAD83 Zone 17N	5/12/2024	Yes	K518152	Boulder
NORR24DG003	Daniela Garcia Ramos	549105	5317081	308	NAD83 Zone 17N	5/12/2024	Yes	K518153	Boulder
NORR24JR009	Jaeden Reggler	551780	5321452	319	NAD83 Zone 17N	5/12/2024	Yes	K518202	Outcrop
NORR24JZ001	Jacob VanderWal	551802	5321616		NAD83 Zone 17N	5/12/2024	Yes	K518051	Outcrop
NORR24JZ002	Jacob VanderWal	551791	5321446	316	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24JZ003	Jacob VanderWal	551725	5321426	327	NAD83 Zone 17N	5/12/2024	Yes	K518203	Outcrop
NORR24JZ004	Jacob VanderWal	551698	5321352	324	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24JZ005	Jacob VanderWal	551585	5321311	328	NAD83 Zone 17N	5/12/2024	Yes	K518052	Outcrop
NORR24JZ006	Jacob VanderWal	551548	5321127	340	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24JZ007	Jacob VanderWal	551564	5321147	336	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24JZ008	Jacob VanderWal	551639	5321062	333	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24JZ009	Jacob VanderWal	551735	5321069	327	NAD83 Zone 17N	5/12/2024	Yes	K518204	Outcrop
NORR24JZ010	Jacob VanderWal	551835	5321063	321	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24JZ011	Jacob VanderWal	551831	5321071	322	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24JZ012	Jacob VanderWal	551872	5321018	307	NAD83 Zone 17N	5/12/2024	No		Outcrop
NORR24BH001	Brian Hua	549110	5318451	312	NAD83 Zone 17N	5/13/2024	Yes	K518154	Outcrop
NORR24BH002	Brian Hua	549110	5318453	314	NAD83 Zone 17N	5/13/2024	Yes	K518155	Outcrop
NORR24BH003	Brian Hua	549132	5318414	316	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24BH004	Brian Hua	549164	5318368	314	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24BH005	Brian Hua	549377	5317930	273	NAD83 Zone 17N	5/13/2024	Yes	K518159	Outcrop
NORR24BH006	Brian Hua	549397	5317941	287	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24DG004	Daniela Garcia Ramos	549247	5318241	323	NAD83 Zone 17N	5/13/2024	Yes	K518157	Outcrop
NORR24DG005	Daniela Garcia Ramos	549248	5318239	326	NAD83 Zone 17N	5/13/2024	Yes	K518158	Outcrop
NORR24DG006	Daniela Garcia Ramos	549645	5317960	292	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24DG008	Daniela Garcia Ramos	549648	5318029	310	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24DG009	Daniela Garcia Ramos	549659	5318119	299	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24DG010	Daniela Garcia Ramos	549623	5318361	326	NAD83 Zone 17N	5/13/2024	Yes	K518161	Outcrop
NORR24DG011	Daniela Garcia Ramos	549576	5318518	322	NAD83 Zone 17N	5/13/2024	Yes	K518162	Outcrop
NORR24DG012	Daniela Garcia Ramos	549487	5318324	320	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24DG013	Daniela Garcia Ramos	549440	5318134	268	NAD83 Zone 17N	5/13/2024	Yes	K518001	Outcrop

Appendix C. - Station Details

Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24DG014	Daniela Garcia Ramos	549442	5318175	312	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24ER002	Emma Roberts	556961	5322371	324	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24ER003	Emma Roberts	557065	5322232	336	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24ER004	Emma Roberts	557064	5322231	336	NAD83 Zone 17N	5/13/2024	Yes	K518207	Outcrop
NORR24ER005	Emma Roberts	557033	5322141	329	NAD83 Zone 17N	5/13/2024	Yes	K518208	Outcrop
NORR24ER006	Emma Roberts	556972	5322073	324	NAD83 Zone 17N	5/13/2024	Yes	K518209	Outcrop
NORR24ER007	Emma Roberts	556719	5321876	310	NAD83 Zone 17N	5/13/2024	Yes	K518213	Outcrop
NORR24ER008	Emma Roberts	556543	5322535	308	NAD83 Zone 17N	5/13/2024	Yes	K518215	Outcrop
NORR24JZ013	Jacob VanderWal	556980	5322439	325	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ014	Jacob VanderWal	556991	5322398	331	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ015	Jacob VanderWal	556962	5322378	330	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ016	Jacob VanderWal	557023	5322330	331	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ017	Jacob VanderWal	557053	5322311	340	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ018	Jacob VanderWal	557075	5322298	343	NAD83 Zone 17N	5/13/2024	Yes	K518205	Outcrop
NORR24JZ019	Jacob VanderWal	557055	5322258	343	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ020	Jacob VanderWal	557063	5322239	339	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ021	Jacob VanderWal	557069	5322234	337	NAD83 Zone 17N	5/13/2024	Yes	K518206	Outcrop
NORR24JZ022	Jacob VanderWal	557062	5322226	335	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ023	Jacob VanderWal	557048	5322184	334	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ024	Jacob VanderWal	557042	5322145	337	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ025	Jacob VanderWal	556995	5322132		NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ026	Jacob VanderWal	556994	5322075	332	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ028	Jacob VanderWal	557004	5321948	311	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ029	Jacob VanderWal	556888	5321845	304	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ030	Jacob VanderWal	556729	5321869	307	NAD83 Zone 17N	5/13/2024	Yes	K518212	Outcrop
NORR24JZ031	Jacob VanderWal	556689	5322105	322	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ032	Jacob VanderWal	556659	5322185		NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ033	Jacob VanderWal	556615	5322232	319	NAD83 Zone 17N	5/13/2024	Yes	K518214	Outcrop
NORR24JZ034	Jacob VanderWal	556539	5322550	316	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ035	Jacob VanderWal	556778	5322496	310	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ036	Jacob VanderWal	556952	5322599	319	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JZ037	Jacob VanderWal	557035	5322602	325	NAD83 Zone 17N	5/13/2024	No		Outcrop
NORR24JR011	Jaeden Reggler	549379	5319035	316	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JR012	Jaeden Reggler	549489	5318935	330	NAD83 Zone 17N	5/14/2024	Yes	K518002	Outcrop
NORR24JR013	Jaeden Reggler	549480	5318887	334	NAD83 Zone 17N	5/14/2024	Yes	K518003	Outcrop
NORR24JR014	Jaeden Reggler	549413	5318853	322	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JR015	Jaeden Reggler	549472	5318764	323	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JR016	Jaeden Reggler	549493	5318705	335	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JR017	Jaeden Reggler	549490	5318653	321	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JR018	Jaeden Reggler	549424	5318328	328	NAD83 Zone 17N	5/14/2024	Yes	K518164	Outcrop
NORR24JR019	Jaeden Reggler	549399	5318307	336	NAD83 Zone 17N	5/14/2024	Yes	K518166	Outcrop

Appendix C. - Station Details

Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24JR020	Jaeden Reggler	549405	5318309	336	NAD83 Zone 17N	5/14/2024	Yes	K518167	Outcrop
NORR24JR021	Jaeden Reggler	549406	5318307		NAD83 Zone 17N	5/14/2024	Yes	K518168	Outcrop
NORR24JR022	Jaeden Reggler	549401	5318307	331	NAD83 Zone 17N	5/14/2024	Yes	K518169	Outcrop
NORR24JR023	Jaeden Reggler	549401	5318305	331	NAD83 Zone 17N	5/14/2024	Yes	K518170	Outcrop
NORR24JR024	Jaeden Reggler	549399	5318306	331	NAD83 Zone 17N	5/14/2024	Yes	K518171	Outcrop
NORR24JR025	Jaeden Reggler	549397	5318306	331	NAD83 Zone 17N	5/14/2024	Yes	K518172	Outcrop
NORR24JR026	Jaeden Reggler	549397	5318305	330	NAD83 Zone 17N	5/14/2024	Yes	K518173	Outcrop
NORR24JR027	Jaeden Reggler	549397	5318306	330	NAD83 Zone 17N	5/14/2024	Yes	K518175	Outcrop
NORR24JZ038	Jacob VanderWal	557086	5323043	337	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ039	Jacob VanderWal	557098	5323023	334	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ040	Jacob VanderWal	557128	5322971		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ041	Jacob VanderWal	557255	5322757	332	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ042	Jacob VanderWal	557229	5322703	326	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ043	Jacob VanderWal	557221	5322677	328	NAD83 Zone 17N	5/14/2024	Yes	K518216	Outcrop
NORR24JZ045	Jacob VanderWal	557223	5322665	326	NAD83 Zone 17N	5/14/2024	Yes	K518218	Outcrop
NORR24JZ046	Jacob VanderWal	557234	5322617	327	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ047	Jacob VanderWal	557196	5322606	328	NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ048	Jacob VanderWal	557058	5322447	325	NAD83 Zone 17N	5/14/2024	Yes	K518219	Subcrop
NORR24JZ049	Jacob VanderWal	558090	5323076		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ050	Jacob VanderWal	558108	5323021		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ051	Jacob VanderWal	558098	5322979		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ052	Jacob VanderWal	558113	5322959		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ053	Jacob VanderWal	558119	5322908		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ054	Jacob VanderWal	558119	5322908		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24JZ055	Jacob VanderWal	558168	5322711		NAD83 Zone 17N	5/14/2024	No		Outcrop
NORR24BH007	Brian Hua	549426	5318234	328	NAD83 Zone 17N	5/17/2024	Yes	K518178	Outcrop
NORR24JV001	Joey Vrzovski	549430	5318245	332	NAD83 Zone 17N	5/17/2024	Yes	K518177	Outcrop
NORR24LS001	Liz Stock	554112	5317996	335	NAD83 Zone 17N	5/19/2024	Yes	K518221	Outcrop
NORR24LS002	Liz Stock	554112	5317994	339	NAD83 Zone 17N	5/19/2024	Yes	K518222	Outcrop
NORR24LS003	Liz Stock	554113	5317995		NAD83 Zone 17N	5/19/2024	Yes	K518223	Outcrop
NORR24LS004	Liz Stock	554057	5318184	353	NAD83 Zone 17N	5/19/2024	Yes	K518224	Outcrop
NORR24LS005	Liz Stock	554027	5318109	339	NAD83 Zone 17N	5/19/2024	Yes	K518225	Outcrop
NORR24LS006	Liz Stock	554056	5318016	330	NAD83 Zone 17N	5/19/2024	No		Outcrop
NORR24LS007	Liz Stock	554152	5318031	324	NAD83 Zone 17N	5/19/2024	Yes	K518226	Outcrop
NORR24LS008	Liz Stock	554153	5318031	324	NAD83 Zone 17N	5/19/2024	Yes	K518004	Outcrop
NORR24LS009	Liz Stock	554330	5318101	329	NAD83 Zone 17N	5/19/2024	Yes	K518227	Outcrop
NORR24LS010	Liz Stock	554419	5318090	328	NAD83 Zone 17N	5/19/2024	Yes	K518228	Outcrop
NORR24LS011	Liz Stock	554491	5318008	331	NAD83 Zone 17N	5/19/2024	Yes	K518229	Outcrop
NORR24DG007	Daniela Garcia Ramos	549650	5317995	308	NAD83 Zone 17N	5/20/2024	Yes	K518160	Outcrop
NORR24ER001	Emma Roberts	551804	5321617	329	NAD83 Zone 17N	5/20/2024	Yes	K518201	Outcrop
NORR24JR010	Jaeden Reggler	551699	5321398	319	NAD83 Zone 17N	5/20/2024	No		Outcrop
NORR24JZ044	Jacob VanderWal	557221	5322675	327	NAD83 Zone 17N	5/20/2024	Yes	K518217	Boulder
NORR24DG019	Daniela Garcia Ramos	554479	5319069		NAD83 Zone 17N	5/21/2024	Yes	K518101	Outcrop
NORR24DG020	Daniela Garcia Ramos	554490	5318925	324	NAD83 Zone 17N	5/21/2024	Yes	K518251	Outcrop

Appendix C. - Station Details

Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24DG021	Daniela Garcia Ramos	554490	5318926	331	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG022	Daniela Garcia Ramos	554463	5318900	332	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG023	Daniela Garcia Ramos	554429	5318873	332	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG024	Daniela Garcia Ramos	554396	5318849	338	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG025	Daniela Garcia Ramos	554346	5318759		NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG026	Daniela Garcia Ramos	554327	5318708	330	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG027	Daniela Garcia Ramos	554328	5318709	328	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG028	Daniela Garcia Ramos	554292	5318693	328	NAD83 Zone 17N	5/21/2024	Yes	K518252	Outcrop
NORR24DG029	Daniela Garcia Ramos	554257	5318553	334	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG030	Daniela Garcia Ramos	554272	5318516		NAD83 Zone 17N	5/21/2024	Yes	K518253	Outcrop
NORR24DG031	Daniela Garcia Ramos	554287	5318492	337	NAD83 Zone 17N	5/21/2024	Yes	K518254	Outcrop
NORR24DG032	Daniela Garcia Ramos	554291	5318489	337	NAD83 Zone 17N	5/21/2024	Yes	K518102	Outcrop
NORR24DG033	Daniela Garcia Ramos	554142	5318494	337	NAD83 Zone 17N	5/21/2024	Yes	K518103	Outcrop
NORR24DG034	Daniela Garcia Ramos	554130	5318614	340	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG035	Daniela Garcia Ramos	554147	5318675	338	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG036	Daniela Garcia Ramos	554115	5318787	341	NAD83 Zone 17N	5/21/2024	Yes	K518104	Outcrop
NORR24DG037	Daniela Garcia Ramos	554108	5318870	341	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG038	Daniela Garcia Ramos	554140	5318898	341	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG039	Daniela Garcia Ramos	554296	5318950	337	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG040	Daniela Garcia Ramos	554344	5318952	336	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24DG041	Daniela Garcia Ramos	554334	5318982	339	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24LS013	Liz Stock	554163	5318166	345	NAD83 Zone 17N	5/21/2024	Yes	K518179	Outcrop
NORR24LS014	Liz Stock	554254	5318229	342	NAD83 Zone 17N	5/21/2024	Yes	K518181	Outcrop
NORR24LS015	Liz Stock	554255	5318230	343	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24LS016	Liz Stock	554252	5318280		NAD83 Zone 17N	5/21/2024	Yes	K518182	Outcrop
NORR24LS017	Liz Stock	554181	5318266	344	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24LS018	Liz Stock	554143	5318243	342	NAD83 Zone 17N	5/21/2024	Yes	K518183	Outcrop
NORR24LS019	Liz Stock	554118	5318261	346	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24LS020	Liz Stock	554112	5318269	345	NAD83 Zone 17N	5/21/2024	Yes	K518184	Outcrop
NORR24LS021	Liz Stock	554113	5318268	345	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24LS022	Liz Stock	554024	5318247	344	NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24LS023	Liz Stock	553969	5318274		NAD83 Zone 17N	5/21/2024	Yes	K518185	Outcrop
NORR24LS024	Liz Stock	553952	5318139		NAD83 Zone 17N	5/21/2024	No		Outcrop
NORR24LS025	Liz Stock	553984	5318049		NAD83 Zone 17N	5/21/2024	Yes	K518186	Outcrop
NORR24LS026	Liz Stock	553987	5318047		NAD83 Zone 17N	5/21/2024	Yes	K518187	Outcrop
NORR24LS027	Liz Stock	553989	5318052		NAD83 Zone 17N	5/21/2024	Yes	K518188	Outcrop
NORR24JZ027	Jacob VanderWal	556980	5322072	321	NAD83 Zone 17N	5/24/2024	Yes	K518211	Outcrop
NORR24JZ056	Jacob VanderWal	542815	5315788		NAD83 Zone 17N	5/24/2024	Yes	K518053	Outcrop
NORR24JZ057	Jacob VanderWal	542814	5315786		NAD83 Zone 17N	5/24/2024	Yes	K518054	Outcrop
NORR24JZ058	Jacob VanderWal	542969	5315717		NAD83 Zone 17N	5/24/2024	Yes	K518055	Subcrop
NORR24JM001	Jade Minty	549436	5318275	334	NAD83 Zone 17N	5/25/2024	Yes	K518057	Boulder
NORR24JM002	Jade Minty	549434	5318276	334	NAD83 Zone 17N	5/25/2024	Yes	K518058	Trench
NORR24JM003	Jade Minty	549434	5318276	333	NAD83 Zone 17N	5/25/2024	Yes	K518059	Trench

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Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24DG015	Daniela Garcia Ramos	549431	5318243	327	NAD83 Zone 17N	5/26/2024	Yes	K518176	Outcrop
NORR24JM004	Jade Minty	551775	5321369	320	NAD83 Zone 17N	5/26/2024	Yes	K518701	Outcrop
NORR24JM005	Jade Minty	551670	5321066	332	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM006	Jade Minty	551698	5320995	329	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM007	Jade Minty	551697	5320995	329	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM008	Jade Minty	551695	5320994	326	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM010	Jade Minty	551668	5320874	326	NAD83 Zone 17N	5/26/2024	Yes	K518751	Outcrop
NORR24JM011	Jade Minty	551669	5320875	332	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM012	Jade Minty	551673	5320731	333	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM013	Jade Minty	551673	5320730	333	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM014	Jade Minty	551605	5320623	337	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JM015	Jade Minty	551633	5320514	338	NAD83 Zone 17N	5/26/2024	Yes	K518703	Outcrop
NORR24JM016	Jade Minty	551807	5320582	327	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ059	Jacob VanderWal	551823	5321539	323	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ060	Jacob VanderWal	551740	5321375		NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ061	Jacob VanderWal	551741	5321376	333	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ062	Jacob VanderWal	551742	5321379	336	NAD83 Zone 17N	5/26/2024	Yes	K518060	Outcrop
NORR24JZ063	Jacob VanderWal	551672	5321154	338	NAD83 Zone 17N	5/26/2024	Yes	K518061	Outcrop
NORR24JZ064	Jacob VanderWal	551561	5321005	331	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ065	Jacob VanderWal	551407	5320941	337	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ066	Jacob VanderWal	551347	5320705	346	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ067	Jacob VanderWal	551318	5320656	345	NAD83 Zone 17N	5/26/2024	Yes	K518062	Outcrop
NORR24JZ068	Jacob VanderWal	551182	5320541	341	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ069	Jacob VanderWal	551182	5320542	339	NAD83 Zone 17N	5/26/2024	Yes	K518063	Outcrop
NORR24JZ070	Jacob VanderWal	550933	5320621	359	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ071	Jacob VanderWal	550921	5320730	355	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ072	Jacob VanderWal	550900	5320780	346	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ073	Jacob VanderWal	551106	5320940	339	NAD83 Zone 17N	5/26/2024	Yes	K518065	Outcrop
NORR24JZ074	Jacob VanderWal	551111	5320942	337	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ075	Jacob VanderWal	551110	5320944	339	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ076	Jacob VanderWal	551154	5321014	337	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ077	Jacob VanderWal	551157	5321015	337	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ078	Jacob VanderWal	551294	5321169	341	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24JZ079	Jacob VanderWal	551417	5321291	343	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24PB001	Pierre Bedeaux	549432	5318278	332	NAD83 Zone 17N	5/26/2024	Yes	K518301	Trench
NORR24PB002	Pierre Bedeaux	549421	5318271	335	NAD83 Zone 17N	5/26/2024	Yes	K518302	Outcrop
NORR24PB003	Pierre Bedeaux	549412	5318266	330	NAD83 Zone 17N	5/26/2024	Yes	K518303	Outcrop
NORR24PB004	Pierre Bedeaux	549425	5318297	332	NAD83 Zone 17N	5/26/2024	Yes	K518304	Outcrop
NORR24PB005	Pierre Bedeaux	549432	5318304	335	NAD83 Zone 17N	5/26/2024	Yes	K518305	Outcrop
NORR24PB006	Pierre Bedeaux	549533	5318198		NAD83 Zone 17N	5/26/2024	Yes	K518306	Outcrop
NORR24PB007	Pierre Bedeaux	549540	5318194	333	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24PB008	Pierre Bedeaux	549615	5318207	333	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24PB009	Pierre Bedeaux	549612	5318197	337	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24PB010	Pierre Bedeaux	549698	5318242	327	NAD83 Zone 17N	5/26/2024	Yes	K518307	Outcrop
NORR24PB011	Pierre Bedeaux	549699	5318240	332	NAD83 Zone 17N	5/26/2024	No		Outcrop
NORR24PB012	Pierre Bedeaux	549583	5318279	319	NAD83 Zone 17N	5/26/2024	No		Outcrop

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Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24DG016	Daniela Garcia Ramos	549502	5318165		NAD83 Zone 17N	5/27/2024	Yes	K518163	Outcrop
NORR24JZ059	Jacob VanderWal	523119	5310429		NAD83 Zone 17N	5/27/2024	Yes	K518706	Outcrop
NORR24JZ060	Jacob VanderWal	523120	5310428		NAD83 Zone 17N	5/27/2024	Yes	K518704	Outcrop
NORR24JZ061	Jacob VanderWal	549430	5318285		NAD83 Zone 17N	5/27/2024	Yes	K518707	Trench
NORR24JM017	Jade Minty	549431	5318297		NAD83 Zone 17N	5/28/2024	Yes	K518308	Outcrop
NORR24JM018	Jade Minty	549426	5318319	332	NAD83 Zone 17N	5/28/2024	Yes	K518309	Outcrop
NORR24JM019	Jade Minty	549430	5318315	334	NAD83 Zone 17N	5/28/2024	Yes	K518310	Outcrop
NORR24JM020	Jade Minty	549430	5318315	334	NAD83 Zone 17N	5/28/2024	Yes	K518312	Outcrop
NORR24JM021	Jade Minty	549429	5318316	334	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JM022	Jade Minty	549450	5318308	329	NAD83 Zone 17N	5/28/2024	Yes	K518313	Outcrop
NORR24JM023	Jade Minty	549547	5318204	330	NAD83 Zone 17N	5/28/2024	Yes	K518314	Outcrop
NORR24JM024	Jade Minty	549594	5318252	332	NAD83 Zone 17N	5/28/2024	Yes	K518315	Outcrop
NORR24JM025	Jade Minty	549576	5318254	336	NAD83 Zone 17N	5/28/2024	Yes	K518317	Outcrop
NORR24JM026	Jade Minty	549574	5318254	332	NAD83 Zone 17N	5/28/2024	Yes	K518318	Outcrop
NORR24JM027	Jade Minty	549580	5318277	328	NAD83 Zone 17N	5/28/2024	Yes	K518319	Outcrop
NORR24JM028	Jade Minty	549584	5318276	330	NAD83 Zone 17N	5/28/2024	Yes	K518320	Outcrop
NORR24JM029	Jade Minty	549581	5318276	328	NAD83 Zone 17N	5/28/2024	Yes	K518322	Outcrop
NORR24JM030	Jade Minty	549580	5318277	330	NAD83 Zone 17N	5/28/2024	Yes	K518321	Outcrop
NORR24JM031	Jade Minty	549580	5318277	330	NAD83 Zone 17N	5/28/2024	Yes	K518323	Outcrop
NORR24JR031	Jaeden Reggler	549980	5318562	338	NAD83 Zone 17N	5/28/2024	Yes	K518189	Outcrop
NORR24JR032	Jaeden Reggler	549932	5318581	336	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JR033	Jaeden Reggler	549831	5318642	332	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JR034	Jaeden Reggler	549915	5318659	337	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JR035	Jaeden Reggler	550102	5318680	345	NAD83 Zone 17N	5/28/2024	Yes	K518190	Outcrop
NORR24JR036	Jaeden Reggler	550202	5318693	338	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JR037	Jaeden Reggler	550280	5318703	338	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JR038	Jaeden Reggler	550271	5318665	343	NAD83 Zone 17N	5/28/2024	Yes	K518191	Outcrop
NORR24JR039	Jaeden Reggler	550193	5318593	334	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JR040	Jaeden Reggler	550066	5318573	339	NAD83 Zone 17N	5/28/2024	Yes	K518192	Outcrop
NORR24JR041	Jaeden Reggler	550236	5318510	336	NAD83 Zone 17N	5/28/2024	No		Outcrop
NORR24JR043	Jaeden Reggler	549584	5318313	328	NAD83 Zone 17N	5/28/2024	Yes	K518194	Other
NORR24DG042	Daniela Garcia Ramos	557023	5322557	321	NAD83 Zone 17N	5/29/2024	Yes	K518324	Outcrop
NORR24DG043	Daniela Garcia Ramos	557154	5322572	328	NAD83 Zone 17N	5/29/2024	No		Outcrop
NORR24DG044	Daniela Garcia Ramos	557223	5322525	336	NAD83 Zone 17N	5/29/2024	No		Outcrop
NORR24DG045	Daniela Garcia Ramos	557300	5322508	334	NAD83 Zone 17N	5/29/2024	Yes	K518325	Outcrop
NORR24DG046	Daniela Garcia Ramos	557303	5322504	333	NAD83 Zone 17N	5/29/2024	Yes	K518326	Outcrop
NORR24DG047	Daniela Garcia Ramos	557244	5322479	342	NAD83 Zone 17N	5/29/2024	No		Outcrop
NORR24DG048	Daniela Garcia Ramos	557253	5322402	345	NAD83 Zone 17N	5/29/2024	No		Outcrop
NORR24DG049	Daniela Garcia Ramos	557224	5322335	340	NAD83 Zone 17N	5/29/2024	No		Outcrop
NORR24DG050	Daniela Garcia Ramos	557180	5322388	329	NAD83 Zone 17N	5/29/2024	Yes	K518327	Outcrop
NORR24DG051	Daniela Garcia Ramos	557159	5322402	327	NAD83 Zone 17N	5/29/2024	Yes	K518328	Subcrop
NORR24DG052	Daniela Garcia Ramos	557156	5322404	329	NAD83 Zone 17N	5/29/2024	Yes	K518329	Subcrop
NORR24DG053	Daniela Garcia Ramos	557157	5322403	329	NAD83 Zone 17N	5/29/2024	Yes	K518331	Outcrop

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Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24DG054	Daniela Garcia Ramos	557157	5322402		NAD83 Zone 17N	5/29/2024	Yes	K518332	Outcrop
NORR24JM032	Jade Minty	540416	5321481		NAD83 Zone 17N	5/29/2024	Yes	K518066	Outcrop
NORR24JM033	Jade Minty	540416	5321481		NAD83 Zone 17N	5/29/2024	Yes	K518067	Outcrop
NORR24JM034	Jade Minty	540410	5321487		NAD83 Zone 17N	5/29/2024	Yes	K518231	Outcrop
NORR24JM035	Jade Minty	540410	5321474		NAD83 Zone 17N	5/29/2024	Yes	K518232	Outcrop
NORR24JM009	Jade Minty	551697	5320995	326	NAD83 Zone 17N	6/12/2024	Yes	K518702	Outcrop
NORR24JR042	Jaeden Reggler	550239	5318517	332	NAD83 Zone 17N	6/12/2024	Yes	K518193	Outcrop
NORR24JZ001	Jacob VanderWal	537034	5316398		NAD83 Zone 17N	8/17/2024	Yes	K518708	Outcrop
NORR24JZ002	Jacob VanderWal	537042	5316497	351	NAD83 Zone 17N	8/17/2024	No		Outcrop
NORR24JZ003	Jacob VanderWal	537070	5316475	351	NAD83 Zone 17N	8/17/2024	Yes	K518709	Outcrop
NORR24JZ004	Jacob VanderWal	537070	5316463	344	NAD83 Zone 17N	8/17/2024	Yes	K518710	Outcrop
NORR24JZ005	Jacob VanderWal	536981	5316538	347	NAD83 Zone 17N	8/17/2024	Yes	K518711	Outcrop
NORR24JZ006	Jacob VanderWal	536899	5316604	330	NAD83 Zone 17N	8/17/2024	Yes	K518713	Outcrop
NORR24JZ007	Jacob VanderWal	536851	5316639	332	NAD83 Zone 17N	8/17/2024	Yes	K518716	Outcrop
NORR24JZ009	Jacob VanderWal	537056	5316451	351	NAD83 Zone 17N	8/17/2024	Yes	K518719	Outcrop
NORR24JZ010	Jacob VanderWal	537342	5316498	335	NAD83 Zone 17N	8/17/2024	No		Outcrop
NORR24PB013	Pierre Bedeaux	536992	5316562	345	NAD83 Zone 17N	8/17/2024	Yes	K518105	Outcrop
NORR24PB015	Pierre Bedeaux	536823	5316654	340	NAD83 Zone 17N	8/17/2024	Yes	K518717	Outcrop
NORR24JZ059	Jacob VanderWal	536084	5316412	363	NAD83 Zone 17N	8/19/2024	No		Outcrop
NORR24JZ060	Jacob VanderWal	536017	5316466	362	NAD83 Zone 17N	8/19/2024	Yes	K518721	Outcrop
NORR24JZ061	Jacob VanderWal	536138	5316546	343	NAD83 Zone 17N	8/19/2024	Yes	K518724	Outcrop
NORR24JZ062	Jacob VanderWal	536129	5316541	342	NAD83 Zone 17N	8/19/2024	Yes	K518725	Outcrop
NORR24JZ063	Jacob VanderWal	536128	5316550	336	NAD83 Zone 17N	8/19/2024	Yes	K518726	Outcrop
NORR24JZ064	Jacob VanderWal	536242	5316634	338	NAD83 Zone 17N	8/19/2024	Yes	K518106	Outcrop
NORR24JZ065	Jacob VanderWal	536246	5316631	340	NAD83 Zone 17N	8/19/2024	Yes	K518727	Outcrop
NORR24JZ066	Jacob VanderWal	536500	5316828	336	NAD83 Zone 17N	8/19/2024	No		Outcrop
NORR24JZ067	Jacob VanderWal	536658	5316172	360	NAD83 Zone 17N	8/19/2024	Yes	K518728	Outcrop

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Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24JZ068	Jacob VanderWal	536696	5316157	354	NAD83 Zone 17N	8/19/2024	Yes	K518729	Outcrop
NORR24PB016	Pierre Bedeaux	536100	5316525	347	NAD83 Zone 17N	8/19/2024	Yes	K518722	Trench
NORR24PB017	Pierre Bedeaux	536106	5316528		NAD83 Zone 17N	8/19/2024	Yes	K518723	Trench
NORR24PB018	Pierre Bedeaux	536636	5316121	349	NAD83 Zone 17N	8/19/2024	No		Outcrop
NORR24BG001	Brigitte Gelinas	535601	5316814	379	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG002	Brigitte Gelinas	535612	5316785	378	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG003	Brigitte Gelinas	535612	5316792	381	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG004	Brigitte Gelinas	535614	5316787	378	NAD83 Zone 17N	8/25/2024	Yes	K518752	Trench
NORR24BG005	Brigitte Gelinas	535621	5316763	379	NAD83 Zone 17N	8/25/2024	Yes	K518255	Trench
NORR24BG006	Brigitte Gelinas	535618	5316771	377	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG007	Brigitte Gelinas	535614	5316753	382	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG008	Brigitte Gelinas	535617	5316737	381	NAD83 Zone 17N	8/25/2024	Yes	K518256	Trench
NORR24BG009	Brigitte Gelinas	535611	5316721	381	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG010	Brigitte Gelinas	535686	5316797	378	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG011	Brigitte Gelinas	535685	5316803	379	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG012	Brigitte Gelinas	535699	5316769	378	NAD83 Zone 17N	8/25/2024	Yes	K518257	Trench
NORR24BG013	Brigitte Gelinas	535608	5316644	382	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG014	Brigitte Gelinas	535605	5316656	383	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24BG015	Brigitte Gelinas	535606	5316652	384	NAD83 Zone 17N	8/25/2024	No		Trench
NORR24JZ069	Jacob VanderWal	536128	5315626	358	NAD83 Zone 17N	8/25/2024	Yes	K518198	Outcrop
NORR24JZ070	Jacob VanderWal	536174	5315700	362	NAD83 Zone 17N	8/25/2024	Yes	K518199	Outcrop
NORR24JZ071	Jacob VanderWal	536169	5315764	364	NAD83 Zone 17N	8/25/2024	Yes	K518200	Outcrop
NORR24JZ072	Jacob VanderWal	536174	5315757	369	NAD83 Zone 17N	8/25/2024	Yes	K518007	Outcrop
NORR24JZ073	Jacob VanderWal	536169	5315799	370	NAD83 Zone 17N	8/25/2024	No		Outcrop
NORR24JZ074	Jacob VanderWal	536150	5315875		NAD83 Zone 17N	8/25/2024	Yes	K518008	Outcrop
NORR24JZ075	Jacob VanderWal	536140	5315884	370	NAD83 Zone 17N	8/25/2024	Yes	K518031	Outcrop

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Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24JZ076	Jacob VanderWal	536133	5315963	363	NAD83 Zone 17N	8/25/2024	Yes	K518009	Outcrop
NORR24JZ077	Jacob VanderWal	535723	5315813	370	NAD83 Zone 17N	8/25/2024	Yes	K518032	Outcrop
NORR24JZ078	Jacob VanderWal	535724	5315810	374	NAD83 Zone 17N	8/25/2024	Yes	K518011	Outcrop
NORR24JZ079	Jacob VanderWal	535746	5315733		NAD83 Zone 17N	8/25/2024	Yes	K518034	Outcrop
NORR24JZ080	Jacob VanderWal	535744	5315753	369	NAD83 Zone 17N	8/25/2024	Yes	K518033	Outcrop
NORR24JZ081	Jacob VanderWal	535727	5315684	365	NAD83 Zone 17N	8/25/2024	No		Outcrop
NORR24JZ082	Jacob VanderWal	535723	5315650	360	NAD83 Zone 17N	8/25/2024	Yes	K518035	Outcrop
NORR24JZ083	Jacob VanderWal	535719	5315629	363	NAD83 Zone 17N	8/25/2024	Yes	K518036	Outcrop
NORR24JZ084	Jacob VanderWal	535742	5315610	355	NAD83 Zone 17N	8/25/2024	Yes	K518037	Outcrop
NORR24JZ085	Jacob VanderWal	535767	5315589	356	NAD83 Zone 17N	8/25/2024	No		Outcrop
NORR24JZ086	Jacob VanderWal	535777	5315586	354	NAD83 Zone 17N	8/25/2024	Yes	K518038	Subcrop
NORR24JZ087	Jacob VanderWal	535780	5315560	356	NAD83 Zone 17N	8/25/2024	No		Outcrop
NORR24JZ088	Jacob VanderWal	535813	5315490	353	NAD83 Zone 17N	8/26/2024	Yes	K518258	Outcrop
NORR24JZ089	Jacob VanderWal	535761	5315491	349	NAD83 Zone 17N	8/26/2024	Yes	K518259	Outcrop
NORR24JZ091	Jacob VanderWal	535749	5315494	348	NAD83 Zone 17N	8/26/2024	Yes	K518262	Outcrop
NORR24JZ092	Jacob VanderWal	535730	5315497		NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ093	Jacob VanderWal	535674	5315475	354	NAD83 Zone 17N	8/26/2024	Yes	K518264	Outcrop
NORR24JZ095	Jacob VanderWal	535684	5315492	357	NAD83 Zone 17N	8/26/2024	Yes	K518263	Outcrop
NORR24JZ096	Jacob VanderWal	535646	5315513	366	NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ097	Jacob VanderWal	535618	5315516	365	NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ098	Jacob VanderWal	535605	5315520	372	NAD83 Zone 17N	8/26/2024	Yes	K518266	Outcrop
NORR24JZ099	Jacob VanderWal	535473	5315506	394	NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ100	Jacob VanderWal	535493	5315407	388	NAD83 Zone 17N	8/26/2024	Yes	K518267	Outcrop
NORR24JZ101	Jacob VanderWal	535490	5315407	393	NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ102	Jacob VanderWal	535529	5315509		NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ103	Jacob VanderWal	535558	5315508		NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ104	Jacob VanderWal	535519	5315420	385	NAD83 Zone 17N	8/26/2024	Yes	K518268	Outcrop
NORR24JZ105	Jacob VanderWal	535538	5315366	383	NAD83 Zone 17N	8/26/2024	Yes	K518753	Outcrop
NORR24JZ106	Jacob VanderWal	535578	5315339	358	NAD83 Zone 17N	8/26/2024	No		Outcrop
NORR24JZ090	Jacob VanderWal	535763	5315493	351	NAD83 Zone 17N	8/27/2024	Yes	K518261	Outcrop
NORR24BG016	Brigitte Gelinas	535275	5315554	404	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG017	Brigitte Gelinas	535326	5315540	401	NAD83 Zone 17N	8/28/2024	No		Outcrop

Appendix C. - Station Details

Station ID	Geologist	UTM Easting *(m)*	UTM Northing *(m)*	Elevation *(m ASL)*	UTM Grid	Data Entry Date *(MM/DD/YYYY)*	Sampled?	Sample ID	Station Type
NORR24BG018	Brigitte Gelinas	535332	5315513	396	NAD83 Zone 17N	8/28/2024	Yes	K518705	Outcrop
NORR24BG019	Brigitte Gelinas	535331	5315513	398	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG020	Brigitte Gelinas	535362	5315485	397	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG021	Brigitte Gelinas	535359	5315481	398	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG022	Brigitte Gelinas	535341	5315397	401	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG023	Brigitte Gelinas	535313	5315308	392	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG024	Brigitte Gelinas	535336	5315191	389	NAD83 Zone 17N	8/28/2024	Yes	K518715	Outcrop
NORR24BG025	Brigitte Gelinas	535335	5315190	388	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG026	Brigitte Gelinas	535335	5315167	386	NAD83 Zone 17N	8/28/2024	Yes	K518731	Subcrop
NORR24BG027	Brigitte Gelinas	535366	5315098	367	NAD83 Zone 17N	8/28/2024	Yes	K518732	Outcrop
NORR24BG028	Brigitte Gelinas	535364	5315099	365	NAD83 Zone 17N	8/28/2024	Yes	K518732	Outcrop
NORR24BG029	Brigitte Gelinas	535375	5315090	367	NAD83 Zone 17N	8/28/2024	Yes	K518733	Outcrop
NORR24BG030	Brigitte Gelinas	535406	5315070	347	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG031	Brigitte Gelinas	535354	5315055	359	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG032	Brigitte Gelinas	535296	5315066	368	NAD83 Zone 17N	8/28/2024	Yes	K518734	Outcrop
NORR24BG033	Brigitte Gelinas	535281	5315078	373	NAD83 Zone 17N	8/28/2024	Yes	K518735	Outcrop
NORR24BG034	Brigitte Gelinas	535259	5315125	385	NAD83 Zone 17N	8/28/2024	Yes	K518736	Subcrop
NORR24BG035	Brigitte Gelinas	535260	5315124	385	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG036	Brigitte Gelinas	535192	5315014	375	NAD83 Zone 17N	8/28/2024	Yes	K518737	Outcrop
NORR24BG037	Brigitte Gelinas	535167	5315046	377	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG039	Brigitte Gelinas	535102	5315048	392	NAD83 Zone 17N	8/28/2024	Yes	K518013	Outcrop
NORR24BG040	Brigitte Gelinas	535145	5315183	403	NAD83 Zone 17N	8/28/2024	No		Outcrop
NORR24BG038	Brigitte Gelinas	535106	5315046	390	NAD83 Zone 17N	8/29/2024	Yes	K518738	Outcrop
NORR24JZ008	Jacob VanderWal	536885	5316638	345	NAD83 Zone 17N	8/29/2024	Yes	K518718	Outcrop
NORR24PB014	Pierre Bedeaux	536903	5316621		NAD83 Zone 17N	8/29/2024	Yes	K518714	Outcrop
NORR24JZ094	Jacob VanderWal	535677	5315478	355	NAD83 Zone 17N	9/16/2024	Yes	K518265	Outcrop

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24JR001	757333	(100) Barrick Gold Inc.	Plutonic rock	Mafic				
NORR24JR002	757333	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Granodiorite			
NORR24JR003	757333	(100) Barrick Gold Inc.	Plutonic rock	Mafic				
NORR24JR007	822816	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JR008	822816	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24DG001	822773	(100) Barrick Gold Inc.	Sedimentary rock	Mudstone	Siltstone			
NORR24DG002	822829	(100) Barrick Gold Inc.	Sedimentary rock	Mudstone	Siltstone			
NORR24DG003	822773	(100) Barrick Gold Inc.	Sedimentary rock	Mudstone	Siltstone			Hematite-Pyrite-Magnetite
NORR24JR009	757299	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ001	757299	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Tonalite		Intrusion	Amphibole-Epidote-Chlorite
NORR24JZ002	757299	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Diorite		Dyke	
NORR24JZ003	757299	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JZ004	757306	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Chlorite-Epidote
NORR24JZ005	757306	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Diorite		Intrusion	Amphibole
NORR24JZ006	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Chlorite
NORR24JZ007	757285	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Diorite		Intrusion	Amphibole
NORR24JZ008	757285	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite-Plagioclase
NORR24JZ009	757324	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Chlorite
NORR24JZ010	757324	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Granodiorite			
NORR24JZ011	757324	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ012	757324	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Granodiorite			
NORR24BH001	822796	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24BH002	822796	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24BH003	822796	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24BH004	822796	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24BH005	822788	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Flow	
NORR24BH006	822788	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Flow	
NORR24DG004	822788	(100) Barrick Gold Inc.	Plutonic rock	Mafic				Biotite
NORR24DG005	822788	(100) Barrick Gold Inc.	Plutonic rock	Mafic				Biotite
NORR24DG006	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24DG008	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24DG009	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24DG010	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Hematite-Chlorite
NORR24DG011	822797	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Hematite-Chlorite-Biotite
NORR24DG012	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Hematite-Chlorite-Biotite
NORR24DG013	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24DG014	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24ER002	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24ER003	759019	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Crystal tuff		
NORR24ER004	759019	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24ER005	759017	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24ER006	759017	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Basaltic andesite			Quartz
NORR24ER007	759016	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24ER008	759018	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JZ013	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Chlorite-Epidote-Hematite
NORR24JZ014	759019	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Chlorite
NORR24JZ015	759019	(100) Barrick Gold Inc.	Plutonic rock	Ultramafic	Pyroxenite			Pyroxene-Chlorite-Epidote
NORR24JZ016	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Chlorite
NORR24JZ017	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Chlorite
NORR24JZ018	759019	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Basaltic andesite	Lapilli tuff		Chlorite
NORR24JZ019	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Chlorite
NORR24JZ020	759019	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Basaltic andesite	Lapilli tuff		Chlorite
NORR24JZ021	759019	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Dyke	Chlorite
NORR24JZ022	759019	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ023	759019	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Andesite	Lapilli tuff		
NORR24JZ024	759019	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Andesite	Lapilli tuff		
NORR24JZ025	759017	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite
NORR24JZ026	759017	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Crystal tuff	Flow	Chlorite-K-Feldspar
NORR24JZ028	759017	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Dolerite-Diabase			
NORR24JZ029	759017	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Chlorite
NORR24JZ030	759016	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Chlorite
NORR24JZ031	759016	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Amphibole-Hematite
NORR24JZ032	759018	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff	Bed	Chlorite
NORR24JZ033	759018	(100) Barrick Gold Inc.	Plutonic rock	Mafic			Dyke	
NORR24JZ034	759018	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite-Hematite
NORR24JZ035	759018	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JZ036	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JZ037	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JR011	822801	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Biotite
NORR24JR012	822802	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Biotite
NORR24JR013	822802	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Biotite
NORR24JR014	822802	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JR015	822797	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	
NORR24JR016	822797	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	
NORR24JR017	822797	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	
NORR24JR018	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JR019	822788	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24JR020	822789	(100) Barrick Gold Inc.	Sedimentary rock	Chemical	Banded iron formation	Oxide Facies	Bed	Magnetite
NORR24JR021	822789	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JR022	822788	(100) Barrick Gold Inc.	Sedimentary rock	Chemical	Banded iron formation	Oxide Facies	Bed	Magnetite
NORR24JR023	822788	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JR024	822788	(100) Barrick Gold Inc.	Sedimentary rock	Chemical	Banded iron formation	Oxide Facies	Bed	Magnetite
NORR24JR025	822788	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JR026	822788	(100) Barrick Gold Inc.	Sedimentary rock	Chemical	Banded iron formation	Oxide Facies	Bed	Magnetite
NORR24JR027	822788	(100) Barrick Gold Inc.	Sedimentary rock	Chemical	Banded iron formation	Oxide Facies	Bed	Magnetite
NORR24JZ038	759026	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite
NORR24JZ039	759026	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite
NORR24JZ040	759026	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite
NORR24JZ041	759026	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite-Magnetite-Epidote
NORR24JZ042	759026	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Chlorite
NORR24JZ043	759026	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Chlorite
NORR24JZ045	759026	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Andesite	Lapilli tuff		
NORR24JZ046	759026	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			Chlorite
NORR24JZ047	759026	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Amphibole-Magnetite
NORR24JZ048	759019	(100) Barrick Gold Inc.	Vein	Mineralized			Vein	Quartz-Hematite
NORR24JZ049	759028	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite
NORR24JZ050	759028	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Chlorite
NORR24JZ051	759028	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Basaltic andesite	Massive		Chlorite
NORR24JZ052	759028	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JZ053	759028	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Chlorite
NORR24JZ054	759028	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JZ055	759028	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite
NORR24BH007	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic				
NORR24JV001	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	
NORR24LS001	822794	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Basaltic andesite	Lapilli tuff		Chlorite-Biotite
NORR24LS002	822794	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Alkali feldspar granite	Pegmatitic	Dyke	
NORR24LS003	822794	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Alkali feldspar granite	Pegmatitic	Dyke	
NORR24LS004	841572	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Basaltic andesite	Lapilli tuff		
NORR24LS005	841572	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			Biotite
NORR24LS006	841572	(100) Barrick Gold Inc.	Volcanic flow	Mafic				
NORR24LS007	822794	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		
NORR24LS008	822794	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz diorite		Dyke	Biotite-Epidote
NORR24LS009	822794	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24LS010	822794	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		
NORR24LS011	822794	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24DG007	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24ER001	757299	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JR010	757306	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ044	759026	(100) Barrick Gold Inc.	Vein	Mineralized				Quartz-Pyrite-Talc
NORR24DG019	822804	(100) Barrick Gold Inc.	Plutonic rock	Felsic				
NORR24DG020	822804	(100) Barrick Gold Inc.	Volcanic flow	Mafic				

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24DG021	822804	(100) Barrick Gold Inc.	Plutonic rock	Felsic				
NORR24DG022	822804	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			Biotite
NORR24DG023	822799	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24DG024	822799	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			Biotite-Chlorite
NORR24DG025	822799	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			Biotite-Chlorite
NORR24DG026	822799	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24DG027	822799	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Diorite			
NORR24DG028	822799	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24DG029	822799	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24DG030	822799	(100) Barrick Gold Inc.	Volcanic flow	Intermediate				Muscovite-Chlorite
NORR24DG031	822799	(100) Barrick Gold Inc.	Volcanic flow	Intermediate				
NORR24DG032	822799	(100) Barrick Gold Inc.	Volcanic flow	Intermediate				
NORR24DG033	822799	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate		Lapilli tuff		
NORR24DG034	822799	(100) Barrick Gold Inc.	Volcanic flow	Mafic				Chlorite
NORR24DG035	822799	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Granite			
NORR24DG036	822799	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Andesite	Lapilli tuff		Feldspar
NORR24DG037	822799	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			Chlorite
NORR24DG038	822804	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			Chlorite
NORR24DG039	822804	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Pillowed		Chlorite
NORR24DG040	822804	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Tonalite			
NORR24DG041	822804	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Pillowed		Chlorite
NORR24LS013	822794	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Basaltic andesite			Biotite-Biotite
NORR24LS014	822794	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24LS015	822794	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Alkali feldspar granite		Dyke	
NORR24LS016	822794	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate		Lapilli tuff		
NORR24LS017	822794	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate		Lapilli tuff		
NORR24LS018	822794	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate		Lapilli tuff		
NORR24LS019	822794	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Andesite	Pillowed		
NORR24LS020	822794	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate		Lapilli tuff		
NORR24LS021	822794	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Alkali feldspar granite		Dyke	Hornblende
NORR24LS022	841572	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Basaltic andesite	Tuff		
NORR24LS023	841572	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Andesite	Tuff		Biotite
NORR24LS024	841572	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Andesite			
NORR24LS025	841572	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Andesite	Lapilli tuff		Biotite
NORR24LS026	841572	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Alkali feldspar granite	Pegmatitic	Intrusion	Hornblende
NORR24LS027	841572	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Alkali feldspar granite		Intrusion	Biotite
NORR24JZ027	759017	(100) Barrick Gold Inc.	Volcaniclastic rock	Felsic	Dacite	Agglomerate	Lense	
NORR24JZ056	185178	(100) John Peter Rapski	Plutonic rock	Intermediate	Syenite		Intrusion	Biotite-Quartz
NORR24JZ057	185178	(100) John Peter Rapski	Plutonic rock	Intermediate	Syenite		Intrusion	Biotite-Quartz
NORR24JZ058	137219	(100) John Peter Rapski	Volcaniclastic rock	Intermediate	Andesite	Tuff		
NORR24JM001	822789	(100) Barrick Gold Inc.	Volcanic flow	Ultramafic		Massive	Flow	
NORR24JM002	822789	(100) Barrick Gold Inc.	Volcanic flow	Ultramafic		Massive	Flow	
NORR24JM003	822789	(100) Barrick Gold Inc.	Volcanic flow	Ultramafic			Flow	

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24DG015	822789	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Polymictic		
NORR24JM004	757299	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Tuff		
NORR24JM005	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JM006	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JM007	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JM008	757285	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JM010	757285	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz diorite		Intrusion	Quartz
NORR24JM011	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JM012	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JM013	757285	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz diorite		Intrusion	Quartz
NORR24JM014	757297	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JM015	757297	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JM016	757298	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz diorite		Intrusion	Quartz
NORR24JZ059	757299	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lithic tuff	Bed	
NORR24JZ060	757299	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	
NORR24JZ061	822789	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lithic tuff		
NORR24JZ062	757299	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JZ063	757285	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JZ064	757285	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lithic tuff		
NORR24JZ065	757285	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite-Plagioclase
NORR24JZ066	757285	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Amphibole-Muscovite
NORR24JZ067	757297	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lithic tuff		
NORR24JZ068	757295	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24JZ069	757295	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JZ070	757295	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ071	757296	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ072	757296	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ073	757296	(100) Barrick Gold Inc.	Plutonic rock	Ultramafic	Amphibolite		Intrusion	Amphibole-Chlorite
NORR24JZ074	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Monzonite			Plagioclase-K-Feldspar
NORR24JZ075	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			K-Feldspar-Quartz
NORR24JZ076	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Monzonite			Plagioclase-K-Feldspar
NORR24JZ077	757296	(100) Barrick Gold Inc.	Plutonic rock	Ultramafic	Amphibolite		Intrusion	Amphibole-Chlorite
NORR24JZ078	757306	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite-Plagioclase
NORR24JZ079	757306	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz monzonite			K-Feldspar-Biotite
NORR24PB001	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic				
NORR24PB002	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic				
NORR24PB003	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic				
NORR24PB004	822789	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			Chlorite
NORR24PB005	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic				
NORR24PB006	822789	(100) Barrick Gold Inc.	Volcaniclastic rock	Felsic	Dacite	Crystal tuff		Muscovite
NORR24PB007	822789	(100) Barrick Gold Inc.	Volcaniclastic rock	Felsic	Dacite	Crystal tuff		Muscovite
NORR24PB008	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Hornblende-Chlorite
NORR24PB009	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Dolerite-Diabase			
NORR24PB010	822789	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Diorite		Dyke	Feldspar
NORR24PB011	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	Hornblende-Chlorite
NORR24PB012	822789	(100) Barrick Gold Inc.	Volcaniclastic rock	Felsic	Dacite	Crystal tuff		Muscovite

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24DG016	822789	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Polymictic		
NORR24JZ059	757299	(100) Barrick Gold Inc.	Plutonic rock	Felsic	Quartzolite	Aplitic	Intrusion	
NORR24JZ060	757299	(100) Barrick Gold Inc.	Plutonic rock	Ultramafic				
NORR24JZ061	822789	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JM017	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JM018	822789	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Andesite	Massive	Flow	
NORR24JM019	822789	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Andesite	Massive	Flow	
NORR24JM020	822789	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Andesite	Massive	Flow	
NORR24JM021	822789	(100) Barrick Gold Inc.	Sedimentary rock	Chemical	Banded iron formation		Bed	
NORR24JM022	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JM023	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JM024	822789	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JM025	822789	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	
NORR24JM026	822789	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Diorite		Intrusion	
NORR24JM027	822789	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz monzodiorite			
NORR24JM028	822789	(100) Barrick Gold Inc.	Vein	Mineralized			Dyke	
NORR24JM029	822789	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Andesite	Massive	Flow	
NORR24JM030	822789	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Andesite	Massive	Flow	
NORR24JM031	822789	(100) Barrick Gold Inc.	Vein	Massive				
NORR24JR031	822798	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt		Flow	
NORR24JR032	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		
NORR24JR033	822797	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt		Flow	
NORR24JR034	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		
NORR24JR035	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		Muscovite
NORR24JR036	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		
NORR24JR037	822798	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro		Intrusion	
NORR24JR038	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt		Flow	
NORR24JR039	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		
NORR24JR040	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt		Flow	
NORR24JR041	822798	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		
NORR24JR043	822789	(100) Barrick Gold Inc.	Plutonic rock	Intermediate			Intrusion	K-Feldspar-Amphibole
NORR24DG042	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			
NORR24DG043	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Amphibole-Magnetite
NORR24DG044	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Amphibole
NORR24DG045	759020	(100) Barrick Gold Inc.	Vein	Massive				Feldspar-Chlorite-Magnetite
NORR24DG046	759020	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Chlorite-Epidote-Feldspar
NORR24DG047	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Amphibole
NORR24DG048	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Amphibole
NORR24DG049	759019	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate	Basaltic andesite	Lapilli tuff		Epidote
NORR24DG050	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Epidote-Chlorite-Feldspar
NORR24DG051	759019	(100) Barrick Gold Inc.	Vein	Massive				Pyrrhotite-Chlorite-Feldspar
NORR24DG052	759019	(100) Barrick Gold Inc.	Vein	Massive				Feldspar-Chlorite-Magnetite
NORR24DG053	759019	(100) Barrick Gold Inc.	Vein	Massive				Feldspar-Chlorite-Magnetite

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24DG054	759019	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Gabbro			Epidote-Chlorite
NORR24JM032	869326	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Diorite			Amphibole-Magnetite
NORR24JM033	869326	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz diorite			
NORR24JM034	869326	(100) Barrick Gold Inc.	Vein	Massive				
NORR24JM035	869326	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Dolerite-Diabase		Intrusion	
NORR24JM009	757285	(100) Barrick Gold Inc.	Vein	Massive				Quartz
NORR24JR042	822798	(100) Barrick Gold Inc.	Plutonic rock	Intermediate			Dyke	Amphibole-Plagioclase
NORR24JZ001	757299	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Basaltic andesite			
NORR24JZ002	757299	(100) Barrick Gold Inc.	Volcanic flow	Intermediate	Basaltic andesite			
NORR24JZ003	757299	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		
NORR24JZ004	757306	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		
NORR24JZ005	757306	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Srp-Epidote
NORR24JZ006	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		
NORR24JZ007	757285	(100) Barrick Gold Inc.	Porphyry	Mafic	oclase-phyric mafic porphyry		Intrusion	K-Feldspar-Biotite
NORR24JZ009	757324	(100) Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		
NORR24JZ010	757324	(100) Barrick Gold Inc.	Sedimentary rock	Mudstone	Siltstone		Bed	
NORR24PB013	261767	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Monzogabbro		Intrusion	Pyroxene-Feldspar
NORR24PB015	313442	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			Chlorite
NORR24JZ059	757299	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz syenite			
NORR24JZ060	PAT-52246	Mining land owned by Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz syenite			Amphibole
NORR24JZ061	PAT-52247	Mining land owned by Barrick Gold Inc.	Vein	Mineralized			Vein	
NORR24JZ062	PAT-52247	Mining land owned by Barrick Gold Inc.	Vein	Mineralized			Vein	
NORR24JZ063	PAT-52247	Mining land owned by Barrick Gold Inc.	Volcaniclastic rock	Mafic	Basalt	Lapilli tuff		
NORR24JZ064	PAT-52247	Mining land owned by Barrick Gold Inc.	Plutonic rock	Intermediate				
NORR24JZ065	PAT-52247	Mining land owned by Barrick Gold Inc.	Vein	Mineralized				
NORR24JZ066	757285	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Dolerite-Diabase			
NORR24JZ067	757297	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24JZ068	757295	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Pillowed	Flow	
NORR24PB016	PAT-52247	Mining land owned by Barrick Gold Inc.	Vein	Mineralized			Vein	Quartz-Tourmaline-Calcite-Feldspar
NORR24PB017			Vein	Mineralized			Vein	Quartz-Tourmaline-Calcite-Feldspar
NORR24PB018	320944	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Pillowed	Flow	Chlorite
NORR24BG001	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Shear			Vein	
NORR24BG002	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Other			Vein	Chlorite
NORR24BG003	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Massive			Vein	
NORR24BG004	PAT-52248	Mining land owned by Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Chlorite-Magnetite
NORR24BG005	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Shear			Vein	Chlorite-Pyrite
NORR24BG006	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Massive			Vein	
NORR24BG007	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Massive			Vein	
NORR24BG008	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Mineralized			Vein	Chlorite-Pyrite
NORR24BG009	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Shear			Vein	Chlorite-Pyrite
NORR24BG010	PAT-52248	Mining land owned by Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Chlorite-Magnetite
NORR24BG011	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Massive			Vein	
NORR24BG012	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Shear			Vein	Chlorite
NORR24BG013	PAT-52248	Mining land owned by Barrick Gold Inc.	Plutonic rock	Intermediate			Intrusion	Chlorite-Magnetite
NORR24BG014	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Shear			Vein	Chlorite
NORR24BG015	PAT-52248	Mining land owned by Barrick Gold Inc.	Vein	Massive			Vein	
NORR24JZ069	757295	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Oligomictic		
NORR24JZ070	757295	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Polymictic		
NORR24JZ071	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz syenite			
NORR24JZ072	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz syenite			
NORR24JZ073	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz syenite			
NORR24JZ074	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JZ075	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24JZ076	757296	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	
NORR24JZ077	757296	(100) Barrick Gold Inc.	Vein	Massive				
NORR24JZ078	757306	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JZ079	757306	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Quartz syenite			
NORR24JZ080	134860	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JZ081	134860	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JZ082	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Oligomictic		
NORR24JZ083	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Oligomictic		
NORR24JZ084	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Oligomictic		
NORR24JZ085	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Oligomictic		
NORR24JZ086	134860	(100) Barrick Gold Inc.	Plutonic rock	Intermediate				
NORR24JZ087	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Matrix-supported	Oligomictic		
NORR24JZ088	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Clast-supported	Polymictic	Bed	
NORR24JZ089	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Clast-supported	Polymictic	Bed	
NORR24JZ091	134860	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Chlorite
NORR24JZ092	134860	(100) Barrick Gold Inc.	Sedimentary rock	Conglomerate	Clast-supported			
NORR24JZ093	180071	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite	Aplitic	Dyke	
NORR24JZ095	134860	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ096	134860	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ097	134860	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ098	134860	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Magnetite
NORR24JZ099	134860	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JZ100	180071	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Chlorite-Magnetite
NORR24JZ101	180071	(100) Barrick Gold Inc.	Vein	Massive				Chlorite-Magnetite
NORR24JZ102	134860	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JZ103	134860	(100) Barrick Gold Inc.	Plutonic rock	Mafic	Dolerite-Diabase			
NORR24JZ104	180071	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite	Aplitic		
NORR24JZ105	180071	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	
NORR24JZ106	180071	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24JZ090	134860	(100) Barrick Gold Inc.	Volcaniclastic rock	Intermediate		Tuff breccia		
NORR24BG016	228495	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24BG017	228495	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			

	Associated Claim Details		Lithology Description (1)					
Station ID	**Claim Tenure Number**	**Claim Holder**	**Lithology *(General)***	**Lithology *(Broad Classification)***	**Lithology *(Rock Type)***	**Lithology *(Sub-Classification)***	**Lithology *(Form)***	**Dominant Minerals *(non-rock forming)***
NORR24BG018	228495	(100) Barrick Gold Inc.	Vein	Massive			Vein	Hornblende
NORR24BG019	228495	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24BG020	228495	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24BG021	189057	(100) Barrick Gold Inc.	Vein	Massive			Vein	
NORR24BG022	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24BG023	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24BG024	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	
NORR24BG025	189057	(100) Barrick Gold Inc.	Vein	Massive			Vein	
NORR24BG026	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Magnetite
NORR24BG027	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Magnetite
NORR24BG028	189057	(100) Barrick Gold Inc.	Vein	Mineralized			Vein	Magnetite
NORR24BG029	189057	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Magnetite
NORR24BG030	189057	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Magnetite
NORR24BG031	189057	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Magnetite
NORR24BG032	189057	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	Magnetite
NORR24BG033	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate		Aplitic	Intrusion	Magnetite
NORR24BG034	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Magnetite
NORR24BG035	189057	(100) Barrick Gold Inc.	Vein	Mineralized			Vein	Magnetite
NORR24BG036	259220	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive		Magnetite
NORR24BG037	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Magnetite
NORR24BG039	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite		Intrusion	Magnetite
NORR24BG040	189057	(100) Barrick Gold Inc.	Plutonic rock	Intermediate	Syenite			
NORR24BG038	189057	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt	Massive	Flow	
NORR24JZ008	757285	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24PB014	261767	(100) Barrick Gold Inc.	Volcanic flow	Mafic	Basalt			
NORR24JZ094	180071	(100) Barrick Gold Inc.	Vein	Massive				

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24JR001	Dark Grey	Coarse			None	Moderate	
NORR24JR002	Pink Salt and Pepper		Xenolith		None	Weak	
NORR24JR003	Dark Grey	Coarse			None	Moderate	
NORR24JR007	Dark Grey	Medium	Foliated		Low	Weak	
NORR24JR008	White	Very Coarse			*Not recorded*	*Not recorded*	
NORR24DG001	Grey	Very Fine		0	None	Not Magnetic	
NORR24DG002	Grey	Very Fine		0	None	Not Magnetic	
NORR24DG003	Grey	Very Fine	Aphanitic		None	Strong	
NORR24JR009	Green-Grey	Fine	Foliated	0	High	Weak	100
NORR24JZ001	Pink Salt and Pepper	Medium	Inequigranular	0	None	Not Magnetic	20
NORR24JZ002	Pink Salt and Pepper	Medium	Inequigranular		Low	Not Magnetic	30
NORR24JZ003	Light Grey			95	*Not recorded*	*Not recorded*	
NORR24JZ004	Dark Green	Very Fine	Foliated		High	Not Magnetic	100
NORR24JZ005	Pink Salt and Pepper	Medium	Inequigranular	0	None	Not Magnetic	30
NORR24JZ006	Dark Grey	Very Fine	Foliated		Moderate	Not Magnetic	100
NORR24JZ007	Pink Salt and Pepper	Medium	Inequigranular		None	Not Magnetic	30
NORR24JZ008	Salt and Pepper	Very Fine	Foliated		Moderate	Moderate	65
NORR24JZ009	Dark Grey	Very Fine	Foliated	15	Moderate	Strong	95
NORR24JZ010	Pink Salt and Pepper	Medium			None	Not Magnetic	15
NORR24JZ011	Dark Grey	Very Fine	Foliated		Low	Moderate	95
NORR24JZ012	Pink Salt and Pepper	Fine			None	Not Magnetic	15
NORR24BH001	Dark Green	Very Fine		0	Low	Weak	
NORR24BH002	White	Coarse		90	*Not recorded*	*Not recorded*	
NORR24BH003	Dark Green	Very Fine			*Not recorded*	*Not recorded*	
NORR24BH004	Dark Green	Very Fine			*Not recorded*	*Not recorded*	
NORR24BH005	Dark Green	Fine		0	Low	Not Magnetic	
NORR24BH006	Dark Green	Fine			*Not recorded*	Not Magnetic	
NORR24DG004	Green-Grey	Fine	Equigranular		Low	Strong	
NORR24DG005	Green-Grey	Fine	Equigranular		Low	Strong	
NORR24DG006	Dark Green	Medium	Equigranular		None	Not Magnetic	50
NORR24DG008	Dark Green	Fine			Low	Weak	
NORR24DG009	Dark Green	Fine			Low	Weak	
NORR24DG010	Green	Medium	Equigranular	0	Moderate	Moderate	
NORR24DG011	Green	Medium	Equigranular	0	None	Not Magnetic	
NORR24DG012	Green	Medium	Equigranular		None	Weak	
NORR24DG013	Green	Coarse	Equigranular	0	*Not recorded*	*Not recorded*	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24DG014	Dark Green	Fine			Moderate	Not Magnetic	
NORR24ER002	Green-Grey	Medium			None	Strong	80
NORR24ER003	Grey	Fine			Moderate	Not Magnetic	85
NORR24ER004	White	Very Coarse		100	None	Not Magnetic	0
NORR24ER005	White	Very Coarse		98	None	Not Magnetic	0
NORR24ER006	Green-Grey	Fine		0	Moderate	Not Magnetic	80
NORR24ER007	White	Very Coarse		98	*Not recorded*	*Not recorded*	
NORR24ER008	White			100	None	Not Magnetic	0
NORR24JZ013	Dark Grey	Fine	Equigranular		None	Moderate	90
NORR24JZ014	Grey	Very Fine	Aphanitic		Low	Weak	90
NORR24JZ015	Brown-Grey	Fine	Equigranular		None	Strong	70
NORR24JZ016	Dark Grey	Fine	Equigranular		None	Moderate	90
NORR24JZ017	Dark Grey	Fine	Equigranular		None	Moderate	90
NORR24JZ018	Grey	Coarse	Foliated-Aligned	0	High	Not Magnetic	70
NORR24JZ019	Dark Grey	Fine	Equigranular		High	Moderate	90
NORR24JZ020	Grey	Coarse	Foliated-Aligned		High	Not Magnetic	70
NORR24JZ021	Pink	Very Fine	Aphanitic		None	Strong	15
NORR24JZ022	Grey	Very Fine	Aphanitic-Foliated		Moderate	Moderate	90
NORR24JZ023	Grey	Medium			Moderate	Moderate	60
NORR24JZ024	Grey	Medium			Moderate	Moderate	60
NORR24JZ025	Grey	Very Fine	Foliated		Moderate	Weak	75
NORR24JZ026	Grey	Medium			High	Not Magnetic	70
NORR24JZ028					*Not recorded*	*Not recorded*	
NORR24JZ029	Dark Green	Very Fine			Moderate	Strong	90
NORR24JZ030	Dark Green	Very Fine		0	Moderate	Strong	90
NORR24JZ031	Dark Green	Medium	Equigranular		Low	Weak	80
NORR24JZ032	Dark Grey	Medium	Foliated		Moderate	Not Magnetic	75
NORR24JZ033	Grey	Very Fine	nequigranular-Aphanitic		None	Not Magnetic	
NORR24JZ034	Dark Green	Medium	Equigranular		Low	Weak	80
NORR24JZ035					*Not recorded*	*Not recorded*	
NORR24JZ036					*Not recorded*	*Not recorded*	
NORR24JZ037					*Not recorded*	*Not recorded*	
NORR24JR011	Blue-Grey	Fine			None	Weak	
NORR24JR012	Blue-Grey	Fine		0	None	Weak	
NORR24JR013	Blue-Grey	Medium	Equigranular	0	None	Moderate	
NORR24JR014	Blue-Grey	Fine			None	Not Magnetic	
NORR24JR015	Blue-Grey	Very Coarse	Inequigranular		None	Weak	
NORR24JR016	Blue-Grey	Very Coarse	Inequigranular		Moderate	Weak	
NORR24JR017	Blue-Grey	Medium	Equigranular		None	Weak	
NORR24JR018	Blue-Grey	Fine		0	Moderate	Not Magnetic	
NORR24JR019	Green-Grey	Coarse	Inequigranular	0	Low	Moderate	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24JR020	Dark Grey	Fine	Equigranular	10	Moderate	Intense	80
NORR24JR021	White	Coarse		90	None	Not Magnetic	
NORR24JR022	Dark Grey	Fine	Equigranular	2	Moderate	Intense	85
NORR24JR023	Green-Grey	Medium	Inequigranular	0	Low	Weak	
NORR24JR024	Dark Grey	Fine	Equigranular	0	Moderate	Intense	90
NORR24JR025	White	Coarse		70	None	Not Magnetic	
NORR24JR026	Dark Grey	Fine	Equigranular	0	Moderate	Intense	90
NORR24JR027	Dark Grey	Fine	Equigranular	5	Moderate	Intense	85
NORR24JZ038	Dark Green	Fine	Equigranular		None	Not Magnetic	
NORR24JZ039	Dark Green	Medium	Equigranular		None	Not Magnetic	
NORR24JZ040	Dark Green	Medium	Equigranular		None	Not Magnetic	
NORR24JZ041	Dark Green	Fine	Equigranular		None	Strong	80
NORR24JZ042	Grey	Very Fine	Foliated		Low	Not Magnetic	90
NORR24JZ043	Light Green	Fine	oliated-Schist-Laminat	60	Intense	Intense	70
NORR24JZ045	Grey	Fine	Foliated		High	*Not recorded*	
NORR24JZ046	Grey	Very Fine			Low	Not Magnetic	
NORR24JZ047	Dark Green	Medium	Equigranular		None	Strong	
NORR24JZ048	White		Laminated	100	Low	Weak	
NORR24JZ049	Dark Green	Fine	Equigranular		None	Not Magnetic	
NORR24JZ050	Green-Grey	Very Fine			Low	Not Magnetic	
NORR24JZ051	Green-Grey	Very Fine			Moderate	Moderate	80
NORR24JZ052	Dark Green	Fine	Equigranular		Low	Strong	
NORR24JZ053	Green-Grey	Very Fine			Low	Strong	
NORR24JZ054	Dark Green	Medium	Equigranular		None	Strong	
NORR24JZ055	Dark Green	Medium	Equigranular		Moderate	Weak	
NORR24BH007	Green-Grey	Very Fine			High	Not Magnetic	75
NORR24JV001	Green-Grey	Very Coarse		0	None	Not Magnetic	70
NORR24LS001	Dark Green	Fine	Foliated	0	High	Not Magnetic	80
NORR24LS002	Pink Salt and Pepper	Coarse		0	High	Not Magnetic	15
NORR24LS003	Pink Salt and Pepper	Very Coarse		0	Moderate	Not Magnetic	20
NORR24LS004	Green-Grey	Fine	Foliated	0	Moderate	Moderate	85
NORR24LS005	Dark Grey	Fine	Foliated	0	High	Not Magnetic	90
NORR24LS006			Gneissic		High	Not Magnetic	
NORR24LS007	Light Grey	Fine	Foliated		Moderate	Not Magnetic	90
NORR24LS008	Light Grey	Coarse		0	Low	Not Magnetic	
NORR24LS009	Grey	Fine	Foliated	0	Moderate	Not Magnetic	90
NORR24LS010	Green-Grey	Fine		0	Moderate	Not Magnetic	90
NORR24LS011	Grey	Fine			High	Not Magnetic	90
NORR24DG007	Dark Green	Fine			Moderate	Weak	
NORR24ER001	White	Very Coarse		100	None	Not Magnetic	0
NORR24JR010	Green-Grey	Fine			Low	Weak	100
NORR24JZ044	White	Very Fine		90	Low	Not Magnetic	
NORR24DG019	Pink	Coarse	Inequigranular		None	Not Magnetic	10
NORR24DG020	Dark Grey	Fine	Foliated	0	High	*Not recorded*	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24DG021	Pink	Coarse	Inequigranular		None	Not Magnetic	10
NORR24DG022	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24DG023	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24DG024	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24DG025	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24DG026	Dark Grey	Medium	Equigranular		Low	Not Magnetic	40
NORR24DG027	Salt and Pepper	Medium			Low	Not Magnetic	
NORR24DG028	Dark Grey			0	Low	Not Magnetic	55
NORR24DG029	Dark Grey	Fine			Low	Weak	
NORR24DG030	Light Grey	Fine			Moderate	Moderate	
NORR24DG031	Light Grey	Fine	Foliated		Moderate	Weak	
NORR24DG032	Light Grey	Fine	Foliated		Moderate	Weak	
NORR24DG033	Light Grey	Fine	Foliated		Moderate	Weak	
NORR24DG034		Fine			Low	Moderate	
NORR24DG035	Pink Salt and Pepper	Coarse			None	Not Magnetic	
NORR24DG036	Light Grey	Very Fine		0	Low	Not Magnetic	
NORR24DG037	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24DG038	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24DG039	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24DG040	Pink	Coarse	Inequigranular		None	Not Magnetic	10
NORR24DG041	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24LS013	Grey	Fine	Foliated	0	High	Not Magnetic	80
NORR24LS014				0	Moderate	*Not recorded*	
NORR24LS015	Pink	Very Coarse			Moderate	Not Magnetic	15
NORR24LS016	Dark Grey	Fine		0	High	*Not recorded*	80
NORR24LS017	Dark Grey	Fine			High	*Not recorded*	80
NORR24LS018	Grey	Fine		0	High	Strong	65
NORR24LS019	Dark Grey	Fine			High	*Not recorded*	80
NORR24LS020	Grey	Fine			High	*Not recorded*	80
NORR24LS021	Pink	Very Coarse			Moderate	Not Magnetic	15
NORR24LS022	Dark Grey	Fine	Foliated		Moderate	Strong	
NORR24LS023	Grey	Fine			High	*Not recorded*	
NORR24LS024	Grey	Fine			High	*Not recorded*	
NORR24LS025	Brown-Grey	Fine			High	*Not recorded*	
NORR24LS026	Pink	Very Coarse			Low	*Not recorded*	
NORR24LS027	Pink Salt and Pepper	Medium	Equigranular		Moderate	*Not recorded*	
NORR24JZ027	Light Grey	Very Fine	Aphanitic-Laminated	10	High	Not Magnetic	0
NORR24JZ056	Pink	Medium	Equigranular-Porphyriti	25	Moderate	Weak	25
NORR24JZ057	Pink	Medium	Equigranular-Porphyritic		None	Weak	25
NORR24JZ058	Light Grey	Very Fine	Aphanitic	10	Moderate	Not Magnetic	10
NORR24JM001	Dark Green	Fine		35	Moderate	Moderate	
NORR24JM002	Dark Green	Fine		1	Low	Weak	
NORR24JM003	Pink	Fine		0	High	Not Magnetic	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24DG015	Grey	Fine		0	Moderate	Moderate	
NORR24JM004	Dark Grey	Fine	Thin bed	0	Moderate	Strong	
NORR24JM005	Dark Grey	Very Fine			Low	Weak	
NORR24JM006					Low	Strong	
NORR24JM007					Low	Strong	
NORR24JM008	Pink	Coarse			None	*Not recorded*	
NORR24JM010	Pink Salt and Pepper	Coarse		0	None	Not Magnetic	
NORR24JM011	Dark Green				Low	Weak	
NORR24JM012	Dark Green				Low	Weak	
NORR24JM013	Pink Salt and Pepper	Coarse		0	None	Not Magnetic	
NORR24JM014	Dark Green				None	Weak	
NORR24JM015	Blue-Grey	Fine		5	Moderate	Strong	
NORR24JM016	Pink Salt and Pepper	Coarse			None	Not Magnetic	
NORR24JZ059	Dark Green	Very Fine	Aligned		Moderate	Not Magnetic	90
NORR24JZ060	Pink	Coarse	Porphyritic		None	Not Magnetic	
NORR24JZ061	Dark Green	Fine			Moderate	Not Magnetic	
NORR24JZ062	White			90	Moderate	Not Magnetic	
NORR24JZ063	Dark Grey				Moderate	Strong	
NORR24JZ064	Dark Green	Fine			High	Not Magnetic	
NORR24JZ065	Salt and Pepper	Fine	Foliated		Low	Moderate	65
NORR24JZ066	Dark Grey	Medium	Aligned-Schist		High	Weak	
NORR24JZ067	Dark Green	Fine			High	Not Magnetic	
NORR24JZ068	Dark Green	Fine	Schist		High	Not Magnetic	80
NORR24JZ069	White			100	None	Not Magnetic	
NORR24JZ070					*Not recorded*	*Not recorded*	
NORR24JZ071	Dark Green				Moderate	Not Magnetic	
NORR24JZ072	Green	Very Fine			None	Not Magnetic	
NORR24JZ073	Green	Medium	Porphyritic-Equigranular		None	Moderate	80
NORR24JZ074	Pink	Medium	orphyritic-Inequigranular		None	Not Magnetic	
NORR24JZ075	Pink	Medium	egmatite-Inequigranular		None	Not Magnetic	
NORR24JZ076	Pink	Medium	orphyritic-Inequigranular		None	Not Magnetic	
NORR24JZ077	Green	Medium	Porphyritic-Equigranular		None	Moderate	80
NORR24JZ078	Dark Green	Fine	Foliated		*Not recorded*	*Not recorded*	
NORR24JZ079	Pink Salt and Pepper	Medium	Porphyritic		None	Not Magnetic	
NORR24PB001	Dark Grey	Medium			Low	*Not recorded*	
NORR24PB002	Dark Green	Fine		5	Low	Weak	
NORR24PB003	Green-Grey	Very Fine	Foliated	5	Moderate	Moderate	
NORR24PB004	Pink	Medium	Porphyritic		None	Not Magnetic	
NORR24PB005	Green-Grey	Very Fine	Foliated	5	Moderate	Moderate	
NORR24PB006	Light Grey	Very Fine	Laminated		Moderate	*Not recorded*	
NORR24PB007	Light Grey	Very Fine	Laminated		Moderate	*Not recorded*	
NORR24PB008	Black	Coarse	Foliated		High	Not Magnetic	
NORR24PB009					*Not recorded*	*Not recorded*	
NORR24PB010	Grey	Medium			None	*Not recorded*	
NORR24PB011	Black	Coarse	Foliated		High	Not Magnetic	
NORR24PB012	Light Grey	Very Fine	Laminated		Moderate	*Not recorded*	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24DG016	Grey	Fine			Low	Not Magnetic	
NORR24JZ059	Light Grey	Very Fine			*Not recorded*	*Not recorded*	
NORR24JZ060		Very Fine			High	Not Magnetic	
NORR24JZ061	Red	Medium			Moderate	Not Magnetic	
NORR24JM017	Light Green	Fine	Foliated	20	Moderate	Strong	
NORR24JM018	Grey	Fine		0	Moderate	Weak	
NORR24JM019	Grey	Fine		30	Moderate	Weak	
NORR24JM020	Grey	Fine		0	Moderate	Weak	
NORR24JM021	Dark Grey	Fine	Laminated		Moderate	Strong	
NORR24JM022	Grey	Fine			Moderate	Moderate	
NORR24JM023	Dark Grey	Fine	Foliated	0	Moderate	*Not recorded*	
NORR24JM024	Light Grey	Fine		0	High	Not Magnetic	
NORR24JM025	Dark Grey	Medium		10	Moderate	Weak	
NORR24JM026	Light Grey	Fine		0	None	Not Magnetic	
NORR24JM027	Green-Grey	Medium		0	None	Not Magnetic	
NORR24JM028	Blue-Grey	Medium		80	*Not recorded*	*Not recorded*	
NORR24JM029	Green-Grey	Fine	Foliated	0	Moderate	Weak	
NORR24JM030	Green-Grey	Fine	Foliated	0	Moderate	Weak	
NORR24JM031	White	Medium		90	None	Not Magnetic	
NORR24JR031	Blue-Grey	Fine	Foliated	1	Low	Not Magnetic	
NORR24JR032	Blue-Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24JR033	Blue-Grey	Fine	Foliated		Low	Not Magnetic	
NORR24JR034	Blue-Grey	Fine	Foliated		Low	Not Magnetic	
NORR24JR035	Blue-Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24JR036	Blue-Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24JR037	Dark Grey	Medium	Foliated		Moderate	Not Magnetic	
NORR24JR038	Blue-Grey	Fine	Foliated	5	Moderate	Not Magnetic	
NORR24JR039	Blue-Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24JR040	Blue-Grey	Fine	Foliated	5	High	Not Magnetic	
NORR24JR041	Dark Grey	Fine	Foliated		Moderate	Not Magnetic	
NORR24JR043	Dark Grey	Medium			None	Not Magnetic	
NORR24DG042	Black	Medium	Equigranular	0	None	Weak	
NORR24DG043	Dark Green	Medium	Equigranular		None	Strong	
NORR24DG044	Dark Green	Medium	Equigranular		None	Not Magnetic	
NORR24DG045	White			90	None	Strong	
NORR24DG046	Dark Green	Fine		35	Low	Strong	
NORR24DG047	Dark Green	Medium	Equigranular		None	Strong	
NORR24DG048	Dark Green	Medium	Equigranular		None	Strong	
NORR24DG049	Grey	Fine			Moderate	Not Magnetic	
NORR24DG050	Dark Green	Fine		60	Low	Strong	
NORR24DG051				95	None	Not Magnetic	
NORR24DG052	White			95	None	Not Magnetic	
NORR24DG053	White			95	None	Not Magnetic	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24DG054		Fine			Low	Strong	
NORR24JM032	Pink	Medium	Equigranular	0	None	Moderate	20
NORR24JM033	Grey	Medium		0	None	Not Magnetic	
NORR24JM034	White	Medium		100	None	Not Magnetic	
NORR24JM035	Dark Grey	Very Fine	Aphanitic	0	None	Strong	30
NORR24JM009	Light Grey	Coarse		100	None	*Not recorded*	
NORR24JR042	Pink	Medium		0	Low	Not Magnetic	
NORR24JZ001	Grey	Fine	Foliated	15	Low	Not Magnetic	
NORR24JZ002	Grey	Fine	Foliated		Low	Not Magnetic	
NORR24JZ003	Black	Very Fine		5	Low	Not Magnetic	
NORR24JZ004	Black	Very Fine		5	Low	Not Magnetic	
NORR24JZ005	Pink Salt and Pepper	Medium	Foliated	10	Moderate	Not Magnetic	50
NORR24JZ006	Dark Grey	Very Fine	Foliated	10	Low	Strong	
NORR24JZ007	Black	Medium	tic-Phenocrystic-Inequ	10	Low	Strong	80
NORR24JZ009	Black	Fine		25	Moderate	Not Magnetic	95
NORR24JZ010	Dark Grey	Very Fine	Laminated		Low	Not Magnetic	
NORR24PB013	Dark Green	Medium	Equigranular		None	Not Magnetic	60
NORR24PB015	Pink	Medium	Inequigranular	10	None	*Not recorded*	20
NORR24JZ059		Medium			*Not recorded*	*Not recorded*	
NORR24JZ060	Pink	Medium		15	Low	Moderate	15
NORR24JZ061	Orange	Very Fine	Laminated-Foliated	90	Moderate	Not Magnetic	
NORR24JZ062	Orange	Very Fine	Laminated-Foliated	90	Moderate	Not Magnetic	
NORR24JZ063	Brown-Grey	Fine	Laminated-Foliated		High	Weak	80
NORR24JZ064	Green-Grey	Fine	Equigranular	5	None	Not Magnetic	
NORR24JZ065	Orange				Low	Not Magnetic	
NORR24JZ066	Blue-Grey	Very Fine			None	Strong	
NORR24JZ067	Grey	Very Fine	Equigranular	10	Low	Not Magnetic	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24JZ068	Grey	Very Fine		25	Low	Not Magnetic	
NORR24PB016				100	None	*Not recorded*	
NORR24PB017				100	None	*Not recorded*	
NORR24PB018	Dark Green		Foliated		Moderate	*Not recorded*	
NORR24BG001	Grey	Coarse			Low	*Not recorded*	
NORR24BG002	Light Grey	Fine			Low	Not Magnetic	
NORR24BG003	White	Fine			None	Not Magnetic	
NORR24BG004	Pink	Coarse	Equigranular	0	None	Strong	30
NORR24BG005	Grey	Fine		90	Low	*Not recorded*	
NORR24BG006	White	Fine			None	Not Magnetic	
NORR24BG007	White	Fine			Low	Not Magnetic	
NORR24BG008	Grey	Fine		50	Low	*Not recorded*	
NORR24BG009	Grey	Fine			Low	*Not recorded*	
NORR24BG010	Pink	Medium	Equigranular		None	Strong	5
NORR24BG011	White	Fine			None	Not Magnetic	
NORR24BG012	Pink	Fine		10	Low	*Not recorded*	
NORR24BG013	Pink	Coarse	ıequigranular-Porphyritic		None	Strong	10
NORR24BG014	Grey	Fine			Low	*Not recorded*	
NORR24BG015	White	Fine			Low	Not Magnetic	
NORR24JZ069	Dark Grey	Very Coarse	Pebble-Cobble		Low	Not Magnetic	
NORR24JZ070	Dark Green	Very Coarse	Pebble-Cobble		Low	Not Magnetic	
NORR24JZ071	Red	Medium	Inequigranular	25	Low	Strong	15
NORR24JZ072	Red	Medium	Inequigranular	25	Low	Strong	15
NORR24JZ073	Red	Medium	Inequigranular		Low	Strong	15
NORR24JZ074	Pink	Fine	Equigranular	5	Low	Moderate	10
NORR24JZ075	Pink	Fine	Equigranular	15	Low	Moderate	10

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24JZ076	Red	Fine	Equigranular		Low	Moderate	
NORR24JZ077	White	Very Coarse		35	Low	*Not recorded*	
NORR24JZ078	Red	Medium		5	None	Moderate	
NORR24JZ079	Pink			15	Moderate	Moderate	10
NORR24JZ080	Pink Salt and Pepper	Fine	Equigranular	10	Low	Moderate	
NORR24JZ081	Red	Medium	Equigranular		Low	Not Magnetic	
NORR24JZ082	Light Grey	Very Coarse	Pebble-Cobble		Moderate	*Not recorded*	
NORR24JZ083	Light Grey	Very Coarse	Pebble-Cobble		Moderate	*Not recorded*	
NORR24JZ084	Light Grey	Very Coarse	Pebble-Cobble		High	*Not recorded*	
NORR24JZ085	Light Grey	Very Coarse	Pebble-Cobble		High	*Not recorded*	
NORR24JZ086	Pink	Fine			Moderate	Weak	
NORR24JZ087	Light Grey	Very Coarse	Pebble-Cobble		High	*Not recorded*	
NORR24JZ088		Very Coarse	Pebble-Cobble		Moderate	Not Magnetic	
NORR24JZ089	Grey	Very Coarse	Pebble-Cobble		High	Not Magnetic	
NORR24JZ091	Dark Green	Very Fine			Moderate	Not Magnetic	
NORR24JZ092					*Not recorded*	*Not recorded*	
NORR24JZ093	Pink	Very Fine		2	Low	Strong	
NORR24JZ095	Green	Very Fine		35	Low	*Not recorded*	
NORR24JZ096					*Not recorded*	*Not recorded*	
NORR24JZ097	Grey	Very Fine			Low	Strong	
NORR24JZ098	Light Grey	Fine			None	Strong	
NORR24JZ099	Pink	Fine			None	Weak	
NORR24JZ100	Dark Grey	Medium			Low	Strong	
NORR24JZ101	Dark Grey				Low	Strong	
NORR24JZ102	Pink	Fine			None	Weak	
NORR24JZ103					*Not recorded*	*Not recorded*	
NORR24JZ104	Pink	Very Fine	Aplitic	10	Low	Weak	
NORR24JZ105	Pink	Medium	Porphyritic	0	None	Moderate	
NORR24JZ106					*Not recorded*	*Not recorded*	
NORR24JZ090					High	Not Magnetic	
NORR24BG016	Pink	Medium			None	Moderate	
NORR24BG017	Pink	Fine	Foliated		Low	Weak	

		Lithology Description (2)					
Station ID	**Colour**	**Grain Size**	**Texture**	**Vein Percent** ***(if sampled)***	**Deformation Degree**	**Magnetic Degree**	**Ferromagnesian Mineral Percent** ***(Intrusives)***
NORR24BG018	White	Fine		90	None	Not Magnetic	0
NORR24BG019	Pink	Fine			None	Moderate	
NORR24BG020	Pink	Fine			None	Moderate	
NORR24BG021	Dark Grey	Fine			None	Not Magnetic	0
NORR24BG022	Pink	Coarse			Low	Moderate	
NORR24BG023	Pink	Fine			None	Moderate	
NORR24BG024	Pink	Coarse	Inequigranular-Foliated	2	None	Moderate	
NORR24BG025	White	Fine			None	Not Magnetic	0
NORR24BG026	Pink	Medium	Inequigranular		None	Moderate	
NORR24BG027	Pink	Medium	Inequigranular		None	Moderate	
NORR24BG028	Dark Grey	Fine		10	Low	Intense	100
NORR24BG029	Grey	Fine			None	Strong	
NORR24BG030	Grey	Fine			None	Strong	
NORR24BG031	Grey	Fine			None	Strong	
NORR24BG032	Light Grey	Fine	Foliated	0	Low	Strong	
NORR24BG033	Light Grey	Very Fine	Aplitic-Foliated		Low	Strong	
NORR24BG034	Pink	Medium	Inequigranular	25	None	Moderate	
NORR24BG035	Dark Grey	Fine			None	Weak	10
NORR24BG036	Light Grey	Fine		0	None	Moderate	
NORR24BG037	Pink	Medium	Inequigranular		None	Weak	
NORR24BG039	Pink	Medium	Inequigranular	0	None	Moderate	
NORR24BG040	Pink	Fine			None	Moderate	
NORR24BG038	Dark Grey	Fine	Foliated	0	Moderate	Strong	
NORR24JZ008	Light Grey	Very Fine			Low	*Not recorded*	
NORR24PB014	Dark Grey			35	None	*Not recorded*	
NORR24JZ094	White	Very Coarse			Low	*Not recorded*	

		Alteration Description					
Station ID	**Comments**	**Silicification Alteration Intensity** *(1-3)*	**Carbonate Alteration Intensity** *(1-3)*	**Sodic Alteration Intensity** *(1-3)*	**Potassic Alteration Intensity** *(1-3)*	**Ferruginous Alteration Intensity** *(1-3)*	**Alteration Minerals** *(most-least abundant)*
NORR24JR001							
NORR24JR002	Xenoliths from previous station (average 2cm)						
NORR24JR003	Same as JR001, other side of road, Contact may be approximately 310-312						
NORR24JR007	Alternating layers of dark grey and Himalayan salt and pepper						
NORR24JR008	25 cm wide, continuous						
NORR24DG001	Not reactive to HCl. Subrounded cobbles						
NORR24DG002	Cobbles from till						
NORR24DG003	Pink sections due to potential hematite alteration Varies from 1 to 2%. Present mostly in fine grain pink areas where hematite is present. Trace in grey matrix					2	Hematite
NORR24JR009	Magnetism is patchy. Felsic dyke up to 15cm wide parallel to foliation. 1-2cm qtz veining on margins of fyke. Altered basalt, trace Altered basalt, trace py	3			2		Epidote-K-feldspar-
NORR24JZ001	15-20% cg feldspars, dominantly pale pink, with fmg matrix of quartz, ferromagnesian minerals dominantly amp, but possibly retrograde to chlorite due to softness. Salmon salt and pepper With thin section. 50 x 50 x 7 m good exposure.						
NORR24JZ002	Apparently same as ER002, but more intermediate, similar texture. Wisps and dykes/ dykelets intruding (strained into?) foliation plane, some more pod like with late clots of quartz. Appears fairly fresh. May cause k-feldspar alteration of host mafic flow.						
NORR24JZ003	Massive, pod like 30 x 40 cm folded? Minor calcite, trace pyrite? No alteration associated with selvedges of vein No alteration associated with selvedges of vein. Same host rock as ER002 in terms of lithology, strain, alteration.						
NORR24JZ004	Very fine grained, high strain, but similar to past stations					1	Hematite
NORR24JZ005	Syenite to k-fsp granite. Clean whole rock with TS Fairly fresh. Unmineralized Large rolling ridges of uniform intrusion, rare mafic xenoliths < 10 cm and occasional bull quartz veins or clotted k-feldspar/quartz dykelets cut intrusion.						
NORR24JZ006	Dark Pewter with splashes of Atlantic Salmon Fairly fresh, minor potassium alteration associated with rare syenitic dykelets Low rolling outcrops throughout area.				1		K-feldspar
NORR24JZ007	Syenite to k-fsp granite. Fairly fresh. Unmineralized Complex mashing of intrusive and volcanics, contacts irregular, all directions, parallel to perpendicular to fil in basalts, likely a series of anastamosing sills/ dykes at the contact of the larger intrusion.						
NORR24JZ008	Fine grained, strained gabbro to very fine gabbro? Or flow/sill complex. Occasional 1-2cm bull white quartz veins cutting oblique to foliation Very weak potassium alteration of plagioclase? Minor epidote				1		K-feldspar
NORR24JZ009	Slate grey Sampled foliated sulfidized host and 2 cm weakly rusty quartz vein. Sericite parallel to foliation? Rare patchy quartz alteration and on late fractures Dissem fg po > py on the foliation plane both adjacent to and distal from veins suggests more of a primary mode of occurrence Observed over 10 m in 045 strike length.		1		1	1	Sericite
NORR24JZ010	Locally very coarse quartz and amphibole, now clots of biotite Fresh Same as observed on Highway 11 at the other side of the Intrusion						
NORR24JZ011	Weakly foliated, massive basalt, relatively fresh, some epidote and quartz veining sporadic. Contact with intrusion not well defined, likely convoluted/ complex.						
NORR24JZ012	Locally very coarse quartz and amphibole as seen earlier Fresh Same as observed previous, intrusive contact established.						
NORR24BH001							
NORR24BH002							
NORR24BH003							
NORR24BH004							
NORR24BH005	Minor lineation of amphibole minerals						
NORR24BH006							
NORR24DG004	Locally strong magnetism along fractures possibly associated with alteration . Rest of rock is weakly magnetic, dense Dark green						Magnetite-Biotite-
NORR24DG005	Locally strong magnetism along fractures possibly associated with alteration . Rest of rock is weakly magnetic, dense Dark green						Magnetite-Biotite-
NORR24DG006	Quartz veins and ~2 -5 cm dykes of feldespathic composition, fracture filling						
NORR24DG008	Less deformation relative to last station North arrow in the photo is actually pointing south. North is the opposite direction						
NORR24DG009	Less deformation relative to last station 008 North arrow in the photo is actually pointing south. North is the opposite direction						
NORR24DG010	Maybe disseminated secular hematite or a very fine grained nickel sulphide Maybe specular hematite as the mineral cubic and silvery. Possibly a nickel sulphide Moderately deformed gabbro with disseminated silvery mineral. Possibly hematite						
NORR24DG011	Increased biotite relative to station 010. Less silvery minerals Maybe specular hematite as the mineral cubic and silvery. Trace to 1% pyrite Moderately deformed gabbro with disseminated silvery mineral. Possibly hematite						
NORR24DG012	Maybe disseminated secular hematite and more biotite. Undeformed but minor interval is strongly deformed Maybe specular hematite as the mineral cubic and silvery. Possibly a nickel sulphide Undeformed but small localized interval that is strongly deformed. 340/						
NORR24DG013							

		Alteration Description					
Station ID	**Comments**	**Silicification Alteration Intensity** *(1-3)*	**Carbonate Alteration Intensity** *(1-3)*	**Sodic Alteration Intensity** *(1-3)*	**Potassic Alteration Intensity** *(1-3)*	**Ferruginous Alteration Intensity** *(1-3)*	**Alteration Minerals** *(most-least abundant)*
NORR24DG014							
NORR24ER002	In contact with pyroxenite, contact difficult to observe.						
NORR24ER003	Carbonate appears to be filling fracture planes	1	1				Epidote-Calcite-
NORR24ER004	Hosted in cryst tuff						
NORR24ER005	Locally red-rusty						
NORR24ER006	5% qtz eyes that have been stretched. Crystals, or a mafic porphyry? Local disseminated py						Sericite
NORR24ER007	Hosted with mafic volcanic. Tar-1% sulphides						
NORR24ER008	Apparent thickness up to 35-40cm wide. Local yellow to red spots. Tr py Tr						
NORR24JZ013	Fairly fresh fine grained gabbro, maybe coarse flow. Dark grey green Minor hematite. Trace vfg po or py. Low rolling ox's within 40m radius					1	Hematite
NORR24JZ014	Weakly magnetic, strained but not strongly. Veinlets of quartz-epidote with minor spotty calcite. Vfg disseminated po on some fresh surfaces.	1	1				Quartz-Calcite-
NORR24JZ015	Fg puroxenite, beer bottle brown pyroxenes in plagioclase-rich matrix Brown-blue grey Limited alteration, minor epidote and chlorite. Trace py or po Rolling outcrops of good exposure - diabase ridge? Trends roughly N-S						Epidote
NORR24JZ016	Fairly fresh fine grained gabbro, maybe coarse flow . Trace vfg po or py. Low rolling ox's within 40m radius						
NORR24JZ017	Amphibole to chlorite, weak alignment of mafic minerals defines weak foliation throughout outcrop. Narrow pink feldspar/hematite veinlets, late, epidote veinlets, post-strain Trace vfg po or py, blebby, primary. Low rolling oc's within 40m radius				1		Epidote-K-feldspar-
NORR24JZ018	Mafic tuff, ash to lapilli tuff (lapilli dominant), fine grained chloritized matrix with siliceous sulfidized, talc or chl altered felsic intermediate lapilli with rare quartz eyes. Lapilli account for 20-30% of the rock mass. Grey to dark green grey with tan wisps Weakly epidote and chlorite metamorphosed but fairly fresh. Py located within siliceous fragments only. High strain throughout						Epidote
NORR24JZ019	Trace vfg po or py.						
NORR24JZ020	Mafic tuff, ash to lapilli tuff (lapilli dominant), fine grained chloritized matrix with siliceous sulfidized, talc or chl altered felsic intermediate (rhyolite-dacitr=e volcanic ash) lapilli with rare quartz eyes. Lapilli account for 50% of the rock mass. Intense stretching lineation observed on the outcrop. Grey to dark green grey with tan wisps Weakly epidote and chlorite metamorphosed but fairly fresh. Py located within siliceous fragments only. High strain throughout						Epidote
NORR24JZ021	15 cm wide dyke cuts tuffs. Brecciated dyke margins with chloritic matrix. Weakly bleached host tuffs. Composite sample of dyke and breccia, maybe minor wall rock but none observed. A few of these dykes around < 1 m, not always easy to see trend. Seems to be of similar composition to nearby crystal tuff crystals/fragments. Possibly very weak carbonate? Fine grained disseminated pyrite throughout the dyke.						
NORR24JZ022	Quick station to note diversity of hosts in area. Bleaching to tan.						
NORR24JZ023	Same as JZ018 but finer lapilli/ash fragments						
NORR24JZ024	Same as JZ018 but finer lapilli/ash fragments						
NORR24JZ025	Quick point, unaltered fg strained gabbro or basalt?						
NORR24JZ026	Appears to be a mafic cristal tuff with flattened k-feldspar crystals. No quartz eyes observed unlike ER006 Alteration is moderate chloritization, maybe weak silicification	1			1		Chlorite
NORR24JZ028							
NORR24JZ029	Possibly pillowed? Low rounded oc in boulder country						
NORR24JZ030	Patchy oxidation throughout entire ridge would suggest trace to sub-2% sulfides throughout Whispy strained stringers of po oxidizing to hematite. Patchy oxidation throughout entire ridge would suggest trace to sub-2% sulfides throughout unit, in 50+ m area.						
NORR24JZ031	Fine to medium grained gabbro, relatively fresh, minor oxidation, weak strain locally, not well defined. Large ridges observed in air photos are all gabbro as approached/ traversed from the south						
NORR24JZ032	Same as mafic tuffs to the east but only 20-30% lapilli content, generally 1-2 cm. Sericite?				1		
NORR24JZ033	Very fine grained intermediate to mafic dyke (50 cm wide) l crosscutting gabbro, non magnetic, 1 mm cubic to lath like minerals throughout, hardness between biotite and amphibole. No strain noted. Strike is perpendicular to regional foliation.						
NORR24JZ034	Fine grained gabbro, relatively fresh, minor oxidation, weak strain only observed locally. Could be coarse flows. Large ridges observed in air photos are all gabbro as approached/ traversed from the south						
NORR24JZ035							
NORR24JZ036							
NORR24JZ037							
NORR24JR011	Spotty magnetism. Possibly weakly deformed. Area is bouldery, sampled from High confidence outcrop						
NORR24JR012	Spotty magnetism. Possibly weakly deformed. 10% bt. Tr possible fg specular hematite? Cg flow or fg intrusive Ridge outcrop, lots of exposure.						
NORR24JR013	Similar to JR012, more pervasive magnetism, possibly weakly deformed						
NORR24JR014	Spotty magnetism. Possibly weakly deformed.						
NORR24JR015	Coarser grained biotite. Similar mineralogy as previous outcrops 011-014.						Biotite
NORR24JR016	Coarser grained biotite. Similar mineralogy as previous outcrops 011-015, biotite appears to wrapping						Biotite
NORR24JR017	Similar mineralogy as previous outcrops 011-016						Biotite
NORR24JR018	Slaty texture. Ridge outcrop, lots of exposure.						
NORR24JR019	Biotite altered mafic rock Calcite weak		1				Calcite

		Alteration Description					
Station ID	**Comments**	**Silicification Alteration Intensity** *(1-3)*	**Carbonate Alteration Intensity** *(1-3)*	**Sodic Alteration Intensity** *(1-3)*	**Potassic Alteration Intensity** *(1-3)*	**Ferruginous Alteration Intensity** *(1-3)*	**Alteration Minerals** *(most-least abundant)*
NORR24JR020	Banded Iron Formation with clear quarts vein deformed. 1-2% pyrite blebs disseminated. Magnetite rich. BIF						
NORR24JR021	Sub parallel to BIF Qtz vein adjacent to BIF, hosted in volcanics						
NORR24JR022	Banded Iron Formation with minor clear quartz vein. Magnetite rich. BIF						
NORR24JR023	Seemingly less deformed than mafic at JR019. Wedged between two BIF horizons. Biotite altered mafic rock Calcite weak		1				Calcite
NORR24JR024	Local rusty patches Rusted BIF - rusty patch						
NORR24JR025	Sub parallel to BIF Translucent Qtz vein hosted in BIF						
NORR24JR026	Local rusty patches Rusted BIF - rusty patch						
NORR24JR027	Minor qtz veining						
NORR24JZ038	Massive basalt with splashes of pyrrhotite.						
NORR24JZ039							
NORR24JZ040	No intermediate observed.						
NORR24JZ041	Maybe diabase dyke.						
NORR24JZ042							
NORR24JZ043	Moderate to strongly strained, strain increasing into 30 cm wide E-W trending sub-vertical shear. Colour due to alteration in shear, medium green outside shear. Sample from the shear zone itself. Limited quartz veining compared to grab pile. Silicification, quartz veinlets and stringers with spotty hematite, banded green serpentine or talc? Py >> Cpy, py both as deformed stringers with quartz veins, and as later disseminations. Cpy as deformed stringers oxidizing to blue green. Historic prospecting (maybe 30-50 years ago) - rubble quartz veins on surface, several hand pits dug along E-W strike attempting to find shear along 20 m length.	3	2		2		Quartz
NORR24JZ045	High strain lapilli tuff, 40% lapilli < 1 cmof felsic-intermediate, homogeneous composition but done contain fg dissem py, may be silicified. Dissem py in lapilli and barrow stringers crosscutting filiation. Unit < 5 m thick	1					Quartz
NORR24JZ046							
NORR24JZ047							
NORR24JZ048	Quartz vein, weakly laminated with seams of calcite-hematite-sericite and 1% splashes of cpy, py. 7cm wide. Probably subcrop but may be a boulder. Cpy, py and mag						
NORR24JZ049	17U 558090, 5323077						
NORR24JZ050	17U 558108, 5323022						
NORR24JZ051	17U 558098 5322980						
NORR24JZ052	17U 558113 5322960						
NORR24JZ053	Basalt-gabbro 17U 558119 5322909						
NORR24JZ054	17U 558119 5322909						
NORR24JZ055	Gabbro-basalt, minor NW trending quartz veins. Cubic py 17U 558168 5322712		1				Calcite
NORR24BH007	Chloritic shear in mafic volcanic. Adjacent to feldspar dykes and potentially more debris flow.		1				Chlorite
NORR24JV001	Calcite		1				Chlorite
NORR24LS001	Host rock is moderately deformed and there is a localized deformation zone observed of about 50cm, finer grained strongly deformed. Lapilli are more rounded at distance but are more strained within localized deformation zone. The outcrop is crosscut by generation one of feldespathic dykes, folded possibly during deformation, trace to 1% disseminated py, and generation two of a quartz-rich, ferromag-rich intrusion, trace pyrite and post- deformation. Mineralization only in the dykes.						Epidote
NORR24LS002	Deformed along foliation, folded with axial plane along foliation. 70% pink feldspars, 15% mafic minerals, rest qtz. 1% euhedral pyrite.						
NORR24LS003	Late felsic boudinaged dykes, local chilled margins. Cross-cutting local foliation, trace mineralization. More qtz and ferromag minerals than deformed syn-dykes.						
NORR24LS004	E-W oriented lappilli up to 1x5cm. Weak stretching, ratio difficult to determine in larger lapilli/bomb. Rare local qtz veins up to 3cm wide parallel to sub parallel to foliation. Patches of chloritic green						Chlorite
NORR24LS005	Foliated mafic flow, non-magnetic. Biotite or mica is foliation aligned. Epidote commonly associated with qtz veining.						Epidote-Chlorite-
NORR24LS006	Migmatitic trending E-W. protolith inferred mafic volcanic. Cut by late vein set trending NW						
NORR24LS007	Pervasively strongly silicified, difficult to break. In contact with felsic intrusive	3					Quartz-Epidote-
NORR24LS008	Weak local deformation. In contact with silicified mafics. 5% bt, even less epidote						
NORR24LS009	Very large outcrop with lots of exposure, at least 100x30m. No veins observed at all. Unremarkable						Chlorite
NORR24LS010	Mm scale alkali veinlets with chlorite, epidote and tr py Weak pink feldspar veinlet with tr py within veinlets. Wk silicification	1			1		K-feldspar-Quartz-
NORR24LS011	Folds observed within.						
NORR24DG007	Same feldespathic dykes of station NORR24DG006 but stretched (1-5mm) Mafic volcanic with deformed felsic dyklets North arrow in the photo is actually pointing south. North is the opposite direction						
NORR24ER001	Appears to be fracture filling. Up to 8cm wide locally. Hosted in tonalite JZ001 Qtz vein						
NORR24JR010	Magnetism is patchy. In contact with felsic intrusive, possible enclave? Altered basalt, trace py	2			1		Epidote-K-feldspar-
NORR24JZ044	Vein textures vary from laminated to buggy in the debris pile Select pieces of historic prospecting pile mostly quartz veining. See JZ043 for more detailed descriptions. Trace pyrite in vein, mostly along selvages, overall mineralization not as strong as rock collected from shear.	3	2				Quartz-Calcite-Talc
NORR24DG019							
NORR24DG020	Strong deformation defined by quartz and quartz+feldspars augens and penetrative foliation with intercalations of more oxidized planes.						Biotite

		Alteration Description					
Station ID	**Comments**	**Silicification Alteration Intensity** *(1-3)*	**Carbonate Alteration Intensity** *(1-3)*	**Sodic Alteration Intensity** *(1-3)*	**Potassic Alteration Intensity** *(1-3)*	**Ferruginous Alteration Intensity** *(1-3)*	**Alteration Minerals** *(most-least abundant)*
NORR24DG021	Contact between the mafic volcanic and the intrusion at 269						
NORR24DG022	More feldspar visible than previous mafic volcanic. Could be a fine grained gabbro or a coarser grained basalt. Deformation intensity increases towards the north after walking. 4m to the N and we find the same strongly foliated mafic volcanic with quartz augens plus folding observed in this outcrop. Quartz augens in host rock possibly residual product of metamorphism?						
NORR24DG023	More feldspar visible than previous mafic volcanic. Could be a gabbro or a coarser grained basalt.						Biotite
NORR24DG024	Could be a gabbro or a coarser grained basalt.						Biotite
NORR24DG025	Could be a gabbro or a coarser grained basalt.						Biotite
NORR24DG026	Green-grey						
NORR24DG027	Pink granite injections randomly oriented possibly close to a contact or a different phase of the intrusion						
NORR24DG028	Outcrop is predominately a gabbro but there are some intermediate composition (diorite) injections and dykes with no preferred orientation. Localized deformation zone of 10-15cm striking 258.						
NORR24DG029	Green-grey Fine grained gabbro or basalt						
NORR24DG030	Lighter grey and sericitic, also possibly an intermediate volcanic or volcaniclastic. Quartz - feldspar boudinaged and folded veins with alteration halos of green and white mica.						Sericite
NORR24DG031	It could be an intermediate volcaniclastic (lapilli tuff).More quart vein content than station 030.						
NORR24DG032	It could be an intermediate volcaniclastic (lapilli tuff).More quart vein content than station 030.						
NORR24DG033	It could be an intermediate volcanic. Quartz pockets and veins						
NORR24DG034	Unable to find a good foliation plane						
NORR24DG035	Pink granite injections randomly oriented possibly close to a contact or a different phase of the intrusion						
NORR24DG036	Intermediate tuff with feldspar lapilli up to 1mm in diameter						
NORR24DG037							
NORR24DG038							
NORR24DG039	Up to the north						
NORR24DG040							
NORR24DG041	Up to the north						
NORR24LS013	Deformed intermediate volcanics containing folded feldspar-qtz dyklets with minor mafic component. Rims of dyklets appear chloritized. Biotite defines the foliation Chlorite alteration around dyklet rims Mineralization only in the dykes.						Chlorite
NORR24LS014	Pink veinlets observed in the outcrop. Appear late and cross-cutting foliation. Associated with intrusion? Possibly k-feldspar or hematite Tr py associated with dyke veinlets				1		K-feldspar
NORR24LS015	Possibly boudinaged. Along foliation, coarse grained feldspar (k?) and quartz. Minor epidote						
NORR24LS016	Foliated with local E-W folding. Weakly silicified. Trace py along late fracture and in pink veinlets/dyklets. Small papillon and possible bombs along foliation Tr py along fracture surfaces.	1					Epidote
NORR24LS017	Foliated with local E-W folding. Weakly silicified. Trace py along late fracture and in pink veinlets/dyklets. Small papillon and possible bombs along foliation Tr py along fracture surfaces.	1					Epidote
NORR24LS018	Zebra striped texture on fresh faces. Some lapilli observed, sizing generally 0.35cm to 0.2cm. Beds vary in composition from siliceous to chlorite rich. Striped grey-white-green	2					Quartz-Chlorite-
NORR24LS019	Foliated with local E-W folding. Intruded by felsic qtz-feldspar (potassic?) dyke. Pillows stretched E-W with a 1:4 ratio. Tr py along fracture surfaces.						
NORR24LS020	Foliated with local folding. Small lapilli and possible bombs along foliation. Crenellations additionally observed. Qtz vein within trending sub parallel to foliation. Tr py observed in vein selvage.						
NORR24LS021	Primarily feldspar and qtz. Trending approximately 240. Boudinaged. See intermediate flow for pictures. Local mafic xenoliths						
NORR24LS022	Local normal left-lateral offset observed	2					Quartz-Epidote-
NORR24LS023	Zebra striped textured beds. Biotite is metamorphic	1					Quartz-Chlorite-
NORR24LS024		1					Quartz-Chlorite-
NORR24LS025	Wall rock to interpreted post dyke	1					Quartz-Chlorite-
NORR24LS026	Coarse grained centre and fine grained margins, possibly chilled rims? Margin appears to have weak foliation defined by mafic minerals. 3+ cm massive white qtz veins observed within intrusion. Rip-up of wall rock proximal to margins, polyphase						
NORR24LS027							
NORR24JZ027	Very fine grained, sugary unit. Massive, bleaching on weathered surface but light grey on fresh. Maybe laminated, with abundant quartz veinlets <<1mm parallel to foliation? Tuff or flow? Likely folded back on itself in tight fold, plunge uncertain but appears to be shallow to the east. Locally sheared with sinistral shear sense. Light grey to tan, bleaching to a buff tan colour. Possibly sheared dykes or very large bombs of material similar to those seen In tuffs?	2	1				Quartz
NORR24JZ056	Vein and chlorite sheared material				1		Chlorite
NORR24JZ057					1		
NORR24JZ058	Highly silicified, original rock ID uncertain. Seem clastic, lapilli tuff. Could be progressively sheared syenite. Light grey	3					Quartz
NORR24JM001							Sericite
NORR24JM002	Lime green mineral, possible scoridite					2	Hematite
NORR24JM003	Potassic or hematite altered mafic flow				3		K-feldspar

		Alteration Description					
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NORR24DG015	Subrounded and sub angular cobble and boulders up to 20cm. Oblique in shape. BIF and feldspar clasts, mafic volcanic and sedimentary.Signs of strong strain with some feldspar clasts being folded. Patchy magnetism, strong where BIF clasts are. Dark green matrix, fine grained. Could be a volcaniclastic Conglomerate with BIF and feldspar clasts		1				Chlorite-Calcite-
NORR24JM004	Eastern portion of outcrop has protruding green veinlets, visibly harder than the ground mass. Possibly composed of quartz. Recessive portion is pervasively chlorite altered						Epidote-Chlorite-
NORR24JM005							Chlorite
NORR24JM006	Massive mafic flow						
NORR24JM007	Massive mafic flow intruded by syenite dyke						
NORR24JM008	Syenite dyke cross cutting mafic flow, 25cm wide with consistent strike 240 degrees, unknown dip						
NORR24JM010	Quartz diorite Contact with mafic volcanics 058/79						
NORR24JM011	Massive mafic flow Weak foliation perpendicular to contact with syenite						Chlorite
NORR24JM012	Massive mafic flow Weak foliation perpendicular to contact with syenite						Chlorite
NORR24JM013	Quartz diorite Dyke contact 102/89						
NORR24JM014	Massive mafic flow						Chlorite
NORR24JM015	Foliated basaltic andesite						Chlorite
NORR24JM016							
NORR24JZ059	Fragments of syenite in laminated mafic unit up to 7 cm long, looks like a lithic tuff.						
NORR24JZ060	Cuts volcaniclastics but is unfoliated, although foliation in volcaniclastics is wrapping intrusion (strain differentiation), is bisected by NS discrete shears.						
NORR24JZ061	Banded, likely hornfelsed by the intrusion. Very soft, white brim/oxidizing talc-like ? Layered alteration.				2	1	
NORR24JZ062	Bull quartz vein occupying sheared mafic-intrusive contact. Locally folded and brecciated.						
NORR24JZ063	Rusty foliation surfaces.						
NORR24JZ064	Strongly deformed with boudinaged bands up to 5 cm wide, 50 cm long, clasts? Pervasive chlorite metamorphic.				1		
NORR24JZ065	Pretty unaltered, but with fol parallel qtz-carb-epidote stringers and late hairline veinlets.				1		
NORR24JZ066	Amphibole Muscovite schist. Cordiérite? Sediment? Ultramafic?						
NORR24JZ067	Strongly deformed with boudinaged bands up to 5 cm wide, 50 cm long, clasts? Pervasive chlorite metamorphic. Sulfidized bands associated with epidote.				2		Epidote
NORR24JZ068	Strained upper greenschist facies gabbro. 10 cm quartz vein crosscutting. Rusty weathered surfaces due to trace py throughout. Could be ultramafic flow?						
NORR24JZ069	Bull white 10 cm quartz vein, striking NS.						
NORR24JZ070							
NORR24JZ071	Pervasively chloritized. Big topographic drop to the north suggests either intrusive contact or major structure trending EW						
NORR24JZ072							
NORR24JZ073	Plagioclase (?) porphyritic Amphibolite, amphibole equigranular ground mass 2-3 mm with fg interstitial lath like plagioclase, pervasive chloritized amphiboles. 5% powdery altered phenocrysts, subjedral, 5-10 cm throughout. No obvious foliation.						
NORR24JZ074	Crosscuts amphibolite as dykes up to 1 m. Pervasively bleached						
NORR24JZ075	Crosscuts amphibolite and porphyritic syenite as dykes up to 20 m. Coarse grained quartz and k-feldspar. Pervasively bleached						
NORR24JZ076	Crosscuts amphibolite						
NORR24JZ077	Same as before, cut by porphyritic monzonite.						
NORR24JZ078	Quick point to show that we are in interpreted porphyry but is actually pretty consistent gabbro.				1		
NORR24JZ079							
NORR24PB001	Locally pink and apple green near veins Overgrown N-S trench. Strongly altered basalt. Qtz-cc veinlets with no deformation evidence. Pyrite-chalcopyrite stringers associated spatially associated to veinlet but also occuring as patches in veins. Surrounding rubble indicates presences of porphyritic “syenite” dykes .	2	1				Epidote-Hematite-Quartz
NORR24PB002	Redish pink veinlet Outcrop similar to trench but less altered. Basalt crosscut by qtz-cc hematite mm-scale veinlet with patches of py-cpy associated to it. Swlvage is epidote and hematite						Hematite-Epidote-
NORR24PB003	Basalt crosscut by veinlets of epidote and diss hematite. They define foliation but sourced from cm-thick qtz-cc veins. Py and cpy associated to vqtz-cc veins.	1	1				Epidote-Hematite-Quartz
NORR24PB004	Dyke north of trench. Dm thick dyke. Chlorite in patches (replacing FM?)						Chlorite-Hematite-Sericite
NORR24PB005	Basalt crosscut by veinlets of epidote and diss hematite and qtz-cc veins.	1	1				Epidote-Hematite-Quartz
NORR24PB006							
NORR24PB007							
NORR24PB008							
NORR24PB009							
NORR24PB010	White weathering						
NORR24PB011							
NORR24PB012							

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NORR24DG016	Fragmental unit, Subrounded and sub angular cobble and boulders up to 20cm. Oblique in shape (rotated). BIF and feldspar clasts (possibly syenitic), mafic volcanic and sedimentary clasts. Fine grained dark green matrix. Could be a volcaniclastic. Conglomerate						
NORR24JZ059							
NORR24JZ060							
NORR24JZ061	Hematized, k-feldspar, quartz-carbonate altered and veined, protolith not readily identified, float from trench. 3% disseminated pyrite.		2		3	2	
NORR24JM017	Sample taken of contact between mafic flow and minor syenite dyke. Epidote and hematite alteration. Has pyrite in host rock.						Epidote-Hematite-
NORR24JM018		1					Chlorite-Quartz-
NORR24JM019	Same as sample K518309 but stronger silica alteration, surface weathers light pink as opposed to grey	3					Quartz-Chlorite-
NORR24JM020	Same as sample K518309 but stronger silica alteration, no veining	3					Quartz-Chlorite-
NORR24JM021							
NORR24JM022		1					Epidote-Quartz-
NORR24JM023	Sulphides following epidote/carbonate fractures in addition to primary sulphides		1				Epidote-Chlorite-
NORR24JM024	Sampled from light cream folded portion of outcrop	2	1				Quartz-Chlorite-Epidote
NORR24JM025	10 cm offset defined by 1 cm qtz veins and mild change in litho colour						Chlorite
NORR24JM026		2					Quartz
NORR24JM027	Nearly 1 cm muscovite crystals seems from weathered rock surface Plus pink	1	1				Quartz-Epidote-
NORR24JM028	Dark blue quartz vein						Epidote
NORR24JM029	From vein margin host rock Up to half centimetre pyrite cubes	1					Sericite-Quartz-
NORR24JM030	Possible blue qtz tension gashes or some type of non penetrative cleavage, localized striking 152° Plain host rock	1					Sericite-Quartz-
NORR24JM031	Vein is following contact between intermediate volc and intermediate intrusive? Contact parallel to foliation						
NORR24JR031	Local rusty colour Appears to follow foliation planes Some areas have coarser grains, possibly due to metamorphism		1				
NORR24JR032	Local stronger deformation, possibly amphibolite Lapilli lighter in colour Very effervescent Metamorphism increases to the North, chlorite alteration wraps harder grain (amph?)		1				Biotite-Chlorite-
NORR24JR033	Local rusty colour More massive, for litho description see jr031						
NORR24JR034	Altered bombs present Lapilli lighter in colour Very effervescent		1				Biotite
NORR24JR035	Foliated clusters of mica, bombs and lapilli appear to be stretched and altered Lighter coloured lapilli and bomb						
NORR24JR036	bombs and lapilli appear to be stretched and altered, pink veinlets locally Lighter coloured lapilli and bomb Feldspar? Forming veinlets				1		
NORR24JR037	Weak possibly potassic less than 0.5 cm, look Undeformed Weathers white towards surface						
NORR24JR038	Weakly to moderate Local rusty colour Pyrite stringers/veinlets Some areas have coarser grains, similar to jr037 possibly due to metamorphism Locally 1-5% sulphides						Biotite
NORR24JR039	Pink beige lapilli/bombs Feldspar? Forming veinlets or altering stretched Clasts				1		
NORR24JR040	Strongly foliated, schistose texture. Localized mineralization in more competent rock, tr to local 2% py stringers and pods parallel to foliation Local rusty colour Pyrite stringers and pods Some areas have coarser grains, similar to jr037 possibly due to metamorphism Locally 1-5% sulphides						Biotite
NORR24JR041	Possible pink dyke? 40 cm wide						
NORR24JR043	Kfs porphyritic? Mica rich pockets Spotted pink Sampled from blast pile						
NORR24DG042	Tr to local 1% py on fracture Tr to local 1% py on fracture planes						
NORR24DG043							
NORR24DG044	Feldspar (pink) grains. Quartz Veins (possibly late) striking N-S.						
NORR24DG045	Magnetism is patchy. Dark brown mineral magnetic. Could be pyrhotite? Feldspar or hem alteration in the margins of the vein. Alteration halo of up to 8cm around the vein defined by chl and ep. Veins up to 24cm width.						
NORR24DG046	Quartz vein and host rock Ep-chl-feldspar/hem alteration around veins						
NORR24DG047	Possible bt and trace py. Very fine grain						
NORR24DG048	Epidote+quartz veins (1-3cm) throughout the outcrop. Abundant exposure, but all looks the same. No quartz+feldspar veins as in previous stations						
NORR24DG049	Epidote veins throughout the outcrop						
NORR24DG050	Quartz vein and host rock Py mainly in vein salvages, vuggy texture. Quartz + epidote veins of up to 5cm. Multiple generations of qtz veins.						
NORR24DG051	Quartz vein from pile on top of outcrop. Evidence of quartz veining in situ. Magnetism is patchy, content of magnetite or pyrrhotite? Py in vein salvages but occasionally in the vein in the form of stringers						
NORR24DG052	Quartz vein from pile on bottom of the outcrop. Magnetism is patchy, content of magnetite and/or pyrrhotite? Py in vein salvages but occasionally in the vein in the form of stringers. Py mostly concentrated in feldspar/hem in margins of vein Dirty white. Starting to look light grey						
NORR24DG053	In situ sample.Magnetism is patchy, content of magnetite and/or pyrrhotite? Py in vein salvages but occasionally in the vein in the form of stringers. Py mostly concentrated in feldspar in margins of vein. Confirmed is feldspar (nice cleavage observed) Dirty white. Starting to look light grey						K-feldspar

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NORR24DG054	Possible trace pyrrhotite. Outcrop is next to what looks like an old road going N-S						
NORR24JM032	Primary amphibole and magnetite. Western side of outcrop has 20 cm sinistral offset. Pink and black Whole rock of magnetic (pink) diorite (probably syenite)						
NORR24JM033	Green and pink grains in medium grey matrix Massive sample of intermediate intrusive, not pink.						
NORR24JM034	Has purple or pink hue Massive qtz vein in pink diorite						
NORR24JM035	Diabase dyke trending 011/89 (low conf dip) Very magnetic diabase dyke intruding into the intermediate intrusive (not the pink one) with primary pyrite mineralization						
NORR24JM009	Quartz vein being cut by syenite dyke Translucent grey						
NORR24JR042	Some weak quartz veining, deformation pervasive but unable to measure Dark grey pink Possibly hematite staining						
NORR24JZ001	Fine grained magic to intermediate fine grained volcanic. Medium grey NOR24JZ100		1				Calcite
NORR24JZ002	Fine grained magic to intermediate fine grained volcanic. Medium grey NOR24JZ101		1				Calcite
NORR24JZ003	Dark fine grained weakly foliated basalt. 1-4% vfg disseminated py and 1% py stringers. <0.5 mm calcite veinlets. Very dense.		1				
NORR24JZ004	Dark fine grained weakly foliated basalt. Mineralized sample associated with 25% calcite-quartz-chlorite and ankerite veining, 5-15% disseminated to semi-massive pyrite in vein selvages. Pervasive moderate silicification of host rock adjacent to vein. Nor24JZ105	2	1			2	Quartz-Chlorite-Ankerite
NORR24JZ005	Pink potassic intrusive, epidote veinlets to veins, extensional with 2-3 cm fibrous serpentine. Trace vfg disseminated pyrite. Foliated but likely not insitu so no measurement. Dark pink to red. Epidote veins and potassic alteration of feldspar. Biotite interstitial. 105. Possibly very large boulder (> 10 m?)				3	3	K-feldspar-Epidote-
NORR24JZ006	Fine grained massive basalt, trace to 1% disseminated pyrite, calcite-epidote-chlorite fractures, with 1% py and Trace oxidized Cu minerals, approximately trending North. 106	1	2			1	Quartz-Epidote-Calcite
NORR24JZ007	Mafic 'syenite', euhedral grungy/oxidizing feldspar crystals in fine grained biotite (weak to chlorite) matrix. 2-3% vfg pyrite throughout, disseminated. Locally strained/sheared with transposed pyrite. Evidence for local oxidized Cu mineralization. Black with pink spots Py > cpy? 107				3	2	Hematite-Chlorite-
NORR24JZ009	Mafic lapilli tuff, carbonate veining throughout, strongly foliated, 5-7% fg disseminated splashy pyrite. Vuggy oxidizing weathered surfaces.	2	2			2	Calcite-Chlorite-Quartz
NORR24JZ010	Slaty Huronian mudstone 110						
NORR24PB013	Located next to intermediate pink feldspar intermediate intrusion Dark see blue						Epidote
NORR24PB015	Chlorite replacing FM matrix between fsp crystals Pink when fresh, forest green where chlorite more prevalent Intermediate intrusion cut by 2-3 mm veinlets of cb+/-qtz with diss discrete chalcopyrite(mm euhedral shape). Chloritization partially replace fm matrix and overprint fsp locally					1	Chlorite-Calcite-
NORR24JZ059	Red intrusive, quartz syenite, 15-20% femag minerals. Weak pinkification and moderate chloritization within brittle shear tails 10 cm from vein. Medium grained, weak to moderate foliation increasing near 5-15 cm banded quartz-chlorite-tourmaline (?) veins, chlorite stringers throughout. Local grey quartz tension gashes. Possible dextral movement on veins (shear vein?) Foliation is also spaced cleavage No sample, need channel saw.				1	2	K-feldspar-Chlorite-Hematite
NORR24JZ060	Fine grained salmon to dark pink quartz syenite. Apparent k-feldspar and hematite alteration of hose. Discrete < 1m wide 'magic' sheared sections trend roughly E-W, strongly foliated, chlorite altered syenite most likely. Quartz chlorite veinlets locally with splashy cpy, irregular orientations. Dark to light pink	1			2	2	K-feldspar-Chlorite-
NORR24JZ061	6 m thick Quartz tourmaline-chlorite-albite shear vein, laminated wall rock of intrusive and volcaniclastic (mafic tuff?) strongly foliated and sheared margins and wall rock slivers over 5 m away from vein. Dextral offset markers. Polyphase deformation, vein varies but mineralization with sulfides is likely pre-syn, bulk of vein is syn, and late qtz tension gashes are post deformation. Sample is of more mineralized, possibly earlier phase of veins. Oxidizing early quartz tourmaline albite veins with pyrite, chalcopyrite, and sphalerite locally. Py, cpy, sph	2			2	2	Albite-Chlorite-Tourmaline
NORR24JZ062	Oxidizing early quartz tourmaline albite veins with pyrite, chalcopyrite, and sphalerite locally. 6 m thick Quartz tourmaline-chlorite-albite shear vein, laminated wall rock of intrusive and volcaniclastic (mafic tuff?) strongly foliated and sheared margins and wall rock slivers over 5 m away from vein. Dextral offset markers. Polyphase deformation, vein varies but mineralization with sulfides is likely pre-syn, bulk of vein is syn, and late qtz tension gashes are post deformation. Sample is of less mineralized, bulk of 6 m quartz-tourmaline vein. Py, cpy, sph	2			2	2	Albite-Chlorite-Tourmaline
NORR24JZ063	Strongly foliated host rock along with intrusion - foliated and as laminations in vein. Forms shallow W plunging stretching lineations. Pervasive chloritization, sericite (?). Albite and ankerite alteration locally. Schist.		1		1	3	Chlorite-Ankerite-Epidote
NORR24JZ064	Massive, fine grained, equigranular intrusion? Pervasively silicified, cloudy, feldspars altered where observed. Crosscutting hematite-epidote-chlorite stringers, veinlets with diffuse 1-10 cm alteration haloes. Anastamosing, branching, generally trending 045. Horsetail of structure? 20 % of rock mass. Hairline chlorite veinlets throughout, late? Sample is of unveiled host for characteristization. Locally cut by 2 cm syenite dyke with 4 cm albite alteration halo. Light grey green	3			1	2	
NORR24JZ065	Set of oxidizing, narrow py mineralized fractures at south end of trench spaced 50-100 cm. Pervasive albitization, vuggy pyrite pods 5-10 cm.						
NORR24JZ066	Diabase/ fine grained magnetic mafic dyke.						
NORR24JZ067	Fine grained volcanic, likely mafic, moderately siliceous, 3-5% vfg disseminated py and hairline quartz veinlets up to 10%. Silica flooding and hairline quartz veinlets.	2					Quartz

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NORR24JZ068	Pillowed flow, pillows elongated in E-W orientation. 1-2 cm calcite/ankerite-quartz veinlets with oxidation and 2% disseminated pyrite on vein selvages. Weak oxidation on pillow selvages. Sample dominantly of veins. Spaced sulfidized fractures trend 075, locally with pods of chlorite and calcite. Late calcite-chlorite tension gashes 2 cm wide 30 cm long trend 355						
NORR24PB016	Sample collected from 5 different location in veins. Chips crushed in sample bag with hammer then split into 2 samples bags Sulphides veins are post qtz vein, cracking and filling it					2	Chlorite
NORR24PB017	Sample collected from 5 different location in veins. Chips crushed in sample bag with hammer then split into 2 samples bags Sulphides veins are post qtz vein, cracking and filling it					2	Chlorite
NORR24PB018	Dark sea blue Pillow flow with rim filled by pyrite						Pyrite
NORR24BG001	3cm thick coarse grained qtz vein in Cairo stock						
NORR24BG002	2-15cm thick irregular qtz-ank-chl vein with minor mod foliation on edge of vein.						
NORR24BG003	Massive vein, suspect tension veins from fol parallel veins but no relationship observed						
NORR24BG004	Equigranular pink coarse grained intermediate intrusion with 25-30% chlorite after suspect biotite. Rock is undeformed unless near shear veins. No sulphide. Rock is strongly magnetic throughout. Pink and green chl replacement of bio					2	Chlorite
NORR24BG005	6-10cm thick fine grained qtz-ank-chl-py vein in Cairo stock. Vein in shear or shear vein? High strain zone spans roughly 40cm on each side of vein and is vein parallel. Possible C-S relationship shows dextral movement on shear. Outcrop is strongly lichen covered Sample of shear vein with minor intrusion host rock						
NORR24BG006	Massive vein, suspect tension veins from fol parallel veins but no relationship observed						
NORR24BG007	Massive vein, sigmoidal tension gashes?						
NORR24BG008	30cm thick sulphidized zone including numerous 1cm thick qtz-carb-chl-py veins parallel to higher strain. Possible C-S relationship shows dextral movement on shear. Outcrop is strongly lichen covered Sample of shear vein and intrusion host rock in high strain sulphidized 30cm thick zone						
NORR24BG009	6cm thick qtz-carb-chl +\-py vein in high strain zone measuring 20cm. Possible C-S relationship shows dextral movement on shear. Outcrop is strongly lichen covered						
NORR24BG010	Equigranular light pink to gray medium grained intermediate intrusion with 5% chlorite after suspect biotite or amph?. Rock is undeformed unless within higher strain zone. No sulphide. Rock is strongly magnetic throughout. Chlorite fracture slip planes locally observed Light pink and gray						
NORR24BG011	Massive vein, suspect tension veins from fol parallel veins but no relationship observed						
NORR24BG012	2-3cm thick qtz-pink carb-chl veining 5cm thick high strain zone Very minor high strain zone up to 5cm thick with qtz-pink carb-chl veinlets within. Sample dominantly intermediate intrusion host rock hosting minor ankerite alt		1				
NORR24BG013	Inequigranular light pink to gray medium grained intermediate intrusion with 10% chlorite after suspect biotite or amph?. Rock is undeformed unless within higher strain zone. No sulphide. Rock is strongly magnetic throughout. Unit is weakly porphyritic with light pink subhedral feldspars up to 9mm long and locally zoned. Light pink and gray						
NORR24BG014	4cm thick qtz-carb-chl +\-py vein in high strain zone measuring 20cm. Possible C-S relationship shows dextral movement on shear. Outcrop is strongly lichen covered						
NORR24BG015	Massive vein, sigmoidal tension gashes?						
NORR24JZ069	Conglomerate, historically mapped as temiskaming. Weak foliation. Subrounded clasts of mudstone, whispy basalt (mud?) and felsic sericite altered clasts, 10% of unit. 1% fg disseminated silvery py. Sericite as clast replacement only. Pyrite.		1		1	1	Chlorite-Sericite-Calcite
NORR24JZ070	Conglomerate, temiskaming. Weak foliation defined by chlorite > sericite. Subrounded to subangular clasts of mudstone, pink intrusive, sericite altered felsics?, quartz vein clasts, 20 % of unit. 1-3 % fg disseminated silvery py disseminated and as stringers. . Sericite as clast replacement only. Pyrite.		1		1	1	Chlorite-Sericite-Calcite
NORR24JZ071	Brick red, magnetic fine to medium grained intrusion. Pervasive kspar(?), spaced 10-20 cm quartz-(tourmaline) veins to veinlets <2cm) at variable orientations but seem to partially trend NS. Hairline chlorite veinlets throughout. Possible trace disseminated pyrite with chlorite. No significant sulfides noted in veins but local spotty 2-3 mm py. Brick red. Sample focused on veining. Pervasive k feldspar locally observed rimming/ replacing albite/ plagioclase. Discrete hairline calcite veinlets.		1		3	2	K-feldspar-Chlorite-Calcite
NORR24JZ072	Brick red, magnetic fine to medium grained intrusion. Pervasive kspar(?), spaced 10-20 cm quartz-(tourmaline) veins to veinlets <2cm) at variable orientations but seem to partially trend NS. Hairline chlorite veinlets throughout. Possible trace disseminated pyrite with chlorite. No significant sulfides noted in veins but local spotty 2-3 mm py. Brick red. Sample focused on limited alteration. Collected to attempt to create grant isochronique alteration plots to compare with young Davidson. Pervasive k feldspar locally observed rimming/ replacing albite/ plagioclase. Discrete hairline calcite veinlets.		1		3	2	K-feldspar-Chlorite-Calcite
NORR24JZ073	Brick red, magnetic fine to medium grained intrusion. Pervasive moderate kspar spaced 1-5cm anastamosing cm quartz-chlorite veinlets <5 mm trend NS. Possible trace disseminated pyrite with chlorite. Brick red. Pervasive k feldspar locally observed rimming/ replacing albite/ plagioclase. Discrete hairline calcite veinlets.		1		2	2	K-feldspar-Chlorite-Calcite
NORR24JZ074	Fine grained weakly strained, weakly k-feldspar altered with spotty ankerite, causing rusty appearance in. 5% of unit. Weak fabric defined by chlorite trends 030. Collected for WR isochon comparison. Ankerite with chlorite defining foliation. Weak lapse after plgioclase not dominant.		2			1	Ankerite-Chlorite-
NORR24JZ075	weakly strained, moderately k-feldspar altered with spotty ankerite, causing rusty appearance. 10-20 cm spaced 1-2 cm wide quartz tourmaline veins <1 cm trend NS. Veined sample. Pervasive moderate lapse Ankerite with chlorite defining foliation.		2		2	1	Ankerite-K-feldspar-

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NORR24JZ076	Moderately kspar altered, slicks of chlorite, 10% spotty ankerite. For WR grant isochon work.		2		2	2	Ankerite-K-feldspar-Chlorite
NORR24JZ077	Bill white to translucent chunky quartz vein breccia, no visible sulfides. 30 cm wide vein swarm in subcrop spalling off of low intrusion, rough N-S orientation in subcrop.						
NORR24JZ078	Brick red Sampled for WR grant isochon alteration comparison. Pervasive hematite-kspar throughout, chlorite stringers and moderate disseminated calcite+\- ankerite.		2		3	2	K-feldspar-Calcite-Hematite
NORR24JZ079	Vein swarmed moderately altered intrusive, hairline to 1cm quartz-tourmaline-ch'orite veinlets, vein swarm, anastamosing with 045 strike between this point and JZ080. Trace to 1% fg pyrite casts along slips? Likely evidence for thoroughgoing deformation zone in the syenite. Fairly unassuming but trends to both Biralger and Denis-driveway showings.				2	2	
NORR24JZ080	Grungy pink syenite, calcite veins with 1% spotty chalcopyrite and flourite. Strain trends 045. Kspar > chlorite. Chalcopyrite.				2	2	
NORR24JZ081							
NORR24JZ082	Temiskaming conglomerate, dominant 2-5 cm rounded clasts of felsic volcanic (?), sericitized, and mudstones. Pervasively moderately sericitized. Weak stretching lineation plunges steeply to the south. Light grey to beige Sericite > chlorite > calcite		1		2	1	Sericite
NORR24JZ083	Temiskaming conglomerate, dominant 2-5 cm rounded clasts of felsic volcanic (?), sericitized, and mudstones, iron formation clasts. Pervasively strong sericite, moderate ankerite calcite veinlets anastamosing throughout. 3-4% pyrite stringers. Light grey to beige Sericite > ankerite > calcite	1	2		3	1	Sericite-Calcite-Ankerite
NORR24JZ084	Temiskaming conglomerate, dominant 2-5 cm rounded clasts of felsic volcanic (?), sericitized, and mudstones, iron formation clasts. Pervasively strong sericite, moderate ankerite calcite veinlets anastamosing throughout. 3-4% pyrite stringers with cpy Light grey to beige Sericite > silica > ankerite > calcite Pyrite	2	2		3	1	Sericite-Calcite-Ankerite
NORR24JZ085	Temiskaming conglomerate, dominant 2-5 cm rounded clasts of felsic volcanic (?), sericitized, and mudstones, iron formation clasts. Pervasively strong sericite, moderate ankerite calcite veinlets anastamosing throughout. 3-4% pyrite stringers with cpy Light grey to beige Sericite > silica > ankerite > calcite Pyrite	2	2		3	1	Sericite-Calcite-Ankerite
NORR24JZ086	Fine grained intrusive? 5% disseminated sulfides, pyrite. Chip from several subcrop (?) possibly defining dyke of Cairo stock in sediment. Uncertain trend.						
NORR24JZ087	Temiskaming conglomerate, dominant 5-10 cm rounded clasts of felsic volcanic (?), sericitized, and mudstones, iron formation, quartz vein, gabbro clasts. Pervasively strong sericite defining foliation and stretching around clasts. Light grey to beige Sericite > silica > ankerite > calcite Pyrite	2	2		3	1	Sericite-Calcite-Ankerite
NORR24JZ088	Moderate strain localized to mudstone matrix and more sedimentary clasts types. 1 - 30 cm clasts of felsic intrusive and volcanic, magic volcanic and intrusive, mudstone, quartz vein clasts. Overall unaltered. Minor oxidation of matrix. Boudinaged clasts with Greens just facies mmm of matrix, dominant green chlorite. Local chlorite-sericite-ankerite-pyrite alteration along foliation planes (sampled).						
NORR24JZ089	Very high strain, sericitized temiskaming clast supported conglomerates. 1 - 30cm clasts of mostly felsic intrusive and volcanic, and highly strained mafic volcanics, subrounded, 8:1, 8:3 to 16:1 stretching steeply to the SW. pervasive weak silicification. Chlorite rich matrix.	1					Sericite
NORR24JZ091	Hem stringers and hem staining usually associated with py.		2				Sericite-Calcite-
NORR24JZ092	TEMISKAMING						
NORR24JZ093	Strongly magnetic aplitic syenite dyke. Pervasively silicified, hairline quartz-magnetite veinlets throughout, 20% of unit. Trace to 1% fg disseminated pyrite. Later bull-grey quartz veins, 1 cm to local vein breccia. Extremely hard and dense, originally thought it was diabase. Dyke approximate trend estimated using resistive ridge is roughly 040. Potential fuchsine xenoliths? Grey-pink	3			2		Quartz-K-feldspar-Magnetite
NORR24JZ095	Sericitized/chloritized mafic volcanic, massive. Sampled grey quartz veins < 2 cm with spotty ankerite and 4% blebby chalcopyrite and magnetite Chalco > pyrite	2			2	2	Sericite-Albite-
NORR24JZ096	Silicified with ankerite.						
NORR24JZ097	Intensely Silicified with ankerite and sericite. Disseminated magnetite. Buff grey.						
NORR24JZ098	Silica, sericite, ankerite altered basalt (intrusion?). Intensity of alteration varies through outcrop from moderate to strong Light green-grey	3	2				Quartz-Sericite-Ankerite
NORR24JZ099	Pink fine grained. Unable to sample but seemingly unaltered.						
NORR24JZ100	Dark grey up to 1-1.5 cm qtz veins with chl and mag. Look like tension veins trending 240/65 Pink and dark grey						Chlorite
NORR24JZ101	240 to E-W trending 1cm tension quartz veins						
NORR24JZ102	Pink fine grained. Unable to sample but seemingly unaltered.						
NORR24JZ103							
NORR24JZ104	Grey-pink aplitic sugary unit, could be altered intrusion or basalt. Most likely fine grained altered intrusive phase. Epidote- silica-albite alteration throughout, local hairline calcite veinlets, locally magnetic. Very fine grained. Tracy py. Pink-grey-green Chips from several of in vicinity Silica-albite/kfeldspar-epidote-chlorite	3	2	1	2		
NORR24JZ105	Porphyritic K-feldspar syenite, for whole rock. Least altered. Could not find anomalous grab in vicinity. Both aplitic and porphyritic phases in vicinity, aplitic phases are likely later dykes of porphyritic phase but no contacts observed.						
NORR24JZ106	Porphyritic k-feldspar syenite.						
NORR24JZ090	SYN TEMISKAMING VOLCANIC LAYER. About 1 m wide zone of a fine grained medium grey rock with darker chloritic horizons and small clasts (lapilli?) to up to 15cm stretched clasts.	1			2	2	Chlorite-Sericite-
NORR24BG016	5-10% chlorite as replacement of ferromagnesians and minor chlorite fracture fills. No mineralization					1	Chlorite
NORR24BG017	Subcrop? Large ridge of angular boulders but one sections looks like it could potentially be outcrop. Intrusion is weakly foliated with strike trend of 70. No structure entered due to lower conf in outcrop.						

		Alteration Description					
Station ID	**Comments**	**Silicification Alteration Intensity** *(1-3)*	**Carbonate Alteration Intensity** *(1-3)*	**Sodic Alteration Intensity** *(1-3)*	**Potassic Alteration Intensity** *(1-3)*	**Ferruginous Alteration Intensity** *(1-3)*	**Alteration Minerals** *(most-least abundant)*
NORR24BG018	Qtz-hbl or tourmaline vein cutting syenite intrusion Minor host rock						
NORR24BG019						1	
NORR24BG020						1	
NORR24BG021	Qtz only tension veins? Unable to sample from flat surface						
NORR24BG022	Dominantly Equigranular with minor kspar crystals up to 1.5cm long.						
NORR24BG023	Minor reddish staining and irregular white qtz veining						
NORR24BG024	Minor reddish staining (suspect hem) + chlorite around tension white qtz vein margins. Rare basalt xenoliths Dominantly intrusion with wk-mod reddish hem staining and chlorite alt surrounding white qtz tension veining					2	Hematite-Chlorite-
NORR24BG025	Qtz only tension veins						
NORR24BG026	Minor reddish staining (suspect hem) + chlorite throughout outcrop. Local 20cm thick breccia with black matrix and higher mag. Possible pseudotachylite? In angular float beside outcrop there are magnetite veins cutting the intrusion Dominantly intrusion with wk-mod reddish hem staining and chlorite alt. In angular float beside outcrop there are magnetite veins cutting the intrusion					2	Hematite-Chlorite-
NORR24BG027	Syenite with reddish staining (suspect hem) + weak chlorite throughout outcrop. Local magnetite +/- quartz veins up to 1cm thick associated with minor strain. Veins are striking 208. On northern end of outcrop there are black "cherty" looking veins, hard to tell if these also host magnetite since mag is no different than host intrusion. intrusion with wk-mod reddish hem staining and wk chlorite alt. Local magnetite veins up to 1cm thick cutting the intrusion with minor increased strain beside vein. Vein are locally boudinaged. Veins can also host minor quartz.					2	Hematite-Chlorite-
NORR24BG028	100% magnetite vein up to 1cm thick with minor strain associated with ctct. Second magnetite vein hosts minor qtz within Sample targeting massive magnetite vein up to 1cm thick cutting intrusion. Sample is 10% vein, 90% host intrusion						
NORR24BG029	Strongly magnetic basalt (intrusion?) with minor qtz-carb veining. No sulphides observed. Outcrop is undeformed. Light green-grey Strongly magnetic basalt with minor qtz-carb veining. No sulphides		1				Calcite
NORR24BG030	Strongly magnetic basalt (intrusion?) with minor qtz-carb veining. No sulphides observed. Outcrop is undeformed. Light green-grey Strongly magnetic basalt with minor qtz-carb veining. No sulphides		1				Calcite
NORR24BG031	Strongly magnetic basalt (intrusion?) with minor qtz-carb veining. No sulphides observed. Outcrop is undeformed. Light green-grey Strongly magnetic basalt with minor qtz-carb veining. No sulphides		1				Calcite
NORR24BG032	Silica, sericite, ankerite altered basalt (intrusion?) with moderate magnetite stringers post-foliation throughout unit Sil-ser-carb Altered magnetic basalt. Magnetite stringers throughout unit.	1	2				Quartz-Sericite-Ankerite
NORR24BG033	Aplite to fg intrusion with mod ser-carb alt and common magnetite stringers throughout. Alteration and veining look very similar to previous altered basalt outcrop but this unit has a more sugary texture and is light brownish gray even when wet. Light brownish gray Aplite to fg intrusion with mod ser-carb alt and common magnetite stringers throughout. Alteration and veining look very similar to previous altered basalt outcrop but this unit has a more sugary texture and is light brownish gray even when wet.		2				Sericite-Ankerite-
NORR24BG034	Minor reddish staining (suspect hem) + chlorite throughout outcrop. Common shallow qtz +/- magnetite veins cutting throughout outcrop. intrusion with wk-mod reddish hem staining and chlorite alt. Common qtz veins with minor magnetite. Host rock is locally rusty.					2	Hematite-Chlorite-
NORR24BG035	Qtz veining with minor magnetite						
NORR24BG036	Basalt outcrop with local pockets of strong pervasive silicification and red staining (suspect hematite). Unit is much less magnetic in altered zone. No sulphide present. Unit looks like aplite station which we debated on altered basalt or aplite. Light gray pink Silicified bleached basalt with weak hem alt.	3	1				Quartz
NORR24BG037	Minor reddish staining (suspect hem)						
NORR24BG039	Minor reddish staining (suspect hem) Clean WR sample of intrusion. Took sample to compare to drillhole at ctct between basalt and intrusion						
NORR24BG040							
NORR24BG038	Suspect altered basalt but unsure due to alteration. Unit is light brownish pink on the weathered surface and mod gray ish brown on the fresh surface. Unit has mod pervasive sil-ser alt with 1% vfg diss py. Unit is moderately deformed with well formed foliation as opposed to the massive intrusion on north side of outcrop. Dark blue gray Altered basalt (???) in contact with Syenite intrusion. Basalts are higher strain, with mod sil-ser alteration and 1% vfg diss py Mod pervasive sil-ser and suspect carb alt	2	1				Quartz-Sericite-
NORR24JZ008	Pervasively silicified with chlorite-pyrite stringers. Oxidizing surfaces.	3	1			2	Quartz-Chlorite-
NORR24PB014		3				1	Quartz-Chlorite-
NORR24JZ094	White quartz vein breccia cutting syenite dyke. Seemingly uninteresting, no visible sulfides.						

	Mineralization Description			
Station ID	**Total Sulfides** *(%)*	**Total Sulfates** *(%)*	**Total Oxides** *(%)*	**Metallic Minerals** *(most-least abundant)*
NORR24JR001				
NORR24JR002				
NORR24JR003				
NORR24JR007				
NORR24JR008				
NORR24DG001				
NORR24DG002				
NORR24DG003	2			Pyrite
NORR24JR009		1		Pyrite
NORR24JZ001				
NORR24JZ002				
NORR24JZ003				
NORR24JZ004				
NORR24JZ005				
NORR24JZ006				
NORR24JZ007				
NORR24JZ008				
NORR24JZ009	3			Pyrrhotite
NORR24JZ010				
NORR24JZ011				
NORR24JZ012				
NORR24BH001				
NORR24BH002				
NORR24BH003				
NORR24BH004				
NORR24BH005	1	0	0	Pyrite
NORR24BH006	1	0	0	Pyrite
NORR24DG004				
NORR24DG005				
NORR24DG006				
NORR24DG008				
NORR24DG009				
NORR24DG010		0	2	
NORR24DG011	1	0	0	Pyrite
NORR24DG012		0	1	
NORR24DG013		0	0	

	Mineralization Description			
Station ID	**Total Sulfides** *(%)*	**Total Sulfates** *(%)*	**Total Oxides** *(%)*	**Metallic Minerals** *(most-least abundant)*
NORR24DG014				
NORR24ER002				Pyrite
NORR24ER003				
NORR24ER004				
NORR24ER005				
NORR24ER006		1		Pyrite
NORR24ER007		1		Pyrite
NORR24ER008		1		
NORR24JZ013				Pyrrhotite
NORR24JZ014	1			Pyrrhotite
NORR24JZ015	1			Pyrrhotite
NORR24JZ016				Pyrrhotite
NORR24JZ017	1			Pyrrhotite
NORR24JZ018	1			Pyrite
NORR24JZ019				
NORR24JZ020	1			Pyrite
NORR24JZ021	1			Pyrite
NORR24JZ022				
NORR24JZ023				
NORR24JZ024				
NORR24JZ025				
NORR24JZ026	1			Pyrite
NORR24JZ028				
NORR24JZ029				
NORR24JZ030	2			Pyrrhotite
NORR24JZ031	1			Pyrrhotite
NORR24JZ032				
NORR24JZ033				
NORR24JZ034	1			Pyrrhotite
NORR24JZ035				
NORR24JZ036				
NORR24JZ037				
NORR24JR011				
NORR24JR012				
NORR24JR013	1			Pyrite
NORR24JR014				
NORR24JR015				Pyrite
NORR24JR016				Pyrite
NORR24JR017				
NORR24JR018				
NORR24JR019	1	0	0	Pyrite

	Mineralization Description			
Station ID	**Total Sulfides** *(%)*	**Total Sulfates** *(%)*	**Total Oxides** *(%)*	**Metallic Minerals** *(most-least abundant)*
NORR24JR020	1	0	0	Pyrite
NORR24JR021				
NORR24JR022				
NORR24JR023		0	0	
NORR24JR024	1			Pyrite
NORR24JR025				
NORR24JR026	2			Pyrite
NORR24JR027				Pyrite
NORR24JZ038	2			Pyrrhotite
NORR24JZ039				
NORR24JZ040				
NORR24JZ041	1			Pyrite
NORR24JZ042	1			Pyrite
NORR24JZ043	10			Pyrite-Chalcopyrite
NORR24JZ045	1			Pyrite-Pyrite
NORR24JZ046	1			Pyrite
NORR24JZ047				
NORR24JZ048	1			Chalcopyrite-Pyrite
NORR24JZ049				
NORR24JZ050	1			Pyrite
NORR24JZ051	1			Pyrite
NORR24JZ052	1			Pyrite
NORR24JZ053	1			Pyrite
NORR24JZ054	1			Pyrite
NORR24JZ055	1			Pyrite
NORR24BH007		0	0	
NORR24JV001	5			Pyrite
NORR24LS001				
NORR24LS002	1			Pyrite
NORR24LS003				
NORR24LS004				Pyrite
NORR24LS005				
NORR24LS006				
NORR24LS007				
NORR24LS008				
NORR24LS009				
NORR24LS010				Pyrite
NORR24LS011				
NORR24DG007				
NORR24ER001				
NORR24JR010				
NORR24JZ044	5			Pyrite
NORR24DG019				
NORR24DG020				

	Mineralization Description			
Station ID	**Total Sulfides** *(%)*	**Total Sulfates** *(%)*	**Total Oxides** *(%)*	**Metallic Minerals** *(most-least abundant)*
NORR24DG021				
NORR24DG022				
NORR24DG023				
NORR24DG024				Pyrite
NORR24DG025				Pyrite
NORR24DG026				
NORR24DG027				
NORR24DG028				
NORR24DG029				
NORR24DG030				
NORR24DG031				
NORR24DG032				
NORR24DG033				
NORR24DG034				
NORR24DG035				
NORR24DG036				
NORR24DG037	1			Pyrite
NORR24DG038	1			Pyrite
NORR24DG039	1			
NORR24DG040				
NORR24DG041	1			
NORR24LS013				
NORR24LS014	1			Pyrite
NORR24LS015				
NORR24LS016	1			Pyrite
NORR24LS017	1			Pyrite
NORR24LS018				
NORR24LS019				Pyrite
NORR24LS020				Pyrite
NORR24LS021				
NORR24LS022				
NORR24LS023				
NORR24LS024				
NORR24LS025				
NORR24LS026				
NORR24LS027				
NORR24JZ027				
NORR24JZ056	2			Pyrite
NORR24JZ057				
NORR24JZ058	1			Pyrite
NORR24JM001	1			Pyrite
NORR24JM002	3			Pyrite
NORR24JM003				

	Mineralization Description			
Station ID	**Total Sulfides** *(%)*	**Total Sulfates** *(%)*	**Total Oxides** *(%)*	**Metallic Minerals** *(most-least abundant)*
NORR24DG015	1			Pyrite
NORR24JM004	3			Pyrite
NORR24JM005	1			Pyrite
NORR24JM006				
NORR24JM007				
NORR24JM008				
NORR24JM010				
NORR24JM011				
NORR24JM012				
NORR24JM013				
NORR24JM014				
NORR24JM015	1			Pyrite
NORR24JM016				
NORR24JZ059				
NORR24JZ060				
NORR24JZ061				
NORR24JZ062				
NORR24JZ063	1			Pyrite
NORR24JZ064				
NORR24JZ065	1			Pyrite
NORR24JZ066				
NORR24JZ067	2			Pyrite
NORR24JZ068				
NORR24JZ069				
NORR24JZ070				
NORR24JZ071				
NORR24JZ072				
NORR24JZ073				
NORR24JZ074				
NORR24JZ075				
NORR24JZ076				
NORR24JZ077				
NORR24JZ078	1			Pyrite
NORR24JZ079				
NORR24PB001	8			Pyrite-Chalcopyrite
NORR24PB002	5			Pyrite-Chalcopyrite
NORR24PB003	5			Pyrite-Chalcopyrite
NORR24PB004				
NORR24PB005				
NORR24PB006				
NORR24PB007				
NORR24PB008				
NORR24PB009				
NORR24PB010				
NORR24PB011				
NORR24PB012				

	Mineralization Description			
Station ID	**Total Sulfides** *(%)*	**Total Sulfates** *(%)*	**Total Oxides** *(%)*	**Metallic Minerals** *(most-least abundant)*
NORR24DG016				
NORR24JZ059				
NORR24JZ060				
NORR24JZ061	3			Pyrite
NORR24JM017	1			Pyrite
NORR24JM018				
NORR24JM019				
NORR24JM020				
NORR24JM021				
NORR24JM022	2			Pyrite
NORR24JM023	2			Pyrite
NORR24JM024	5			Pyrite-Chalcopyrite
NORR24JM025	1			Pyrite-Chalcopyrite
NORR24JM026	1			Pyrite
NORR24JM027	2			Pyrite
NORR24JM028	1			Pyrite
NORR24JM029	2			Pyrite-Chalcopyrite
NORR24JM030				
NORR24JM031	2			Pyrite-Chalcopyrite
NORR24JR031				
NORR24JR032				
NORR24JR033				
NORR24JR034				
NORR24JR035	1			Pyrite
NORR24JR036				
NORR24JR037				
NORR24JR038	3			Pyrite
NORR24JR039				
NORR24JR040	3			Pyrite
NORR24JR041				
NORR24JR043				Pyrite
NORR24DG042				Pyrite
NORR24DG043				
NORR24DG044				
NORR24DG045				
NORR24DG046				Pyrite
NORR24DG047				
NORR24DG048				
NORR24DG049				
NORR24DG050	1			Pyrite
NORR24DG051				Pyrite-Pyrrhotite
NORR24DG052	3			Pyrite-Pyrrhotite
NORR24DG053				Pyrite-Pyrrhotite

	Mineralization Description			
Station ID	**Total Sulfides** ***(%)***	**Total Sulfates** ***(%)***	**Total Oxides** ***(%)***	**Metallic Minerals** ***(most-least abundant)***
NORR24DG054				Pyrite
NORR24JM032				
NORR24JM033				
NORR24JM034				
NORR24JM035	1			Pyrite
NORR24JM009				
NORR24JR042	1			Pyrite
NORR24JZ001	1			Pyrite
NORR24JZ002	1			Pyrite
NORR24JZ003	2			Pyrite-Pyrite
NORR24JZ004	15			Pyrite-Pyrite
NORR24JZ005	1			Pyrite
NORR24JZ006	3			Pyrite-Bornite
NORR24JZ007	4			Pyrite
NORR24JZ009	5			Pyrite
NORR24JZ010				
NORR24PB013				Pyrite
NORR24PB015				Chalcopyrite
NORR24JZ059				
NORR24JZ060				
NORR24JZ061	7			Pyrite
NORR24JZ062	7			Pyrite
NORR24JZ063				
NORR24JZ064				
NORR24JZ065				
NORR24JZ066				
NORR24JZ067	4			Pyrite

	Mineralization Description			
Station ID	**Total Sulfides** ***(%)***	**Total Sulfates** ***(%)***	**Total Oxides** ***(%)***	**Metallic Minerals** ***(most-least abundant)***
NORR24JZ068	2			Pyrite
NORR24PB016	19			Pyrite-Chalcopyrite
NORR24PB017	19			Pyrite-Chalcopyrite
NORR24PB018				
NORR24BG001				
NORR24BG002				
NORR24BG003				
NORR24BG004				
NORR24BG005				Pyrite
NORR24BG006				
NORR24BG007				
NORR24BG008				Pyrite
NORR24BG009				
NORR24BG010				
NORR24BG011				
NORR24BG012				Pyrite
NORR24BG013				
NORR24BG014				
NORR24BG015				
NORR24JZ069	1			Pyrite
NORR24JZ070	1			Pyrite
NORR24JZ071				
NORR24JZ072				
NORR24JZ073				
NORR24JZ074				
NORR24JZ075				

	Mineralization Description			
Station ID	**Total Sulfides** ***(%)***	**Total Sulfates** ***(%)***	**Total Oxides** ***(%)***	**Metallic Minerals** ***(most-least abundant)***
NORR24JZ076				
NORR24JZ077				
NORR24JZ078				
NORR24JZ079				Pyrite
NORR24JZ080	1			
NORR24JZ081	1			Pyrite
NORR24JZ082				
NORR24JZ083				
NORR24JZ084	5			Pyrite
NORR24JZ085	5			Pyrite
NORR24JZ086				
NORR24JZ087	5			Pyrite
NORR24JZ088				
NORR24JZ089				Pyrite
NORR24JZ091				Pyrite
NORR24JZ092				
NORR24JZ093		1		Pyrite-Magnetite
NORR24JZ095	4			Chalcopyrite
NORR24JZ096				
NORR24JZ097				
NORR24JZ098				Pyrite
NORR24JZ099				
NORR24JZ100				
NORR24JZ101				
NORR24JZ102				
NORR24JZ103				
NORR24JZ104				
NORR24JZ105				
NORR24JZ106				
NORR24JZ090				
NORR24BG016				
NORR24BG017				

	Mineralization Description			
Station ID	**Total Sulfides** ***(%)***	**Total Sulfates** ***(%)***	**Total Oxides** ***(%)***	**Metallic Minerals** ***(most-least abundant)***
NORR24BG018				
NORR24BG019				
NORR24BG020				
NORR24BG021				
NORR24BG022				
NORR24BG023				
NORR24BG024				
NORR24BG025				
NORR24BG026				Magnetite
NORR24BG027				Magnetite
NORR24BG028	100			Magnetite
NORR24BG029				
NORR24BG030				
NORR24BG031				
NORR24BG032				Magnetite
NORR24BG033				Magnetite
NORR24BG034				
NORR24BG035				
NORR24BG036				
NORR24BG037				
NORR24BG039				
NORR24BG040				
NORR24BG038	1			Pyrite
NORR24JZ008	2			Pyrite
NORR24PB014	35			Pyrite
NORR24JZ094				

Appendix C. - Assay Results (Combined - 1)

Sample ID	Standard ID	Analysis Type	Lab	Associated Lab Certificate	Weight (kg)	Ag (ppm)	Al (ppm)	As (ppm)	Au (ppb)	Au (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (ppm)
K518001		Wholerock	ALS	TM24136696	0.04891	0.08	77700	*BDL*	*BDL*	*BDL*	43.3	0.31	0.04	61200
K518002		Wholerock	ALS	TM24136696	0.05177	0.05	73000	0.3	*BDL*	*BDL*	23.1	0.29	0.03	74100
K518003		Wholerock	ALS	TM24136696	0.04859	0.05	77200	0.3	*BDL*	*BDL*	132.5	0.64	0.02	72600
K518004		Wholerock	ALS	TM24136696	0.04953	0.04	71300	*BDL*	*BDL*	*BDL*	211	0.8	0.01	20800
K518005	OREAS 20a	Wholerock	ALS	TM24136696	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518006	Black Granite	Wholerock	ALS	TM24136696	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518007		Wholerock	ALS	SD24240111	0.04782	0.03	82300	3.3	1	0.001	3690	3.23	0.15	5000
K518008		Wholerock	ALS	SD24240111	0.04717	0.18	87000	1.9	3	0.003	2620	3.94	1.12	9400
K518009		Wholerock	ALS	SD24240111	0.04964	0.09	73900	2.5	5	0.005	4040	3.63	0.89	12400
K518010	OREAS 20a	Wholerock	ALS	SD24240111	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518011		Wholerock	ALS	SD24240111	0.04866	0.07	70700	2	1	0.001	1730	2.48	0.12	23600
K518012	Black Granite	Wholerock	ALS	SD24240111	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518013		Wholerock	ALS	SD24240111	0.04925	0.11	74600	2	42	0.042	2060	2.85	0.13	16700
K518031		Economic	ALS	SD24240122	*SAC*	0.05	81700	2.9	5	0.005	2800	1.92	0.23	9800
K518032		Economic	ALS	SD24240122	*SAC*	0.03	42600	2.6	4	0.004	2220	1.37	0.08	18500
K518033		Economic	ALS	SD24240122	*SAC*	0.42	67500	1.5	5	0.005	6570	5.66	1.07	57200
K518034		Economic	ALS	SD24240122	*SAC*	0.07	84500	3.5	9	0.009	4590	4.51	0.13	6900
K518035		Economic	ALS	SD24240122	*SAC*	0.18	70200	5.2	39	0.039	460	3.25	0.23	23400
K518036		Economic	ALS	SD24240122	*SAC*	0.27	71300	12.3	47	0.047	1060	6.2	0.63	17800
K518037		Economic	ALS	SD24240122	*SAC*	0.14	65900	4.3	15	0.015	680	4.21	0.19	7600
K518038		Economic	ALS	SD24240122	*SAC*	0.28	67900	15.9	33	0.033	1900	3.85	0.27	23700
K518051		Wholerock	ALS	TM24136696	0.04806	0.11	76000	0.2	*BDL*	*BDL*	840	1.35	0.02	21400
K518052		Wholerock	ALS	TM24136696	0.05003	*BDL*	75500	*BDL*	*BDL*	*BDL*	684	1.31	0.03	21200
K518057		Economic	ALS	SD24155179	0.04829	0.09	47700	1.4	1	0.001	400	0.54	0.05	47500
K518058		Economic	ALS	SD24155179	0.04871	0.06	72500	2.4	1	0.001	790	1.51	0.08	46500
K518059		Economic	ALS	SD24155179	0.04805	0.01	71600	0.2	*BDL*	*BDL*	570	0.85	0.05	10500
K518060		Economic	ALS	SD24155179	0.04821	0.01	3300	*BDL*	*BDL*	*BDL*	140	*BDL*	0.04	700
K518061		Economic	ALS	SD24155179	0.04862	*BDL*	72600	0.3	*BDL*	*BDL*	200	1.16	0.04	30500
K518062		Economic	ALS	SD24155179	0.04827	0.09	71700	1.1	*BDL*	*BDL*	70	0.72	0.34	92900
K518063		Economic	ALS	SD24155179	0.04966	0.02	2500	0.9	*BDL*	*BDL*	10	*BDL*	0.02	2800
K518064	Black Granite	Economic	ALS	SD24155179	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518065		Wholerock	ALS	SD24155172	0.04865	0.1	68200	1.3	1	0.001	132.5	0.27	0.06	61400
K518066		Wholerock	ALS	SD24155172	0.05065	0.05	73400	0.7	*BDL*	*BDL*	1155	4.68	0.25	11300
K518067		Wholerock	ALS	SD24155172	0.0496	*BDL*	71900	0.6	2	0.002	1205	4.79	0.18	49900
K518101		Wholerock	ALS	TB24153575	*SAC*	0.02	71300	0.7	1	0.001	621	1.13	0.05	17200
K518102		Wholerock	ALS	TB24153575	*SAC*	0.03	71700	*BDL*	2	0.002	69.8	0.84	0.11	23700
K518103		Wholerock	ALS	TB24153575	*SAC*	0.07	73000	*BDL*	*BDL*	*BDL*	190.5	0.74	0.06	47200
K518104		Wholerock	ALS	TB24153575	*SAC*	0.04	68200	0.5	*BDL*	*BDL*	49.1	0.78	0.03	36500
K518105		Wholerock	ALS	SD24240111	0.04821	0.1	73900	6.8	1	0.001	1185	0.61	0.07	25500
K518106		Wholerock	ALS	SD24240111	0.04889	0.02	82900	4.1	9	0.009	1105	1.33	0.1	17500
K518153		Economic	ALS	TM24136695	*SAC*	0.07	75300	2.6	1	0.001	670	1.24	0.21	11500
K518154		Economic	ALS	TM24136695	*SAC*	0.04	67300	*BDL*	*BDL*	*BDL*	40	2.06	0.05	46200
K518155		Economic	ALS	TM24136695	*SAC*	*BDL*	31700	0.3	*BDL*	*BDL*	10	1.07	0.12	35200
K518156	OREAS 234	Economic	ALS	TM24136695	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518157		Economic	ALS	TM24136695	*SAC*	0.08	67200	0.3	*BDL*	*BDL*	750	1.82	0.04	55100
K518158		Economic	ALS	TM24136695	*SAC*	0.1	71400	0.3	*BDL*	*BDL*	480	1.47	0.05	55500
K518159		Economic	ALS	TM24136695	*SAC*	0.08	79100	0.6	2	0.002	60	0.18	0.08	80200
K518160		Economic	ALS	TM24136695	*SAC*	0.44	72900	10.6	*BDL*	*BDL*	90	0.2	0.14	63800
K518161		Economic	ALS	TM24136695	*SAC*	0.02	84500	0.6	*BDL*	*BDL*	160	0.23	0.1	68200
K518162		Economic	ALS	TM24136695	*SAC*	0.02	76000	0.4	*BDL*	*BDL*	50	0.27	0.01	65800
K518163		Economic	ALS	TM24136695	*SAC*	0.03	67800	*BDL*	*BDL*	*BDL*	570	1.24	0.07	39100
K518164		Economic	ALS	TM24136695	*SAC*	0.02	79200	7.1	*BDL*	*BDL*	590	0.69	0.02	36200
K518165	Black Granite	Economic	ALS	TM24136695	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518166		Economic	ALS	TM24136695	*SAC*	0.02	26400	0.5	1	0.001	260	1.04	0.04	67300
K518167		Economic	ALS	TM24136695	*SAC*	0.02	9000	0.5	*BDL*	*BDL*	60	0.77	0.06	2300
K518168		Economic	ALS	TM24136695	*SAC*	0.03	5600	1.3	*BDL*	*BDL*	150	0.12	0.06	700
K518169		Economic	ALS	TM24136695	*SAC*	*BDL*	1900	0.3	*BDL*	*BDL*	10	1.19	0.03	8800
K518170		Economic	ALS	TM24136695	*SAC*	0.05	67200	*BDL*	*BDL*	*BDL*	1820	1.76	0.11	42100
K518171		Economic	ALS	TM24136695	*SAC*	0.15	19800	1.9	5	0.005	360	0.53	0.59	6800
K518172		Economic	ALS	TM24136695	*SAC*	0.04	10300	*BDL*	*BDL*	*BDL*	100	0.39	0.03	3500
K518173		Economic	ALS	TM24136695	*SAC*	0.03	13200	0.5	*BDL*	*BDL*	220	0.83	0.14	13800
K518174	OREAS 240	Economic	ALS	TM24136695	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518175		Economic	ALS	TM24136695	*SAC*	0.02	5200	0.4	*BDL*	*BDL*	100	1.05	0.08	10700
K518176		Economic	ALS	TM24136695	*SAC*	0.02	71600	0.3	*BDL*	*BDL*	610	1.3	0.09	43400
K518177		Economic	ALS	TM24136695	*SAC*	0.03	63300	1	1	0.001	830	2.01	0.1	60000
K518178		Economic	ALS	TM24136695	*SAC*	0.01	29900	0.3	*BDL*	*BDL*	20	1.49	0.05	56400
K518179		Economic	ALS	TM24136695	*SAC*	0.03	69500	*BDL*	*BDL*	*BDL*	40	0.16	0.04	77000
K518180	Black Granite	Wholerock	ALS	NA	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518181		Economic	ALS	TM24136695	*SAC*	0.05	73100	0.3	*BDL*	*BDL*	250	1.05	0.1	30700

Appendix C. - Assay Results (Combined - 1)

Sample ID	Standard ID	Analysis Type	Lab	Associated Lab Certificate	Weight (kg)	Ag (ppm)	Al (ppm)	As (ppm)	Au (ppb)	Au (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (ppm)
K518182		Economic	ALS	TM24136695	*SAC*	0.05	75100	0.8	*BDL*	*BDL*	230	0.62	0.06	52800
K518183		Economic	ALS	TM24136695	*SAC*	0.08	75200	0.2	*BDL*	*BDL*	310	0.89	0.02	44600
K518184		Economic	ALS	TM24136695	*SAC*	0.02	8300	*BDL*	*BDL*	*BDL*	10	0.1	0.01	5000
K518185		Economic	ALS	TM24136695	*SAC*	0.04	76900	*BDL*	*BDL*	*BDL*	100	0.81	0.03	47900
K518186		Economic	ALS	TM24136695	*SAC*	0.09	76600	0.2	*BDL*	*BDL*	100	0.93	0.09	40900
K518187		Economic	ALS	TM24136695	*SAC*	0.02	73600	0.4	*BDL*	*BDL*	680	1.29	0.01	19200
K518188		Economic	ALS	TM24136695	*SAC*	0.01	73800	0.4	*BDL*	*BDL*	790	0.83	0.01	11400
K518189		Economic	ALS	SD24155179	0.04734	0.09	81400	*BDL*	*BDL*	*BDL*	240	0.28	0.01	45000
K518190		Economic	ALS	SD24155179	0.04888	0.03	81600	0.5	*BDL*	*BDL*	200	0.34	0.02	57200
K518191		Economic	ALS	SD24155179	0.04877	0.09	60900	0.2	*BDL*	*BDL*	50	0.29	0.09	70800
K518192		Economic	ALS	SD24155179	0.04837	0.16	66200	0.7	*BDL*	*BDL*	170	0.39	0.69	28400
K518193		Economic	ALS	SD24155179	0.04883	0.01	73400	0.8	*BDL*	*BDL*	720	1	0.15	7100
K518194		Economic	ALS	SD24155179	0.04899	0.01	72800	*BDL*	*BDL*	*BDL*	790	0.98	0.1	9400
K518195	OREAS 20a	Wholerock	ALS	NA	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518196	OREAS 238b	Economic	ALS	SD24240122	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518197	OREAS 234	Economic	ALS	SD24240122	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518198		Economic	ALS	SD24240122	*SAC*	0.2	85200	21	17	0.017	2180	5.95	0.46	16100
K518199		Economic	ALS	SD24240122	*SAC*	0.32	83600	44.9	27	0.027	2260	6.6	1.14	9500
K518200		Economic	ALS	SD24240122	*SAC*	0.04	71100	3.9	7	0.007	1910	1.65	0.22	4600
K518201		Economic	ALS	TM24136695	*SAC*	0.01	5100	0.4	*BDL*	*BDL*	70	0.05	0.03	500
K518202		Economic	ALS	TM24136695	*SAC*	0.02	69000	0.3	*BDL*	*BDL*	110	0.32	0.04	62800
K518203		Economic	ALS	TM24136695	*SAC*	0.03	7800	0.2	*BDL*	*BDL*	*BDL*	*BDL*	0.03	23900
K518204		Economic	ALS	TM24136695	*SAC*	0.06	57100	*BDL*	*BDL*	*BDL*	90	0.51	0.04	41700
K518205		Economic	ALS	TM24136695	*SAC*	0.03	68800	0.2	*BDL*	*BDL*	60	0.68	0.23	55800
K518206		Economic	ALS	TM24136695	*SAC*	0.05	83400	0.2	*BDL*	*BDL*	50	0.79	0.03	17300
K518207		Economic	ALS	TM24136695	*SAC*	0.02	2500	0.3	*BDL*	*BDL*	10	*BDL*	0.03	4900
K518208		Economic	ALS	TM24136695	*SAC*	0.03	4800	1	*BDL*	*BDL*	10	0.09	0.07	1600
K518209		Economic	ALS	TM24136695	*SAC*	0.03	74700	0.2	*BDL*	*BDL*	230	0.64	0.05	35100
K518210	OREAS 234	Economic	ALS	TM24136695	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518211		Economic	ALS	TM24136695	*SAC*	0.07	53900	0.3	*BDL*	*BDL*	350	0.7	0.09	17900
K518212		Economic	ALS	TM24136695	*SAC*	0.03	67300	1.6	*BDL*	*BDL*	100	0.8	0.04	30400
K518213		Economic	ALS	TM24136695	*SAC*	0.03	17300	0.4	*BDL*	*BDL*	30	0.29	0.03	62100
K518214		Economic	ALS	TM24136695	*SAC*	0.04	65800	*BDL*	*BDL*	*BDL*	1060	1.47	0.07	51800
K518215		Economic	ALS	TM24136695	*SAC*	0.01	2600	0.5	*BDL*	*BDL*	30	*BDL*	0.01	600
K518216		Economic	ALS	TM24136695	*SAC*	0.07	48500	1.3	*BDL*	*BDL*	30	0.72	0.55	83000
K518217		Economic	ALS	TM24136695	*SAC*	0.04	25700	4.4	*BDL*	*BDL*	40	0.35	0.4	50400
K518218		Economic	ALS	TM24136695	*SAC*	0.01	76200	0.2	2	0.002	360	0.95	0.08	50200
K518219		Economic	ALS	TM24136695	*SAC*	1.93	13300	0.2	3	0.003	70	0.11	0.18	11400
K518220	Black Granite	Economic	ALS	TM24136695	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518221		Economic	ALS	TM24136695	*SAC*	0.05	74700	*BDL*	*BDL*	*BDL*	140	0.32	0.08	75400
K518222		Economic	ALS	TM24136695	*SAC*	0.11	88800	*BDL*	*BDL*	*BDL*	340	0.84	0.03	36300
K518223		Economic	ALS	TM24136695	*SAC*	0.06	82600	*BDL*	*BDL*	*BDL*	320	0.84	0.04	38300
K518224		Economic	ALS	TM24136695	*SAC*	0.02	82300	*BDL*	*BDL*	*BDL*	160	0.88	0.01	39900
K518225		Economic	ALS	TM24136695	*SAC*	0.06	77100	*BDL*	*BDL*	*BDL*	120	0.27	0.05	69800
K518226		Economic	ALS	TM24136695	*SAC*	0.06	80600	*BDL*	*BDL*	*BDL*	310	0.84	0.04	44300
K518227		Economic	ALS	TM24136695	*SAC*	0.03	77000	*BDL*	1	0.001	30	0.2	0.01	75100
K518228		Economic	ALS	TM24136695	*SAC*	0.02	79200	1.6	*BDL*	*BDL*	170	0.46	0.03	69900
K518229		Economic	ALS	TM24136695	*SAC*	0.06	74300	0.9	*BDL*	*BDL*	330	1.01	0.06	39200
K518230	OREAS 234	Economic	ALS	TM24136695	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518231		Economic	ALS	SD24155179	0.04825	0.01	17000	0.7	1	0.001	300	0.67	0.21	2000
K518232		Economic	ALS	SD24155179	0.04799	0.06	77300	2.6	3	0.003	500	1.08	0.04	57000
K518251		Economic	ALS	TM24136695	*SAC*	0.03	79300	0.3	*BDL*	*BDL*	130	0.9	0.06	40100
K518252		Economic	ALS	TM24136695	*SAC*	0.06	78500	*BDL*	2	0.002	290	0.18	0.07	80600
K518253		Economic	ALS	TM24136695	*SAC*	0.01	82500	0.2	*BDL*	*BDL*	60	0.82	0.02	19200
K518254		Economic	ALS	TM24136695	*SAC*	0.03	79800	*BDL*	1	0.001	110	0.93	0.09	27800
K518255		Economic	ALS	SD24240122	*SAC*	0.82	18500	17.6	366	0.366	1210	2	3.04	2500
K518256		Economic	ALS	SD24240122	*SAC*	2.57	60200	23.3	923	0.923	2150	2.44	7.1	3700
K518257		Economic	ALS	SD24240122	*SAC*	0.53	87000	8	38	0.038	3440	4.82	1.02	2900
K518258		Economic	ALS	SD24240122	*SAC*	0.25	84300	25.7	15	0.015	2610	6.57	0.77	3300
K518259		Economic	ALS	SD24240122	*SAC*	0.25	79700	25.3	16	0.016	1960	5.77	0.48	4600
K518260	OREAS 240	Economic	ALS	SD24240122	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518261		Wholerock	ALS	SD24240111	0.04824	0.05	90200	65	22	0.022	1490	9.59	0.05	2300
K518262		Economic	ALS	SD24240122	*SAC*	0.41	78300	11	134	0.134	730	5.76	0.31	26000
K518263		Economic	ALS	SD24240122	*SAC*	2.22	65600	10.9	617	0.617	1560	3.08	0.22	22700
K518264		Wholerock	ALS	SD24240111	0.04782	0.08	80000	5	10	0.01	3060	4.08	0.1	8400
K518265		Economic	ALS	SD24240122	*SAC*	0.44	40000	1.5	12	0.012	1440	2.38	0.12	4800
K518266		Economic	ALS	SD24240122	*SAC*	0.07	68100	4.4	11	0.011	670	3.74	0.19	37200
K518267		Economic	ALS	SD24240122	*SAC*	0.06	72100	2.3	5	0.005	1300	3.75	0.31	5100
K518268		Economic	ALS	SD24240122	*SAC*	0.19	73500	6.9	57	0.057	920	1.4	0.19	32100

Appendix C. - Assay Results (Combined - 1)

Sample ID	Standard ID	Analysis Type	Lab	Associated Lab Certificate	Weight (kg)	Ag (ppm)	Al (ppm)	As (ppm)	Au (ppb)	Au (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (ppm)
K518301		Economic	ALS	SD24155179	0.05015	0.11	64300	1.1	3	0.003	540	0.78	0.12	26700
K518302		Economic	ALS	SD24155179	0.04917	0.12	80000	0.5	*BDL*	*BDL*	340	0.4	0.04	65300
K518303		Economic	ALS	SD24155179	0.04846	0.08	79100	0.3	*BDL*	*BDL*	610	0.55	0.08	19500
K518304		Economic	ALS	SD24155179	0.04998	0.01	66800	*BDL*	1	0.001	440	0.95	0.07	27000
K518305		Economic	ALS	SD24155179	0.04945	0.01	76100	1	*BDL*	*BDL*	250	0.48	0.07	49600
K518306		Wholerock	ALS	SD24155172	0.04755	0.03	78300	1.1	*BDL*	*BDL*	673	0.8	0.02	13600
K518307		Wholerock	ALS	SD24155172	0.05012	0.03	74000	*BDL*	*BDL*	*BDL*	742	1.28	0.05	17300
K518308		Economic	ALS	SD24155179	0.04782	0.01	74400	0.4	*BDL*	*BDL*	390	0.71	0.08	34800
K518309		Economic	ALS	SD24155179	0.04851	0.04	75700	3.4	*BDL*	*BDL*	560	0.83	0.12	8600
K518310		Economic	ALS	SD24155179	0.04848	0.02	70500	1.9	*BDL*	*BDL*	470	0.8	0.06	6200
K518311	Black Granite	Wholerock	ALS	NA	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518312		Economic	ALS	SD24155179	0.04926	0.01	78800	2.5	*BDL*	*BDL*	390	0.84	0.05	6500
K518313		Economic	ALS	SD24155179	0.05056	0.01	82500	1	*BDL*	*BDL*	200	0.43	0.12	60100
K518314		Economic	ALS	SD24155179	0.05026	0.07	77100	0.3	*BDL*	*BDL*	90	0.35	0.29	75900
K518315		Economic	ALS	SD24155179	0.04872	0.02	65100	1.1	*BDL*	*BDL*	940	0.73	0.07	11900
K518316	Black Granite	Economic	ALS	SD24155179	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518317		Economic	ALS	SD24155179	0.04816	0.01	64300	0.6	*BDL*	*BDL*	610	1.49	0.07	39900
K518318		Economic	ALS	SD24155179	0.04998	0.01	70800	0.6	*BDL*	*BDL*	670	0.94	0.04	14300
K518319		Economic	ALS	SD24155179	0.0485	0.01	72000	0.9	*BDL*	*BDL*	500	0.92	0.09	10300
K518320		Economic	ALS	SD24155179	0.04958	0.02	39300	1	*BDL*	*BDL*	220	0.31	0.2	13400
K518321		Economic	ALS	SD24155179	0.04918	0.01	72500	0.9	*BDL*	*BDL*	370	0.46	0.05	12900
K518322		Economic	ALS	SD24155179	0.04992	0.03	87500	0.8	*BDL*	*BDL*	1020	0.9	0.07	10800
K518323		Economic	ALS	SD24155179	0.05047	0.05	39400	0.5	*BDL*	*BDL*	380	0.63	0.12	10100
K518324		Economic	ALS	SD24155179	0.04772	0.08	74900	1	*BDL*	*BDL*	70	0.31	0.15	63000
K518325		Economic	ALS	SD24155179	0.0496	2.89	14100	0.4	*BDL*	*BDL*	30	0.16	0.02	8100
K518326		Economic	ALS	SD24155179	0.04943	0.06	66500	0.3	*BDL*	*BDL*	100	0.45	0.05	39100
K518327		Economic	ALS	SD24155179	0.0486	0.02	43100	1.1	25	0.025	80	0.33	0.23	42300
K518328		Economic	ALS	SD24155179	0.04837	0.03	8200	1.6	1	0.001	10	0.07	0.01	6200
K518329		Economic	ALS	SD24155179	0.04858	0.13	12000	0.9	*BDL*	*BDL*	120	0.06	0.05	6900
K518330	OREAS 234	Economic	ALS	SD24155179	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518331		Economic	ALS	SD24155179	0.05062	0.01	18000	1.3	*BDL*	*BDL*	30	0.1	0.01	2800
K518332		Economic	ALS	SD24155179	0.049	0.03	67200	1.1	*BDL*	*BDL*	70	0.5	0.19	53800
K518701		Economic	ALS	SD24155179	0.05071	0.04	60400	0.4	*BDL*	*BDL*	90	0.43	0.11	61400
K518702		Economic	ALS	SD24155179	0.04915	0.01	2500	0.6	*BDL*	*BDL*	10	*BDL*	0.01	4100
K518703		Economic	ALS	SD24155179	0.04963	0.11	69200	0.7	*BDL*	*BDL*	140	0.64	0.13	52500
K518704		Wholerock	ALS	SD24155164	0.048	0.41	24500	154	44	0.044	230	1.96	2.41	106000
K518705		Economic	ALS	SD24240122	*SAC*	0.09	35200	1.9	2	0.002	170	0.81	0.36	700
K518706		Wholerock	ALS	SD24155164	0.04879	0.44	60700	64.5	164	0.164	244	1.1	2.89	19600
K518707		Economic	ALS	SD24155179	0.04872	0.1	58200	8.2	78	0.078	1790	1.42	0.53	74200
K518708		Economic	ALS	SD24240122	*SAC*	0.05	63400	26.3	4	0.004	1040	1.94	0.1	39400
K518709		Economic	ALS	SD24240122	*SAC*	0.1	69100	23.2	34	0.034	1460	2.54	0.41	14500
K518710		Economic	ALS	SD24240122	*SAC*	5.4	29300	17.8	113	0.113	360	1.69	13.75	42200
K518711		Economic	ALS	SD24240122	*SAC*	0.09	81900	7.1	3	0.003	370	0.63	0.11	98500
K518712	Black Granite	Economic	ALS	SD24240122	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518713		Economic	ALS	SD24240122	*SAC*	0.06	72400	8.9	13	0.013	300	0.84	0.13	55700
K518714		Economic	ALS	SD24240122	*SAC*	2.43	69400	30.1	141	0.141	50	0.33	1.25	37600
K518715		Economic	ALS	SD24240122	*SAC*	0.05	80000	2.4	6	0.006	2440	2.37	0.25	5000
K518716		Economic	ALS	SD24240122	*SAC*	0.48	71100	34.1	78	0.078	4400	2.23	0.18	21200
K518717		Economic	ALS	SD24240122	*SAC*	0.4	65300	3.9	93	0.093	1360	2.09	0.11	37200
K518718		Economic	ALS	SD24240122	*SAC*	0.08	70000	12.2	20	0.02	170	0.73	0.3	37500
K518719		Economic	ALS	SD24240122	*SAC*	0.19	61700	22.9	38	0.038	1420	2.46	0.33	19300
K518720	OREAS 236	Economic	ALS	SD24240122	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518721		Economic	ALS	SD24240122	*SAC*	0.16	72900	2.3	9	0.009	890	3.83	0.91	3900
K518722		Economic	ALS	SD24240122	*SAC*	9.08	800	3.3	175	0.175	140	0.09	17.15	100
K518724		Economic	ALS	SD24240122	*SAC*	4.17	14100	3.1	4710	4.71	190	1.14	19.25	600
K518725		Economic	ALS	SD24240122	*SAC*	0.09	21400	1.3	1	0.001	2330	0.97	0.2	2700
K518726		Economic	ALS	SD24240122	*SAC*	0.06	77200	1.2	9	0.009	630	6.01	0.12	6500
K518727		Economic	ALS	SD24240122	*SAC*	3.03	77200	23.3	174	0.174	1050	1.04	3.73	18500
K518728		Economic	ALS	SD24240122	*SAC*	0.73	59600	10.4	219	0.219	1790	2	0.67	15700
K518729		Economic	ALS	SD24240122	*SAC*	0.35	57000	11.6	29	0.029	670	3.96	2.6	7800
K518730	Black Granite	Economic	ALS	SD24240122	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518731		Economic	ALS	SD24240122	*SAC*	0.01	77400	0.5	2	0.002	3070	3.69	0.16	3900
K518732		Economic	ALS	SD24240122	*SAC*	0.33	77600	2.7	4	0.004	1510	4	1.36	2900
K518732		Economic	ALS	SD24240122	*SAC*	0.33	77600	2.7	4	0.004	1510	4	1.36	2900
K518733		Economic	ALS	SD24240122	*SAC*	0.14	74500	3.9	168	0.168	100	2.14	0.37	27300
K518734		Economic	ALS	SD24240122	*SAC*	0.05	86300	7.2	22	0.022	600	3.66	0.05	19100
K518735		Economic	ALS	SD24240122	*SAC*	0.1	73900	7.5	30	0.03	470	3.52	0.06	30000
K518736		Economic	ALS	SD24240122	*SAC*	0.03	64900	0.9	3	0.003	4260	7.8	0.16	8700
K518737		Economic	ALS	SD24240122	*SAC*	0.1	59300	2.1	58	0.058	530	0.98	0.05	5600

Appendix C. - Assay Results (Combined - 1)

Sample ID	Standard ID	Analysis Type	Lab	Associated Lab Certificate	Weight (kg)	Ag (ppm)	Al (ppm)	As (ppm)	Au (ppb)	Au (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (ppm)
K518738		Economic	ALS	SD24240122	*SAC*	2.67	80700	1.4	1565	1.565	930	4.52	3.88	21200
K518740	OREAS 236	Economic	ALS	SD24240122	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518751		Wholerock	ALS	SD24155172	0.0482	0.03	66300	0.7	*BDL*	*BDL*	444	1.31	0.1	7900
K518752		Wholerock	ALS	SD24240111	0.04931	0.09	72000	2.2	8	0.008	2460	4.33	0.31	16400
K518753		Wholerock	ALS	SD24240111	0.04829	0.09	70300	2.5	12	0.012	3360	2.59	0.13	20000

Assay Results (Combined - 2)

Sample ID	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (ppm)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppm)	In (ppm)
K518001	0.14	8.2	45.2	44	0.24	169	4.02	2.66	0.88	97700	17.8	3.09	0.13	1.8	*BDL*	0.091
K518002	0.14	8.8	45.7	324	0.16	123.5	3.91	2.67	0.82	97400	15.6	3.34	0.12	1.7	*BDL*	0.074
K518003	0.15	23.9	49.4	125	0.61	168.5	5.06	3.4	1.32	106500	17.8	4.35	0.14	2.85	*BDL*	0.097
K518004	0.03	23	8.1	42	0.4	7.8	0.84	0.44	0.64	22900	17.6	1.44	0.1	4.19	*BDL*	0.022
K518005	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518006	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518007	0.03	148.5	8.7	97	6.91	26.5	4.1	1.86	2.56	32800	24.3	7.93	0.17	7.57	*BDL*	0.037
K518008	0.14	223	19.8	65	31	9.8	6.47	2.92	4.07	54300	27.5	11.7	0.28	9.34	0.005	0.09
K518009	0.15	186	10.8	113	7.04	25.5	5.08	2.17	3.25	31500	23.4	9.43	0.2	7.98	0.011	0.04
K518010	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518011	0.09	134	8.2	71	1.41	17.8	2.86	1.46	1.87	24600	22.6	5.37	0.18	7.54	*BDL*	0.029
K518012	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518013	0.11	94.4	9.9	101	3.56	193	2.19	1.1	1.68	29700	21.7	4.1	0.14	3.93	*BDL*	0.039
K518031	0.14	152.5	9.3	65	5.03	20	*NA*	*NA*	*NA*	31600	20.6	*NA*	0.18	6.7	*BDL*	0.026
K518032	0.08	74.8	3.8	60	0.83	10.6	*NA*	*NA*	*NA*	19000	10.85	*NA*	0.11	3.2	0.005	0.015
K518033	0.04	111	10.9	65	7.82	41.3	*NA*	*NA*	*NA*	33000	25	*NA*	0.15	5.1	*BDL*	0.049
K518034	0.06	162	17.2	93	8.77	12.6	*NA*	*NA*	*NA*	37900	24.2	*NA*	0.22	5.9	0.006	0.038
K518035	0.09	32	20.5	128	28	151	*NA*	*NA*	*NA*	47400	16.35	*NA*	0.1	3.2	0.005	0.031
K518036	0.1	51.5	25.6	56	44.4	214	*NA*	*NA*	*NA*	53700	17.1	*NA*	0.12	3.8	0.007	0.036
K518037	0.1	21.7	18.4	48	35.8	41.1	*NA*	*NA*	*NA*	25000	16.25	*NA*	0.1	3.5	0.005	0.025
K518038	0.19	84	32	121	13.25	138.5	*NA*	*NA*	*NA*	42400	18.85	*NA*	0.18	4.6	0.016	0.056
K518051	0.05	55.1	14	124	0.43	2.9	1.44	0.6	1.11	28000	19.8	2.83	0.15	3.11	*BDL*	0.024
K518052	0.05	61.2	15.2	145	0.37	2.2	1.48	0.79	1.23	29700	20	2.99	0.15	3.34	*BDL*	0.029
K518057	0.05	12.5	19.1	163	0.15	120	*NA*	*NA*	*NA*	36600	7.66	*NA*	0.05	0.6	*BDL*	0.028
K518058	0.07	47.3	16.9	88	0.21	32.6	*NA*	*NA*	*NA*	71600	16.25	*NA*	0.11	1.7	*BDL*	0.069
K518059	0.02	19.85	2.9	10	0.58	9.6	*NA*	*NA*	*NA*	13200	20.4	*NA*	0.05	2	*BDL*	0.014
K518060	*BDL*	1.65	1	35	0.06	20.2	*NA*	*NA*	*NA*	6300	0.84	*NA*	*BDL*	0.1	*BDL*	*BDL*
K518061	0.1	40.9	29.6	4	0.15	19.2	*NA*	*NA*	*NA*	90200	22	*NA*	0.1	2.6	*BDL*	0.072
K518062	0.2	19.75	35.6	37	0.22	109.5	*NA*	*NA*	*NA*	132000	24.8	*NA*	0.1	1.9	*BDL*	0.129
K518063	0.03	0.48	1.6	33	0.1	207	*NA*	*NA*	*NA*	9100	0.77	*NA*	*BDL*	*BDL*	*BDL*	*BDL*
K518064	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518065	0.1	8.8	55.2	151	0.74	139	3.31	2.02	0.71	97200	17.4	2.48	0.09	1.49	*BDL*	0.063
K518066	0.04	56.2	8.4	58	2.97	38.8	1.91	1.05	1.03	25000	20.7	2.87	0.14	6.45	*BDL*	0.025
K518067	0.07	115.5	20.1	86	0.7	3.2	3.24	1.28	2.52	38000	22.3	6.48	0.21	6.91	*BDL*	0.036
K518101	0.04	29.8	8.8	83	0.75	13.4	1.07	0.52	0.7	23000	22.7	1.71	*BDL*	2.76	*BDL*	0.021
K518102	0.04	31.8	12.3	58	0.45	19.3	1.83	0.93	0.81	28700	20.1	2.19	0.06	3.34	*BDL*	0.027
K518103	0.12	25.3	17.6	62	0.66	26.5	1.97	1.15	0.91	43100	22.1	2.48	*BDL*	3.89	*BDL*	0.03
K518104	0.06	25.1	20.3	113	0.16	23.3	2.74	1.33	1.1	34900	18.6	3.42	*BDL*	3.84	*BDL*	0.044
K518105	0.02	14.9	39.6	266	1.68	58.1	3.37	2.23	0.65	92600	17.6	2.98	0.11	2.04	*BDL*	0.028
K518106	0.05	39.4	5.9	97	3.35	16.8	3.18	1.89	1.19	24700	23.3	3.87	0.09	4.34	*BDL*	0.019
K518153	0.03	47	18	127	1.19	43.5	*NA*	*NA*	*NA*	41200	16.65	*NA*	0.06	2.9	0.005	0.037
K518154	0.18	16.45	48.6	40	0.26	112.5	*NA*	*NA*	*NA*	93000	13.25	*NA*	0.06	1.8	*BDL*	0.112
K518155	0.1	1.66	3.8	21	0.18	3	*NA*	*NA*	*NA*	30600	9.56	*NA*	*BDL*	0.2	*BDL*	0.062
K518156	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518157	0.14	42.4	39.6	299	0.7	201	*NA*	*NA*	*NA*	72700	16.25	*NA*	0.1	2.3	*BDL*	0.06
K518158	0.1	31.9	42.2	171	1.53	163.5	*NA*	*NA*	*NA*	80900	16.8	*NA*	0.08	2.2	*BDL*	0.069
K518159	0.07	5.05	39.4	146	0.25	148	*NA*	*NA*	*NA*	67300	13.9	*NA*	*BDL*	0.5	*BDL*	0.047
K518160	0.16	4.41	35.4	263	0.39	27.4	*NA*	*NA*	*NA*	76300	12.8	*NA*	0.06	0.6	*BDL*	0.049
K518161	0.07	3.27	39.8	134	0.53	62.4	*NA*	*NA*	*NA*	74400	15.85	*NA*	*BDL*	0.3	*BDL*	0.065
K518162	0.09	5.46	53.5	228	0.21	66.5	*NA*	*NA*	*NA*	84900	15.55	*NA*	0.05	0.7	*BDL*	0.059
K518163	0.08	25.1	23.1	188	0.45	24.7	*NA*	*NA*	*NA*	83700	15.7	*NA*	0.07	1.7	*BDL*	0.049
K518164	0.05	47.6	68.9	351	1.1	28.2	*NA*	*NA*	*NA*	29500	18.2	*NA*	0.11	2	*BDL*	0.065
K518165	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518166	0.12	24	82.3	1545	1.34	193.5	*NA*	*NA*	*NA*	64900	6.73	*NA*	0.07	0.8	*BDL*	0.025
K518167	*BDL*	3.92	3.3	32	2.2	19.5	*NA*	*NA*	*NA*	239000	2.47	*NA*	0.12	0.4	*BDL*	0.015
K518168	*BDL*	1.62	4.7	58	0.31	27.1	*NA*	*NA*	*NA*	49500	3.01	*NA*	*BDL*	0.3	*BDL*	0.007
K518169	0.02	3.9	0.8	19	0.52	3.3	*NA*	*NA*	*NA*	304000	1.06	*NA*	0.15	0.1	*BDL*	0.006
K518170	0.08	115.5	26.2	313	1.74	34.2	*NA*	*NA*	*NA*	52600	17.1	*NA*	0.15	3.6	*BDL*	0.04
K518171	0.03	9.58	5.8	26	6.56	89.8	*NA*	*NA*	*NA*	203000	9.95	*NA*	0.13	1.2	*BDL*	0.037
K518172	0.02	3.28	1.6	45	1.35	8	*NA*	*NA*	*NA*	37000	2.55	*NA*	*BDL*	0.4	*BDL*	0.008
K518173	0.04	13.7	6.3	86	1.72	19.3	*NA*	*NA*	*NA*	218000	4.85	*NA*	0.11	0.6	*BDL*	0.02
K518174	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518175	0.04	6.24	0.9	19	1.57	9.9	*NA*	*NA*	*NA*	290000	4.38	*NA*	0.13	0.3	*BDL*	0.027
K518176	0.07	22.8	33.6	276	0.65	97.8	*NA*	*NA*	*NA*	74900	17.6	*NA*	0.09	1.6	*BDL*	0.044
K518177	0.07	40	36.1	235	0.55	86.5	*NA*	*NA*	*NA*	77900	19.4	*NA*	0.11	2.4	*BDL*	0.064
K518178	0.07	7.94	88.6	1905	0.18	47.8	*NA*	*NA*	*NA*	86400	9.48	*NA*	0.06	0.5	*BDL*	0.031
K518179	0.1	3.48	45.3	246	0.18	45.3	*NA*	*NA*	*NA*	78500	12.7	*NA*	0.06	0.3	*BDL*	0.051
K518180	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518181	0.09	28	13.8	35	0.49	29.3	*NA*	*NA*	*NA*	47400	19.75	*NA*	0.08	5.4	*BDL*	0.051

	Assay Results (Combined - 2)															
Sample ID	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (ppm)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppm)	In (ppm)
K518182	0.1	20.2	35.8	169	0.43	60.7	*NA*	*NA*	*NA*	77700	16.65	*NA*	0.08	2	*BDL*	0.048
K518183	0.08	39.6	15.6	35	0.79	60.5	*NA*	*NA*	*NA*	38700	20.9	*NA*	0.09	3.1	*BDL*	0.026
K518184	*BDL*	2.92	2.7	40	0.07	9.1	*NA*	*NA*	*NA*	11800	1.82	*NA*	*BDL*	0.2	*BDL*	0.005
K518185	0.11	30.2	33.7	115	0.41	27.6	*NA*	*NA*	*NA*	69800	19.5	*NA*	0.09	3	*BDL*	0.046
K518186	0.13	25.9	19.4	170	0.23	65.3	*NA*	*NA*	*NA*	67700	21.2	*NA*	0.1	3.2	*BDL*	0.046
K518187	0.04	39.3	5.8	19	0.21	7.9	*NA*	*NA*	*NA*	19000	19.5	*NA*	0.08	1.6	*BDL*	0.015
K518188	0.02	19.05	3.1	18	0.31	4.1	*NA*	*NA*	*NA*	14000	20	*NA*	0.06	1.9	*BDL*	0.008
K518189	0.11	6.73	43.8	286	0.33	53.6	*NA*	*NA*	*NA*	75200	15.6	*NA*	0.06	0.8	*BDL*	0.055
K518190	0.08	9.52	43	246	0.59	72.9	*NA*	*NA*	*NA*	73000	16.55	*NA*	0.07	1	*BDL*	0.061
K518191	0.24	8.79	53.4	571	0.2	85.1	*NA*	*NA*	*NA*	127000	14.55	*NA*	0.08	0.9	*BDL*	0.076
K518192	0.28	9.19	18.3	483	0.36	75.7	*NA*	*NA*	*NA*	42400	12.25	*NA*	*BDL*	1.9	*BDL*	0.113
K518193	0.04	23.7	7.1	12	0.26	11.7	*NA*	*NA*	*NA*	17700	16.85	*NA*	0.09	2.8	*BDL*	0.019
K518194	*BDL*	49.5	12.6	57	0.5	19.2	*NA*	*NA*	*NA*	24000	21.5	*NA*	0.07	3	*BDL*	0.02
K518195	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518196	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518197	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518198	0.06	130.5	20.8	143	22.9	76.6	*NA*	*NA*	*NA*	45100	20.8	*NA*	0.21	5.5	0.005	0.047
K518199	0.06	135.5	26.9	275	26.5	105.5	*NA*	*NA*	*NA*	63300	21	*NA*	0.22	5.9	0.016	0.064
K518200	0.03	122.5	17.4	63	3.79	17	*NA*	*NA*	*NA*	30300	17.2	*NA*	0.17	3.8	*BDL*	0.017
K518201	*BDL*	2.34	1.3	37	0.09	8.3	*NA*	*NA*	*NA*	10400	1.82	*NA*	*BDL*	0.1	*BDL*	*BDL*
K518202	0.07	8.83	44.9	187	0.37	69.3	*NA*	*NA*	*NA*	91500	13.3	*NA*	0.08	0.8	*BDL*	0.047
K518203	0.05	1.22	3.1	40	*BDL*	74.3	*NA*	*NA*	*NA*	33300	3.25	*NA*	*BDL*	0.1	*BDL*	0.009
K518204	0.19	12.95	38.8	41	0.51	70.2	*NA*	*NA*	*NA*	114500	18.1	*NA*	0.09	1.8	*BDL*	0.083
K518205	0.07	34.6	15.5	34	0.34	21.7	*NA*	*NA*	*NA*	49800	19.55	*NA*	0.08	1.9	*BDL*	0.04
K518206	0.06	147.5	7.1	4	0.26	33.5	*NA*	*NA*	*NA*	45100	19.75	*NA*	0.18	5.4	*BDL*	0.021
K518207	*BDL*	2.85	1.1	32	0.07	4.7	*NA*	*NA*	*NA*	8500	1.3	*NA*	*BDL*	0.1	*BDL*	0.006
K518208	*BDL*	2.81	0.6	41	*BDL*	4.7	*NA*	*NA*	*NA*	9900	1.14	*NA*	*BDL*	0.2	*BDL*	*BDL*
K518209	0.22	23.4	20.7	104	0.94	35.7	*NA*	*NA*	*NA*	49700	17.2	*NA*	0.09	2.8	*BDL*	0.038
K518210	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518211	0.02	39.7	4.8	16	0.91	20.5	*NA*	*NA*	*NA*	30100	11.4	*NA*	0.08	3.5	*BDL*	0.042
K518212	0.16	21.1	27.8	4	1.15	29.6	*NA*	*NA*	*NA*	143000	25.1	*NA*	0.12	4.1	*BDL*	0.13
K518213	0.22	5.65	8.9	40	0.09	17	*NA*	*NA*	*NA*	56300	8.38	*NA*	0.08	0.3	*BDL*	0.056
K518214	0.11	121	39.4	526	0.41	27.3	*NA*	*NA*	*NA*	53500	16.45	*NA*	0.2	3.1	*BDL*	0.044
K518215	*BDL*	0.5	1	49	0.06	13.6	*NA*	*NA*	*NA*	13500	0.65	*NA*	*BDL*	*BDL*	*BDL*	*BDL*
K518216	0.13	38.8	14.3	27	0.12	47.2	*NA*	*NA*	*NA*	108000	19.75	*NA*	0.13	1.8	*BDL*	0.058
K518217	0.11	11.7	9.5	43	0.07	63.2	*NA*	*NA*	*NA*	67800	11.6	*NA*	0.08	0.5	*BDL*	0.036
K518218	0.07	55	12.2	14	0.98	14	*NA*	*NA*	*NA*	50900	18.85	*NA*	0.14	3.1	*BDL*	0.056
K518219	0.03	13.2	4.5	56	0.11	929	*NA*	*NA*	*NA*	18100	5.36	*NA*	0.07	0.1	0.009	0.012
K518220	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518221	0.09	10.4	52.6	198	0.53	39.8	*NA*	*NA*	*NA*	88800	16.25	*NA*	0.13	0.7	*BDL*	0.067
K518222	0.06	25.4	26.4	28	0.82	183	*NA*	*NA*	*NA*	51200	22.7	*NA*	0.15	2.8	*BDL*	0.039
K518223	0.08	24.5	18.1	55	1	91.6	*NA*	*NA*	*NA*	40100	19.9	*NA*	0.08	1.9	*BDL*	0.034
K518224	0.09	29.7	32.4	55	0.35	17.2	*NA*	*NA*	*NA*	68000	15.6	*NA*	0.1	3.8	*BDL*	0.048
K518225	0.08	7.86	49.6	176	0.28	25.6	*NA*	*NA*	*NA*	90900	15.15	*NA*	0.08	0.8	*BDL*	0.067
K518226	0.08	26.2	20.8	30	0.6	59.1	*NA*	*NA*	*NA*	45700	19.25	*NA*	0.06	3.1	*BDL*	0.04
K518227	0.09	4.92	51	217	0.24	81.7	*NA*	*NA*	*NA*	84600	14.45	*NA*	0.07	0.7	*BDL*	0.06
K518228	0.13	7.71	50.2	215	0.39	54.8	*NA*	*NA*	*NA*	87900	14.8	*NA*	0.07	0.6	*BDL*	0.054
K518229	0.05	21	18	20	0.99	17.4	*NA*	*NA*	*NA*	49200	18.9	*NA*	0.07	3.4	*BDL*	0.044
K518230	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518231	*BDL*	8.35	3.8	23	0.21	19	*NA*	*NA*	*NA*	12300	5.08	*NA*	0.06	0.7	*BDL*	0.006
K518232	0.1	25	51.4	90	5.98	158	*NA*	*NA*	*NA*	101500	18.75	*NA*	0.12	2.7	*BDL*	0.087
K518251	0.09	17.3	23.2	102	0.58	19	*NA*	*NA*	*NA*	58600	19.05	*NA*	0.09	3.8	*BDL*	0.047
K518252	0.1	3.48	40.1	291	0.53	98.8	*NA*	*NA*	*NA*	64000	13.4	*NA*	0.07	0.4	*BDL*	0.042
K518253	0.02	32.4	19.6	60	0.29	3.3	*NA*	*NA*	*NA*	38800	18.95	*NA*	0.13	3.7	*BDL*	0.018
K518254	0.04	27.8	15.7	55	0.31	17.9	*NA*	*NA*	*NA*	33900	21.2	*NA*	0.17	3.6	*BDL*	0.034
K518255	*BDL*	111.5	7.5	46	2.26	60.3	*NA*	*NA*	*NA*	25800	5.4	*NA*	0.12	3	0.006	0.012
K518256	*BDL*	72.2	16.8	70	1.98	378	*NA*	*NA*	*NA*	38200	17.05	*NA*	0.13	4.1	0.024	0.059
K518257	0.03	76.2	30.7	95	4.53	96.4	*NA*	*NA*	*NA*	48200	27.3	*NA*	0.15	5.5	0.007	0.059
K518258	0.04	85.5	8	377	19.75	46.8	*NA*	*NA*	*NA*	37900	26.7	*NA*	0.17	5.5	0.012	0.077
K518259	0.04	87.7	18.4	191	23.6	118	*NA*	*NA*	*NA*	43300	20.4	*NA*	0.18	4.8	0.008	0.051
K518260	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518261	0.03	18.2	14.4	136	27.7	29.2	1.82	1.24	0.5	28600	22.6	1.76	0.06	4.01	*BDL*	0.127
K518262	0.05	33.2	13.4	29	22.9	180	*NA*	*NA*	*NA*	32900	18.4	*NA*	0.12	3.9	0.009	0.059
K518263	0.15	97.1	15.6	127	11.25	3570	*NA*	*NA*	*NA*	47900	17.25	*NA*	0.17	4.3	0.029	0.162
K518264	0.07	180.5	17.8	195	19.45	47.1	4.84	2.46	2.89	56000	24.2	8.69	0.21	5.56	*BDL*	0.109
K518265	0.08	123.5	5.8	64	9.17	147.5	*NA*	*NA*	*NA*	17200	11.9	*NA*	0.22	3	0.026	0.03
K518266	0.16	91.5	23.3	156	14.25	46.3	*NA*	*NA*	*NA*	43400	16.6	*NA*	*BDL*	3.8	*BDL*	0.08
K518267	0.05	128	4.5	58	1.48	25.9	*NA*	*NA*	*NA*	26500	19	*NA*	0.08	4.2	*BDL*	0.035
K518268	0.16	39.8	18.3	164	2.6	127.5	*NA*	*NA*	*NA*	33900	18.3	*NA*	0.07	3.2	*BDL*	0.06

	Assay Results (Combined - 2)															
Sample ID	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Dy (ppm)	Er (ppm)	Eu (ppm)	Fe (ppm)	Ga (ppm)	Gd (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppm)	In (ppm)
K518301	0.07	7.17	32.7	223	0.15	82	*NA*	*NA*	*NA*	86300	13.65	*NA*	0.07	0.9	*BDL*	0.027
K518302	0.07	4.84	41.5	339	0.33	405	*NA*	*NA*	*NA*	76300	14.9	*NA*	0.07	0.8	*BDL*	0.054
K518303	0.04	4.5	34.1	235	0.19	99.3	*NA*	*NA*	*NA*	29200	12	*NA*	0.05	0.6	*BDL*	0.03
K518304	0.05	74.1	18	129	0.18	6.7	*NA*	*NA*	*NA*	25000	15.65	*NA*	0.11	3.2	*BDL*	0.024
K518305	0.11	6.54	18.6	250	0.3	19.8	*NA*	*NA*	*NA*	67200	14.25	*NA*	0.05	0.7	*BDL*	0.057
K518306	0.1	14.7	4.7	14	2.09	6.3	0.55	0.25	0.4	17000	21.5	0.77	0.08	2.37	*BDL*	0.014
K518307	0.06	38.6	7.1	18	0.55	14	1.05	0.4	0.79	17800	23.1	2.1	0.12	3.27	*BDL*	0.027
K518308	0.08	4.44	8.9	193	0.27	15.2	*NA*	*NA*	*NA*	34300	13.2	*NA*	*BDL*	0.6	*BDL*	0.037
K518309	0.05	16.45	4.6	34	0.91	13	*NA*	*NA*	*NA*	17600	18.45	*NA*	*BDL*	1.8	*BDL*	0.033
K518310	0.03	10.45	5.6	30	0.6	11.7	*NA*	*NA*	*NA*	19700	20.4	*NA*	*BDL*	1.6	*BDL*	0.02
K518311	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518312	0.03	11.1	5	19	0.76	13.1	*NA*	*NA*	*NA*	18600	19.35	*NA*	*BDL*	1.8	*BDL*	0.02
K518313	0.08	2.94	41.7	250	0.43	35.2	*NA*	*NA*	*NA*	54500	16.8	*NA*	0.05	1.3	*BDL*	0.054
K518314	0.15	11.35	50.3	111	0.29	144	*NA*	*NA*	*NA*	101500	19.15	*NA*	0.07	0.5	*BDL*	0.086
K518315	0.04	10.65	11.6	45	0.88	30.4	*NA*	*NA*	*NA*	26000	15.25	*NA*	0.1	2.3	*BDL*	0.031
K518316	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518317	0.09	62.5	27.2	264	0.36	12.5	*NA*	*NA*	*NA*	45400	16.85	*NA*	0.15	3.8	*BDL*	0.05
K518318	0.03	26	5.1	15	0.34	16.2	*NA*	*NA*	*NA*	15900	20.1	*NA*	0.11	2.8	*BDL*	0.021
K518319	*BDL*	34.3	7.1	26	0.45	5.5	*NA*	*NA*	*NA*	18400	20.5	*NA*	0.12	3	*BDL*	0.025
K518320	0.03	7.7	5.2	34	0.41	33.8	*NA*	*NA*	*NA*	17000	8.07	*NA*	0.07	0.7	*BDL*	0.019
K518321	0.02	10.45	7.2	22	1.15	5.5	*NA*	*NA*	*NA*	20200	17	*NA*	0.09	1.6	*BDL*	0.022
K518322	0.02	10.75	8.1	30	1.31	24.2	*NA*	*NA*	*NA*	15700	21.5	*NA*	0.1	1.9	*BDL*	0.023
K518323	0.02	20.5	4.3	28	0.71	10	*NA*	*NA*	*NA*	13200	9.12	*NA*	0.08	0.8	*BDL*	0.016
K518324	0.09	8.94	55	62	0.7	131.5	*NA*	*NA*	*NA*	100500	16.35	*NA*	0.14	1.1	*BDL*	0.069
K518325	0.02	8.96	6.8	44	0.1	36.3	*NA*	*NA*	*NA*	20500	4.97	*NA*	0.07	0.6	*BDL*	0.009
K518326	0.07	14	41.2	105	0.43	96.3	*NA*	*NA*	*NA*	89400	20.6	*NA*	0.11	1.5	*BDL*	0.066
K518327	0.09	11.7	25.7	33	0.26	46.6	*NA*	*NA*	*NA*	62700	13.5	*NA*	0.09	0.6	*BDL*	0.057
K518328	*BDL*	3.14	4.1	28	0.06	157.5	*NA*	*NA*	*NA*	20200	3.63	*NA*	0.05	0.2	*BDL*	0.009
K518329	0.03	8.07	8.7	28	0.13	1295	*NA*	*NA*	*NA*	29800	3.47	*NA*	0.06	0.2	*BDL*	0.031
K518330	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518331	0.02	2	3.3	35	0.06	80.3	*NA*	*NA*	*NA*	18900	6.23	*NA*	0.06	0.2	*BDL*	0.01
K518332	0.13	16.2	49.6	36	0.39	92.4	*NA*	*NA*	*NA*	119500	20.1	*NA*	0.12	1.4	*BDL*	0.114
K518701	0.11	17.15	39.5	48	0.16	55.1	*NA*	*NA*	*NA*	112000	20.6	*NA*	0.1	1.6	*BDL*	0.13
K518702	0.02	0.6	1.2	25	*BDL*	6.9	*NA*	*NA*	*NA*	12100	1.34	*NA*	*BDL*	0.1	*BDL*	0.011
K518703	0.15	15.8	34.7	16	0.13	37	*NA*	*NA*	*NA*	117500	19.25	*NA*	0.1	1.8	*BDL*	0.112
K518704	4.38	4.1	74.3	1675	5.22	51.1	0.97	0.59	0.22	51800	5.7	0.75	0.06	0.22	0.561	0.142
K518705	0.03	37.8	7.4	45	0.45	17.9	*NA*	*NA*	*NA*	28300	12.3	*NA*	*BDL*	1	*BDL*	0.014
K518706	0.08	18.6	112	66	1.1	347	1.92	1.09	1.16	37300	14.4	2.3	0.07	2.79	0.005	0.066
K518707	0.02	66.6	12	33	1.26	41.9	*NA*	*NA*	*NA*	16600	13.45	*NA*	0.12	3.5	*BDL*	0.033
K518708	0.23	65.7	26.1	268	5.1	31.3	*NA*	*NA*	*NA*	59500	16.5	*NA*	0.06	3.6	0.007	0.065
K518709	0.13	69.5	59.9	363	22	31.4	*NA*	*NA*	*NA*	66600	17.4	*NA*	0.07	3.9	*BDL*	0.058
K518710	0.9	38.9	31.2	187	4.2	68.1	*NA*	*NA*	*NA*	39300	7.68	*NA*	*BDL*	1.5	0.036	0.077
K518711	0.12	21.5	18.5	116	0.68	153.5	*NA*	*NA*	*NA*	92000	23.7	*NA*	0.05	1.5	0.006	0.147
K518712	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518713	0.05	8.02	29.3	108	0.53	88.6	*NA*	*NA*	*NA*	130000	16.25	*NA*	*BDL*	0.9	*BDL*	0.086
K518714	*BDL*	11.85	314	104	0.45	2350	*NA*	*NA*	*NA*	187000	21.8	*NA*	0.09	0.9	0.06	0.293
K518715	0.05	112.5	12.5	64	1.58	55.1	*NA*	*NA*	*NA*	30100	20.7	*NA*	0.08	4.8	*BDL*	0.035
K518716	0.14	209	52.5	93	5.06	289	*NA*	*NA*	*NA*	58200	19.15	*NA*	0.18	9	*BDL*	0.055
K518717	0.11	78.7	15.1	80	1.45	777	*NA*	*NA*	*NA*	28000	16.6	*NA*	0.1	4.3	0.006	0.061
K518718	0.05	16.2	5.2	53	0.6	24.9	*NA*	*NA*	*NA*	64100	16.65	*NA*	*BDL*	1.4	0.006	0.092
K518719	0.15	54.4	16.1	246	18.7	22.4	*NA*	*NA*	*NA*	40500	15.4	*NA*	*BDL*	3.4	0.013	0.069
K518720	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518721	0.03	71.7	5.3	34	1.77	139	*NA*	*NA*	*NA*	17400	19	*NA*	*BDL*	6.1	*BDL*	0.015
K518722	0.03	0.35	61.9	56	0.1	2490	*NA*	*NA*	*NA*	29700	0.4	*NA*	*BDL*	*BDL*	0.005	0.055
K518724	*BDL*	3.01	122.5	50	0.42	635	*NA*	*NA*	*NA*	35400	5.99	*NA*	*BDL*	0.6	0.011	0.02
K518725	0.02	7.09	12.7	47	0.29	21.9	*NA*	*NA*	*NA*	19400	8.89	*NA*	*BDL*	0.5	*BDL*	0.018
K518726	0.04	57.7	16.9	107	6.16	70	*NA*	*NA*	*NA*	37200	22.4	*NA*	0.07	4.3	*BDL*	0.061
K518727	0.09	35.8	93	104	2.41	152	*NA*	*NA*	*NA*	46600	18.15	*NA*	0.1	3.4	*BDL*	0.048
K518728	*BDL*	72.8	33.9	372	11.7	673	*NA*	*NA*	*NA*	42900	17.35	*NA*	0.14	3.8	0.02	0.064
K518729	0.02	47.4	22.5	256	13.55	20.1	*NA*	*NA*	*NA*	54400	15.6	*NA*	0.14	3.6	0.005	0.035
K518730	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518731	0.02	115	6.1	71	1.47	16.8	*NA*	*NA*	*NA*	30400	20.2	*NA*	0.14	5.3	*BDL*	0.017
K518732	0.03	137.5	12	71	8.04	72.6	*NA*	*NA*	*NA*	28300	21.5	*NA*	0.15	5.3	*BDL*	0.035
K518732	0.03	137.5	12	71	8.04	72.6	*NA*	*NA*	*NA*	28300	21.5	*NA*	0.15	5.3	*BDL*	0.035
K518733	0.14	33	62.8	44	1.05	10.3	*NA*	*NA*	*NA*	100000	22.2	*NA*	0.16	1.9	*BDL*	0.115
K518734	0.06	42	54	57	23.5	99.5	*NA*	*NA*	*NA*	88000	26.6	*NA*	0.17	2.6	*BDL*	0.09
K518735	0.08	57.9	33.9	70	22.4	197	*NA*	*NA*	*NA*	47500	21.1	*NA*	0.12	3.6	*BDL*	0.077
K518736	0.06	93.9	7.9	60	1.58	3.5	*NA*	*NA*	*NA*	18100	18.35	*NA*	0.12	3.8	*BDL*	0.021
K518737	0.02	27.6	12.8	19	1.58	85.7	*NA*	*NA*	*NA*	17600	15.15	*NA*	*BDL*	1.3	*BDL*	0.023

	Assay Results (Combined - 2)															
Sample ID	**Cd (ppm)**	**Ce (ppm)**	**Co (ppm)**	**Cr (ppm)**	**Cs (ppm)**	**Cu (ppm)**	**Dy (ppm)**	**Er (ppm)**	**Eu (ppm)**	**Fe (ppm)**	**Ga (ppm)**	**Gd (ppm)**	**Ge (ppm)**	**Hf (ppm)**	**Hg (ppm)**	**In (ppm)**
K518738	0.14	61.9	21.5	70	11.15	1350	*NA*	*NA*	*NA*	51400	20.7	*NA*	0.13	4.8	0.01	0.072
K518740	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518751	0.03	27.6	5.3	38	0.71	7.9	0.76	0.38	0.54	15400	22	1.4	0.08	3.03	*BDL*	0.017
K518752	0.03	147	10	91	3.78	27.1	3.82	1.44	2.55	27300	22.6	7.36	0.16	6.71	*BDL*	0.029
K518753	0.14	138	11.6	96	2.34	36.8	3.4	1.44	2.28	29200	22.5	6.31	0.18	5.74	*BDL*	0.033

	Assay Results (Combined - 3)															
Sample ID	**K (ppm)**	**La (ppm)**	**Li (ppm)**	**Lu (ppm)**	**Mg (ppm)**	**Mn (ppm)**	**Mo (ppm)**	**Na (ppm)**	**Nb (ppm)**	**Nd (ppm)**	**Ni (ppm)**	**P (ppm)**	**Pb (ppm)**	**Pr (ppm)**	**Rb (ppm)**	**Re (ppm)**
K518001	2500	2.8	8.7	0.4	36100	1650	0.5	24900	2.72	7.2	42.9	370	0.9	1.33	7.4	0.002
K518002	1400	3.1	9.3	0.36	40200	1595	0.64	17600	2.79	8	75.1	320	2.4	1.32	2.7	0.002
K518003	3500	10.6	13.8	0.45	33100	1610	0.52	17800	6.54	15.8	56.3	630	2.3	3.18	10.8	0.002
K518004	5400	11	10.4	0.06	8600	313	1.37	37300	1.76	12.3	15.9	740	3.1	2.78	12.3	*BDL*
K518005	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518006	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518007	51600	75.5	18.9	0.21	1900	184	0.83	30200	10.65	63.4	37.6	1360	6.4	17	234	*BDL*
K518008	44400	120.5	42.6	0.36	10800	731	0.77	37100	12.9	95.1	47.9	2970	60.4	25.3	311	*BDL*
K518009	46900	93.6	16.2	0.23	7600	821	0.88	28800	13.7	80	47.8	1560	18.4	21.6	204	*BDL*
K518010	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518011	39000	73.1	8	0.22	4000	827	5.12	40600	11.6	51	23.8	1020	27.2	14.6	108.5	*BDL*
K518012	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518013	24800	41.9	11.7	0.14	6000	661	3.41	46800	6.18	39.9	38.5	720	15.3	10.95	68.7	0.002
K518031	49200	81	9.3	*NA*	4000	830	1.55	38500	4.4	*NA*	28.3	1220	19.8	*NA*	167	*BDL*
K518032	17500	41.2	5.7	*NA*	2600	536	3.87	24400	4.6	*NA*	10.4	680	14.4	*NA*	51	*BDL*
K518033	38300	56.3	68.4	*NA*	7300	184	1.9	22200	3	*NA*	39.3	1180	40.6	*NA*	221	*BDL*
K518034	50600	88.8	37.1	*NA*	4500	303	1.7	30000	3.8	*NA*	44.2	1370	24.1	*NA*	225	*BDL*
K518035	21100	15.3	27.4	*NA*	11900	1290	2.84	22300	2	*NA*	74.9	450	8.5	*NA*	145.5	0.004
K518036	32200	33.2	28.5	*NA*	6100	692	10.65	10400	2.7	*NA*	79.5	820	9.7	*NA*	201	0.012
K518037	32700	11.1	23.2	*NA*	5900	251	4.35	5900	1.8	*NA*	51	550	22.7	*NA*	208	0.004
K518038	33800	40.6	30.3	*NA*	7900	920	14.2	27300	2.7	*NA*	60.5	1860	24.7	*NA*	137.5	0.013
K518051	18000	26.9	12.5	0.08	19500	484	0.66	40500	3.19	28.2	64.5	840	4.3	6.76	47.2	*BDL*
K518052	21000	23.4	13.8	0.09	20100	523	0.63	37300	3.16	28.4	70.9	890	4	6.91	59.2	*BDL*
K518057	14300	5.6	1.9	*NA*	7800	882	3.28	23600	1.3	*NA*	21.1	420	4.7	*NA*	38.2	*BDL*
K518058	20400	22.6	2.7	*NA*	15700	1405	54.2	29000	2.3	*NA*	13.4	2270	8.8	*NA*	51.7	0.011
K518059	19600	11.1	6.5	*NA*	3700	158	0.81	39200	1.7	*NA*	4.3	270	4.3	*NA*	49.7	*BDL*
K518060	2000	0.8	0.9	*NA*	400	66	2.49	1100	0.1	*NA*	2.4	30	0.7	*NA*	4.3	*BDL*
K518061	4100	18	8.6	*NA*	20600	998	0.58	45800	8.7	*NA*	5.2	1230	3.2	*NA*	8.3	*BDL*
K518062	3400	8.4	3.7	*NA*	11500	2510	2.4	3600	4.7	*NA*	29.5	800	4	*NA*	7.4	0.003
K518063	200	*BDL*	1.5	*NA*	600	109	2.25	1100	0.1	*NA*	1.5	30	0.7	*NA*	1	*BDL*
K518064	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518065	5300	3.6	13	0.3	43800	1650	0.96	18400	2.73	6.4	80.4	200	3	1.32	27	0.002
K518066	40200	29.9	8.2	0.22	9400	451	1.53	39400	6.56	22.7	14.7	810	21.6	6.46	116	*BDL*
K518067	27800	50.5	2	0.14	25900	723	0.62	32000	11.15	58	98.4	1700	14.3	14.95	83.7	*BDL*
K518101	14600	13	19.3	0.06	11500	361	0.72	36700	2.45	15	36.2	490	5.9	3.71	39.8	*BDL*
K518102	4300	16.1	7.6	0.13	14100	553	1.04	41100	6.23	15.3	36.1	500	1.8	3.88	14	*BDL*
K518103	5500	11.4	16.8	0.17	17400	815	0.63	20200	6.6	12.5	46.9	430	3	3.02	14.2	*BDL*
K518104	1500	9.7	5.5	0.2	16600	450	1.16	27200	8.4	14	66.4	840	2.3	3.06	4.9	*BDL*
K518105	15800	6	41.7	0.33	43800	1725	0.15	23300	4.17	9.2	113	410	8.7	2.07	98.4	*BDL*
K518106	20600	20.1	27.7	0.26	10600	385	6.58	35100	7.82	18.6	38.5	870	13.5	4.81	118.5	0.003
K518153	17300	22.2	28.1	*NA*	13400	510	1.66	33500	5.7	*NA*	61.5	600	9.8	*NA*	71.5	*BDL*
K518154	1200	6.9	6.7	*NA*	22100	1920	1.11	23100	4.2	*NA*	41.5	540	1.4	*NA*	5	0.006
K518155	300	0.6	1.6	*NA*	2600	1460	1.59	1200	0.2	*NA*	3.8	80	1.3	*NA*	3.5	*BDL*
K518156	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518157	17400	19	13.2	*NA*	47000	1225	0.27	21100	2.9	*NA*	112	1640	8.4	*NA*	57.6	*BDL*
K518158	15900	14.6	14	*NA*	38800	1220	0.33	20600	3.1	*NA*	87.7	1020	8.2	*NA*	69.6	*BDL*
K518159	2000	2	11.1	*NA*	40900	1220	2.7	11300	1.3	*NA*	68.8	160	1	*NA*	6.8	0.003
K518160	2200	1.5	18.6	*NA*	43900	1710	2.6	22600	1.3	*NA*	109	160	67.7	*NA*	9	0.003
K518161	7400	1.2	16.1	*NA*	13100	2180	0.68	14100	0.9	*NA*	44	220	3.4	*NA*	25.2	0.002
K518162	3000	2.1	15.5	*NA*	49400	1615	0.27	16400	2	*NA*	181.5	270	1.3	*NA*	10	*BDL*
K518163	12200	11.1	6.4	*NA*	24100	1115	0.66	27200	2.2	*NA*	84.2	880	6.2	*NA*	33.3	*BDL*
K518164	18800	17	17.7	*NA*	10800	1125	0.7	22900	4.2	*NA*	241	1290	2.6	*NA*	57	*BDL*
K518165	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518166	4200	12.2	25	*NA*	123000	1075	0.11	1000	1.1	*NA*	1165	620	1.6	*NA*	28.1	*BDL*
K518167	2100	1.8	7.4	*NA*	10400	251	1.94	100	0.5	*NA*	6.4	770	1	*NA*	23.5	*BDL*
K518168	1600	0.7	3.1	*NA*	4200	278	2.34	400	0.4	*NA*	21.6	160	1	*NA*	6.1	*BDL*
K518169	400	2.6	2.2	*NA*	10000	192	1.36	400	0.2	*NA*	2.3	580	0.9	*NA*	5	*BDL*
K518170	23500	54.3	5.6	*NA*	35500	763	0.3	32400	4.7	*NA*	97.8	1390	9.4	*NA*	64	*BDL*
K518171	12000	6.9	11.3	*NA*	13700	453	1.96	1500	1.1	*NA*	10.1	520	5.2	*NA*	96.4	0.002
K518172	3000	1.4	3.1	*NA*	4900	155	2.66	4700	0.5	*NA*	5.6	190	0.9	*NA*	22.7	*BDL*
K518173	3900	7	4.2	*NA*	14600	345	1.71	5000	0.8	*NA*	16.3	750	1.9	*NA*	26.4	*BDL*
K518174	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518175	2300	3.6	4.1	*NA*	12400	347	1.69	600	0.4	*NA*	3	640	1.2	*NA*	20.2	*BDL*
K518176	16200	11	14.6	*NA*	37100	1330	0.65	26900	2.1	*NA*	114	860	4.8	*NA*	41.3	*BDL*
K518177	16000	17	14	*NA*	48100	1090	0.33	18400	2.6	*NA*	58.7	1830	5	*NA*	53.6	*BDL*
K518178	600	2.9	20.4	*NA*	119500	1390	0.29	2300	1.2	*NA*	634	320	0.7	*NA*	1.6	*BDL*
K518179	1800	1.3	11.3	*NA*	45300	1245	0.33	12000	0.9	*NA*	138	100	1.2	*NA*	4.6	*BDL*
K518180	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518181	12000	10.1	21	*NA*	11200	671	42.5	26900	11.8	*NA*	23.2	570	3.1	*NA*	16.4	*BDL*

	Assay Results (Combined - 3)															
Sample ID	**K (ppm)**	**La (ppm)**	**Li (ppm)**	**Lu (ppm)**	**Mg (ppm)**	**Mn (ppm)**	**Mo (ppm)**	**Na (ppm)**	**Nb (ppm)**	**Nd (ppm)**	**Ni (ppm)**	**P (ppm)**	**Pb (ppm)**	**Pr (ppm)**	**Rb (ppm)**	**Re (ppm)**
K518182	7800	8.4	14.6	*NA*	34700	1170	0.87	24200	5.8	*NA*	91.8	620	1.7	*NA*	25.1	*BDL*
K518183	18300	18.1	33.6	*NA*	13700	537	1.08	8200	9.6	*NA*	29.9	610	2.1	*NA*	40.1	*BDL*
K518184	700	1.6	3.8	*NA*	2400	152	2.55	3200	0.4	*NA*	6	30	0.6	*NA*	1.8	*BDL*
K518185	4000	11.6	19.9	*NA*	28200	962	0.69	31900	9.4	*NA*	72.9	510	5.4	*NA*	6.2	*BDL*
K518186	3900	9.3	30.2	*NA*	29100	1265	0.45	34900	11	*NA*	89.2	950	9	*NA*	6.4	*BDL*
K518187	8400	17.1	4.4	*NA*	6900	324	0.7	49800	3.1	*NA*	11.9	390	7.8	*NA*	12.2	*BDL*
K518188	13800	7.2	14.8	*NA*	4100	212	0.95	40400	1.7	*NA*	6	370	4.9	*NA*	22.6	*BDL*
K518189	5200	2.3	30.5	*NA*	48700	1455	0.17	25600	2	*NA*	181.5	280	1.9	*NA*	14.9	*BDL*
K518190	5600	3.4	18.7	*NA*	31600	1280	0.53	19500	2.6	*NA*	164.5	370	1.6	*NA*	12.2	*BDL*
K518191	2300	3.3	12.6	*NA*	40400	3410	0.56	7500	2.9	*NA*	262	390	4.4	*NA*	4.7	*BDL*
K518192	6600	4.2	13.4	*NA*	29100	799	1.78	30200	2.4	*NA*	138.5	270	14.6	*NA*	16.9	0.002
K518193	18600	9.7	7	*NA*	7200	221	0.64	46800	2.7	*NA*	12.2	540	7.2	*NA*	37.8	*BDL*
K518194	13800	24.8	15.9	*NA*	17300	328	0.59	39700	2.4	*NA*	40.5	760	4	*NA*	31.4	*BDL*
K518195	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518196	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518197	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518198	42900	67.2	45.2	*NA*	6100	452	3.46	10400	5.6	*NA*	59.9	2130	17.4	*NA*	206	0.003
K518199	40400	71.6	94.2	*NA*	4800	415	13.35	1100	3.7	*NA*	80.8	2140	17.8	*NA*	203	0.007
K518200	40600	66.3	8.2	*NA*	2000	339	0.93	30600	2.2	*NA*	38.7	1170	6.5	*NA*	147	*BDL*
K518201	3400	1.2	1.9	*NA*	300	106	2.65	2000	0.1	*NA*	2.8	20	1.9	*NA*	7.8	*BDL*
K518202	6300	3	13.8	*NA*	43300	1505	1.48	27200	1.7	*NA*	88.6	190	2.1	*NA*	18.3	*BDL*
K518203	100	0.6	1.5	*NA*	1500	305	2.63	400	0.2	*NA*	5.9	50	1.2	*NA*	0.4	*BDL*
K518204	3900	4.1	9.5	*NA*	21500	1650	1.44	19200	3.9	*NA*	30.7	540	3	*NA*	11.8	*BDL*
K518205	2400	16.2	7.9	*NA*	11000	701	1.75	21600	5.1	*NA*	21.4	650	5.3	*NA*	5.8	*BDL*
K518206	2300	66.7	14.4	*NA*	10100	562	0.39	68100	13	*NA*	1.8	880	8.3	*NA*	3.1	*BDL*
K518207	100	1.3	3.5	*NA*	1100	126	2.49	900	0.2	*NA*	2.4	40	0.8	*NA*	0.6	*BDL*
K518208	300	1.5	0.9	*NA*	700	89	83.3	3100	0.3	*NA*	2.3	60	1.3	*NA*	0.7	0.013
K518209	8800	10	22	*NA*	24800	911	1.29	28600	3.8	*NA*	98.1	740	2.9	*NA*	22.6	*BDL*
K518210	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518211	14900	19	18.1	*NA*	7000	353	1.4	14400	6.5	*NA*	5.2	380	2.6	*NA*	65.6	*BDL*
K518212	3100	7.4	16.9	*NA*	16200	1965	5.05	30000	7.9	*NA*	1	1060	2.6	*NA*	12.2	0.003
K518213	1100	2.6	1	*NA*	1700	947	3.95	6200	1.3	*NA*	3.2	300	3.3	*NA*	3.4	*BDL*
K518214	10800	54.9	17.4	*NA*	58400	949	0.48	28400	3.8	*NA*	280	1310	10.8	*NA*	25.3	*BDL*
K518215	700	*BDL*	0.8	*NA*	200	146	3.89	1500	*BDL*	*NA*	3.7	10	0.8	*NA*	2	*BDL*
K518216	600	17.3	4.9	*NA*	12000	933	2.14	800	3	*NA*	11.9	630	9.1	*NA*	0.8	*BDL*
K518217	200	5.6	3.6	*NA*	4100	517	3.85	100	0.9	*NA*	7.4	230	4.7	*NA*	0.7	*BDL*
K518218	11200	23.7	25	*NA*	11400	749	1.11	10300	7.7	*NA*	11	1050	3.9	*NA*	42.4	*BDL*
K518219	3700	9.8	3	*NA*	2500	201	4.26	4800	0.6	*NA*	7.2	70	1.6	*NA*	9.4	*BDL*
K518220	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518221	6500	4.1	14.5	*NA*	46400	1630	0.54	13100	1.9	*NA*	135.5	260	2	*NA*	16.9	*BDL*
K518222	11000	9.5	17.7	*NA*	19200	753	0.34	37800	5	*NA*	29.9	740	5.6	*NA*	25.1	*BDL*
K518223	12600	8.7	14.8	*NA*	18000	787	0.5	36000	4.8	*NA*	41.9	570	3.5	*NA*	21.2	*BDL*
K518224	4900	13.8	26.1	*NA*	25300	1105	2.28	31300	8.7	*NA*	53.1	700	3	*NA*	7.8	0.002
K518225	4200	3.4	18.8	*NA*	47600	1635	0.54	18100	1.6	*NA*	138.5	240	2.7	*NA*	10.3	*BDL*
K518226	10600	11.4	17.3	*NA*	21200	765	0.94	27800	6.8	*NA*	59.1	530	2.5	*NA*	16.2	*BDL*
K518227	2100	1.8	7.9	*NA*	50600	1445	0.24	15800	1.4	*NA*	165	200	0.9	*NA*	3.6	*BDL*
K518228	5800	3.9	23.7	*NA*	49900	1465	0.28	25200	1.5	*NA*	144	210	1.8	*NA*	15.6	*BDL*
K518229	8100	8.5	26.1	*NA*	16000	662	1.05	23500	6.6	*NA*	29.2	590	2.6	*NA*	19.2	*BDL*
K518230	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518231	6400	3.6	1.3	*NA*	1300	110	1.34	9200	1.8	*NA*	5.7	150	7.9	*NA*	18.9	*BDL*
K518232	10600	11	43.5	*NA*	35200	1775	0.66	18000	4.8	*NA*	77.7	490	7.6	*NA*	160	0.002
K518251	3500	6.3	15.1	*NA*	22000	995	0.75	26400	8.3	*NA*	71.1	780	3.6	*NA*	12.7	*BDL*
K518252	11800	1.3	18.2	*NA*	55700	1275	1.61	13900	0.9	*NA*	109.5	170	2	*NA*	50.8	*BDL*
K518253	2000	15.8	14.2	*NA*	17200	406	1.16	41700	5.5	*NA*	50.2	490	1.6	*NA*	3.2	*BDL*
K518254	3700	11.2	8.3	*NA*	14900	624	2.55	38500	7	*NA*	39.9	660	2.9	*NA*	9.6	*BDL*
K518255	7400	97.1	9	*NA*	5200	322	188	8500	1.8	*NA*	18.6	290	66.3	*NA*	44.3	0.014
K518256	30100	38.8	17.9	*NA*	8900	302	329	27700	5.8	*NA*	31.2	1100	132.5	*NA*	88.9	0.054
K518257	31600	40.9	40.8	*NA*	14700	773	27.3	45600	5.6	*NA*	53.7	990	55.3	*NA*	121.5	0.003
K518258	45000	41.5	56.6	*NA*	6100	371	5.29	17000	8	*NA*	61	1220	39.7	*NA*	214	0.004
K518259	40800	45.3	74.7	*NA*	6300	174	13.6	11000	6.7	*NA*	73.7	1530	18.3	*NA*	208	0.012
K518260	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518261	44100	6	65.1	0.18	5100	219	0.62	2600	5.76	6.6	46.2	650	10.6	1.64	306	*BDL*
K518262	33800	17.2	40.7	*NA*	4700	671	6.45	14600	5.3	*NA*	36.8	700	12.2	*NA*	171	0.009
K518263	23100	50.8	33.9	*NA*	7400	1110	1.08	28500	1.8	*NA*	44.1	2090	36.6	*NA*	101	*BDL*
K518264	44600	113.5	50.1	0.3	6800	494	1.22	26300	8.62	69.3	55.1	2220	13.6	19.4	200	*BDL*
K518265	20500	102	26.4	*NA*	3200	262	6.35	14900	1.3	*NA*	24.9	690	9.5	*NA*	89.1	0.007
K518266	27100	57.8	26.9	*NA*	12700	1550	2.07	21600	3.5	*NA*	108	990	9.9	*NA*	164.5	0.002
K518267	16300	64.3	7.7	*NA*	2600	354	1.25	50000	4.3	*NA*	22	530	15.1	*NA*	54.4	*BDL*
K518268	20600	22.3	22.9	*NA*	10900	887	4.21	30800	6.2	*NA*	94.8	650	22.6	*NA*	70.1	0.002

	Assay Results (Combined - 3)															
Sample ID	**K (ppm)**	**La (ppm)**	**Li (ppm)**	**Lu (ppm)**	**Mg (ppm)**	**Mn (ppm)**	**Mo (ppm)**	**Na (ppm)**	**Nb (ppm)**	**Nd (ppm)**	**Ni (ppm)**	**P (ppm)**	**Pb (ppm)**	**Pr (ppm)**	**Rb (ppm)**	**Re (ppm)**
K518301	13800	3.9	1.9	*NA*	8100	903	1.6	33300	1.4	*NA*	31.6	200	7	*NA*	35.1	0.002
K518302	14800	3	23	*NA*	39500	1250	2.08	13200	0.8	*NA*	63.2	150	2.4	*NA*	50.5	*BDL*
K518303	22000	2.2	2.3	*NA*	6500	760	3.65	46000	1	*NA*	28.5	170	3.8	*NA*	63.2	*BDL*
K518304	13500	32.5	3.2	*NA*	25200	456	0.18	43400	3.7	*NA*	120.5	1380	3.7	*NA*	31	*BDL*
K518305	10800	2.9	2.8	*NA*	11100	2040	0.39	35300	0.9	*NA*	20.7	200	7.3	*NA*	28.3	*BDL*
K518306	31600	7.1	29	0.03	13700	333	0.36	10300	1.09	5.6	9.3	220	4.2	1.52	115	*BDL*
K518307	15800	18.2	16.1	0.06	6800	256	0.45	39000	2.86	19.6	10.6	590	10.2	4.88	36.5	*BDL*
K518308	12900	2.3	1.8	*NA*	7400	1290	1.5	42200	0.8	*NA*	18.1	160	7.3	*NA*	28.4	*BDL*
K518309	25600	7.9	10.7	*NA*	7700	252	0.54	25900	2.8	*NA*	12.4	370	3.2	*NA*	75	*BDL*
K518310	22400	4.6	11.6	*NA*	6800	329	0.59	32800	1.8	*NA*	9.9	280	3.4	*NA*	60.4	*BDL*
K518311	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518312	22200	4.6	12.9	*NA*	7000	326	0.76	37800	2.7	*NA*	8.2	290	3.4	*NA*	58.9	*BDL*
K518313	7100	1.2	7.1	*NA*	9500	1990	0.53	31600	0.8	*NA*	59.2	230	8.9	*NA*	16.7	*BDL*
K518314	3000	3.9	12.3	*NA*	37400	1455	0.72	10900	2.9	*NA*	93.8	430	3.4	*NA*	8.1	*BDL*
K518315	17100	4.4	17.1	*NA*	19700	346	5.93	28600	1.4	*NA*	37	420	4.1	*NA*	42.1	0.002
K518316	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518317	7600	27.4	10.5	*NA*	46500	786	0.49	33300	4.5	*NA*	217	1250	5.6	*NA*	18	*BDL*
K518318	9800	12.4	5.4	*NA*	5300	205	0.7	44400	2	*NA*	7.3	450	7.9	*NA*	21.8	*BDL*
K518319	13200	17	8.8	*NA*	7200	202	0.88	42900	1.8	*NA*	14	580	4.3	*NA*	29.3	*BDL*
K518320	12000	3.9	12.1	*NA*	10700	242	3.85	6400	0.8	*NA*	13.1	150	2.3	*NA*	27.4	*BDL*
K518321	33000	4.3	19.4	*NA*	13500	278	0.63	2700	1.4	*NA*	14.1	270	2	*NA*	66.4	*BDL*
K518322	48900	5.4	15.7	*NA*	7700	166	4.2	8600	1.8	*NA*	17.5	300	3.4	*NA*	100	0.002
K518323	15800	10.9	9.3	*NA*	5600	170	7.84	6400	0.6	*NA*	8.3	140	2.1	*NA*	37.7	*BDL*
K518324	3800	3.3	20.7	*NA*	44900	1765	1.15	16900	2.6	*NA*	96.5	350	2.4	*NA*	19.3	*BDL*
K518325	2400	5.7	2.4	*NA*	4400	202	2.81	8100	0.8	*NA*	9.2	90	0.6	*NA*	6.6	*BDL*
K518326	5700	6.5	18.6	*NA*	32800	1160	0.86	23500	2.9	*NA*	57.5	380	1.7	*NA*	18	*BDL*
K518327	3200	5	7.3	*NA*	18100	863	1.64	10900	2	*NA*	22.1	260	4.6	*NA*	8.8	*BDL*
K518328	1000	2.4	2.4	*NA*	2300	135	1.91	4700	0.8	*NA*	5.6	30	0.8	*NA*	2.1	*BDL*
K518329	6900	5.6	5.2	*NA*	4100	235	1.57	3500	2	*NA*	6.7	50	0.8	*NA*	15.6	*BDL*
K518330	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518331	2100	1.3	1.9	*NA*	2200	186	2.3	11500	0.6	*NA*	4.1	20	0.6	*NA*	3.6	*BDL*
K518332	4000	5.6	20	*NA*	31100	1780	29.2	21100	4.4	*NA*	32.7	570	4	*NA*	8.8	0.023
K518701	2300	6.7	10.9	*NA*	32000	1965	0.83	14700	4.2	*NA*	39.8	650	2.3	*NA*	8.4	0.002
K518702	300	*BDL*	0.7	*NA*	500	161	1.78	700	0.2	*NA*	1.9	50	4.3	*NA*	1.2	*BDL*
K518703	4200	5.8	4.1	*NA*	27000	1905	0.55	29300	4.5	*NA*	20	630	4.3	*NA*	6.8	*BDL*
K518704	12600	3.2	24.7	0.1	65200	1015	0.62	200	0.36	1.9	954	30	12.7	0.38	61.1	*BDL*
K518705	3800	30.4	2	*NA*	5000	262	2.34	12100	0.5	*NA*	75.2	210	12.9	*NA*	10.7	*BDL*
K518706	6800	5.5	4.1	0.17	9000	266	10.3	42900	3.14	13.1	97.7	190	14.4	2.92	27.9	0.003
K518707	11800	34.1	7.3	*NA*	2800	539	3	39100	3.7	*NA*	53.7	850	4.8	*NA*	34.3	0.002
K518708	27300	29.7	36.9	*NA*	47400	1560	2.14	14600	4.4	*NA*	78	1760	42.1	*NA*	116.5	0.004
K518709	41300	31.4	70	*NA*	38400	946	1.83	7000	4.8	*NA*	142.5	1550	13.5	*NA*	281	*BDL*
K518710	18100	17	23.1	*NA*	7800	824	79.2	500	2	*NA*	73.1	720	410	*NA*	94.9	0.029
K518711	8100	9.3	7.9	*NA*	24800	1420	0.78	13700	3.3	*NA*	58.2	360	12	*NA*	38.5	*BDL*
K518712	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518713	10000	2.8	12	*NA*	29800	1455	5.31	25700	2.6	*NA*	75.7	340	11.6	*NA*	50.4	0.011
K518714	2400	4.4	23.2	*NA*	21500	1140	0.64	17700	2.5	*NA*	163.5	290	16.8	*NA*	9.4	0.004
K518715	47200	52.3	13.4	*NA*	10700	612	1.63	36200	3.3	*NA*	30.9	930	18.1	*NA*	123.5	*BDL*
K518716	43900	86.7	28.5	*NA*	21800	667	47.9	19300	11	*NA*	68.5	4910	29.5	*NA*	144.5	0.034
K518717	24400	34.8	14.1	*NA*	9900	770	1.82	37200	6.4	*NA*	30.4	1220	24.1	*NA*	61.1	0.002
K518718	4900	5.1	4.7	*NA*	11400	668	6.6	38700	3.8	*NA*	42.6	530	9.7	*NA*	20.4	0.007
K518719	41200	24.3	70	*NA*	33700	926	84.7	3400	4.1	*NA*	78.7	1230	33.3	*NA*	273	0.005
K518720	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518721	18400	36.6	18.2	*NA*	7300	271	3.56	41400	9.3	*NA*	16.9	480	12.3	*NA*	95.4	*BDL*
K518722	100	*BDL*	0.5	*NA*	100	112	23.2	500	*BDL*	*NA*	29.1	10	506	*NA*	0.7	*BDL*
K518724	2600	1.3	2.6	*NA*	3300	141	77.9	3100	0.5	*NA*	46.2	110	29	*NA*	15.6	0.017
K518725	2000	3.9	2.9	*NA*	5600	186	6.17	6300	0.4	*NA*	32.4	130	7.4	*NA*	11	*BDL*
K518726	23900	26.2	37.2	*NA*	9700	778	6.99	34000	3.1	*NA*	72.8	760	7.4	*NA*	213	0.003
K518727	39100	19.4	13.6	*NA*	10200	566	107.5	22500	7	*NA*	54.1	720	130	*NA*	187.5	0.016
K518728	44200	37	50	*NA*	22000	649	26.2	9000	5.1	*NA*	101	1320	354	*NA*	210	0.023
K518729	30800	25.3	52.1	*NA*	21100	492	57.4	13800	4.8	*NA*	62.9	1110	23.3	*NA*	141	0.074
K518730	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518731	39300	57.3	7.6	*NA*	5100	246	2.65	38500	3.7	*NA*	35.3	900	7.6	*NA*	120.5	*BDL*
K518732	37600	68.5	15.6	*NA*	2900	158	2.91	35400	4.5	*NA*	35.8	780	23.3	*NA*	164	0.01
K518732	37600	68.5	15.6	*NA*	2900	158	2.91	35400	4.5	*NA*	35.8	780	23.3	*NA*	164	0.01
K518733	700	18.4	88.1	*NA*	16400	1560	1.36	39000	1.3	*NA*	84.6	600	23.2	*NA*	4.1	0.002
K518734	27800	22	19.3	*NA*	5300	1020	1.62	24200	1.2	*NA*	113	710	6.5	*NA*	188	*BDL*
K518735	29500	30.8	9.5	*NA*	6000	1145	2.9	17900	3.8	*NA*	50.2	670	6.5	*NA*	173	*BDL*
K518736	36900	41.3	7.8	*NA*	4500	604	2.39	29200	3.6	*NA*	19.7	690	13.2	*NA*	103.5	*BDL*
K518737	12400	17.5	9.6	*NA*	6500	396	2.6	35300	1.9	*NA*	22.7	260	5.1	*NA*	39.6	0.002

	Assay Results (Combined - 3)															
Sample ID	**K (ppm)**	**La (ppm)**	**Li (ppm)**	**Lu (ppm)**	**Mg (ppm)**	**Mn (ppm)**	**Mo (ppm)**	**Na (ppm)**	**Nb (ppm)**	**Nd (ppm)**	**Ni (ppm)**	**P (ppm)**	**Pb (ppm)**	**Pr (ppm)**	**Rb (ppm)**	**Re (ppm)**
K518738	16200	35.1	27.2	*NA*	11300	927	2.88	43800	5.8	*NA*	60.2	1150	15.3	*NA*	101	0.002
K518740	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518751	20300	13.5	5.6	0.04	6300	248	0.72	41500	2.44	11.8	17.8	330	8.9	3.11	51.1	*BDL*
K518752	37700	78.9	16	0.19	10700	589	2.49	37800	11.4	65.1	33.5	1040	14.2	17.35	131.5	*BDL*
K518753	38100	73.4	12.2	0.17	7300	656	3.25	35000	8.07	56.8	43.2	810	30.7	15.75	108.5	0.002

	Assay Results (Combined - 4)																
Sample ID	**S (%)**	**Sb (ppm)**	**Sc (ppm)**	**Se (ppm)**	**Sm (ppm)**	**Sn (ppm)**	**Sr (ppm)**	**Ta (ppm)**	**Tb (ppm)**	**Te (ppm)**	**Th (ppm)**	**Ti (%)**	**Tl (ppm)**	**Tm (ppm)**	**U (ppm)**	**V (ppm)**	**W (ppm)**
K518001	0.12	*BDL*	48.7	1	2.35	0.6	86.6	0.2	0.62	0.07	0.24	0.667	0.025	0.38	0.09	368	0.25
K518002	0.08	*BDL*	52.5	1	2.56	1.3	91	0.2	0.6	*BDL*	0.25	0.604	0.025	0.38	0.08	361	0.25
K518003	0.11	0.08	42.7	1	4.19	1	135	0.4	0.8	*BDL*	1.47	0.833	0.05	0.49	0.38	384	0.25
K518004	0.02	*BDL*	4.8	1	2.13	0.5	779	0.1	0.21	*BDL*	1.32	0.22	0.07	0.08	0.7	49	0.25
K518005	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518006	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518007	0.08	1.4	7.3	*BDL*	10.85	1.8	581	0.6	0.89	*BDL*	14.3	0.081	2.15	0.25	1.45	97	16
K518008	0.04	1.13	16.1	*BDL*	16.35	2.4	704	0.6	1.36	*BDL*	14.1	0.185	3.2	0.39	1.88	166	20.6
K518009	0.09	1.36	7.3	*BDL*	13.85	2.1	835	0.7	1.06	*BDL*	24	0.112	2.42	0.29	4.05	90	8.4
K518010	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518011	0.06	1.78	5.8	*BDL*	8.37	1.6	464	0.6	0.66	*BDL*	17.8	0.15	0.72	0.22	5.42	48	5.3
K518012	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518013	0.07	0.5	6.5	*BDL*	6.8	1.7	725	0.3	0.52	*BDL*	7.87	0.122	0.64	0.15	1.77	70	4
K518031	0.07	1.16	5.8	*BDL*	*NA*	0.9	656	0.23	*NA*	*BDL*	20.3	0.109	1.84	*NA*	2.3	58	7.9
K518032	0.06	0.95	2.7	*BDL*	*NA*	0.6	286	0.24	*NA*	*BDL*	10.85	0.085	0.4	*NA*	1.9	23	1.6
K518033	0.16	0.86	7.6	*BDL*	*NA*	1.4	450	0.15	*NA*	*BDL*	12.55	0.104	1.74	*NA*	1.6	99	3.1
K518034	0.14	1.29	7.8	*BDL*	*NA*	1.6	556	0.19	*NA*	*BDL*	17.2	0.133	2.45	*NA*	1.6	80	11.6
K518035	0.62	0.57	14.7	1	*NA*	0.8	166	0.18	*NA*	0.09	2.47	0.159	3.02	*NA*	1.2	110	2.9
K518036	1.22	0.73	14.2	2	*NA*	1	112	0.22	*NA*	0.14	3.1	0.151	3.15	*NA*	1.2	113	8.4
K518037	1.13	1.46	10.3	1	*NA*	1.1	87.2	0.17	*NA*	0.09	3.11	0.155	3.35	*NA*	5.5	93	3.2
K518038	1.02	3.52	15.3	1	*NA*	1.5	1040	0.16	*NA*	0.11	7.74	0.172	1.78	*NA*	9.4	150	4.7
K518051	0	*BDL*	7.6	*BDL*	4.48	1	497	0.2	0.36	*BDL*	3.27	0.224	0.18	0.1	0.6	67	0.25
K518052	0	0.05	8.3	*BDL*	5.31	0.7	469	0.2	0.34	*BDL*	4.6	0.229	0.22	0.1	1.25	75	0.25
K518057	1.15	0.27	20.6	2	*NA*	0.6	265	0.06	*NA*	0.07	0.54	0.197	0.16	*NA*	0.4	112	0.2
K518058	1.08	0.12	24.6	2	*NA*	0.8	890	0.14	*NA*	0.06	2.07	0.37	0.22	*NA*	0.8	213	0.4
K518059	0.03	*BDL*	2.1	*BDL*	*NA*	0.4	420	0.13	*NA*	*BDL*	1.36	0.11	0.2	*NA*	0.4	20	0.2
K518060	0.01	*BDL*	0.3	*BDL*	*NA*	*BDL*	14.8	*BDL*	*NA*	*BDL*	0.13	0.008	0.03	*NA*	*BDL*	4	*BDL*
K518061	0.04	*BDL*	31.4	*BDL*	*NA*	1	155	0.51	*NA*	*BDL*	1.7	0.844	0.05	*NA*	0.5	271	0.1
K518062	0.43	*BDL*	40.3	2	*NA*	1.2	93.8	0.3	*NA*	*BDL*	0.62	1.035	0.04	*NA*	0.2	352	0.4
K518063	0.04	*BDL*	0.7	*BDL*	*NA*	*BDL*	4.4	*BDL*	*NA*	*BDL*	0.02	0.032	*BDL*	*NA*	*BDL*	10	*BDL*
K518064	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518065	0.07	0.35	40.8	1	2.08	1.1	208	0.1	0.48	0.05	0.3	0.408	0.11	0.36	0.07	297	0.6
K518066	0.01	0.13	5.4	*BDL*	4.02	1.2	757	0.5	0.38	*BDL*	10	0.182	0.55	0.16	2.11	58	9.2
K518067	0	0.16	8.9	*BDL*	11.2	1.1	1800	0.7	0.74	*BDL*	8.03	0.478	0.53	0.16	2.58	109	0.6
K518101	0.01	0.06	5.5	*BDL*	3.17	0.7	617	0.2	0.24	*BDL*	2.16	0.173	0.19	0.06	0.55	51	0.5
K518102	0.02	*BDL*	8.6	*BDL*	3.11	1	220	0.5	0.36	*BDL*	1.85	0.263	0.07	0.12	0.44	70	1.1
K518103	0.11	0.05	10.4	*BDL*	2.42	1.1	236	0.6	0.39	*BDL*	2.1	0.295	0.09	0.19	0.53	86	0.5
K518104	0	*BDL*	13.8	*BDL*	3.87	1.3	271	0.6	0.46	*BDL*	1.27	0.487	0.025	0.2	0.33	124	0.25
K518105	0.06	0.73	33	1	2.39	0.7	447	0.3	0.55	*BDL*	1.14	0.57	1.04	0.33	0.24	316	1.7
K518106	0.01	0.39	14.7	*BDL*	3.87	1	514	0.5	0.53	*BDL*	2.37	0.514	1.08	0.29	1.37	141	3
K518153	0.08	0.28	12.8	1	*NA*	1	345	0.49	*NA*	*BDL*	7.24	0.306	0.4	*NA*	2.9	96	0.9
K518154	0.09	0.05	41.9	1	*NA*	2.2	66.9	0.27	*NA*	*BDL*	0.63	0.941	0.02	*NA*	0.2	268	0.2
K518155	0	0.19	1.8	*BDL*	*NA*	0.7	59.9	*BDL*	*NA*	*BDL*	0.07	0.038	*BDL*	*NA*	*BDL*	106	0.1
K518156	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518157	0.07	0.05	32.8	1	*NA*	0.9	888	0.17	*NA*	*BDL*	2.61	0.411	0.22	*NA*	0.8	212	0.2
K518158	0.12	0.05	43.5	*BDL*	*NA*	0.6	562	0.2	*NA*	*BDL*	2.21	0.484	0.31	*NA*	0.8	272	0.2
K518159	0.17	0.11	42.2	1	*NA*	0.3	113	0.09	*NA*	0.08	0.15	0.302	0.06	*NA*	*BDL*	208	0.3
K518160	0.03	0.2	43.8	*BDL*	*NA*	0.3	156	0.09	*NA*	*BDL*	0.14	0.339	0.06	*NA*	0.1	229	0.2
K518161	0.11	0.14	57	1	*NA*	0.3	225	0.06	*NA*	*BDL*	0.1	0.353	0.09	*NA*	*BDL*	285	0.7
K518162	0.03	0.08	40.9	*BDL*	*NA*	0.4	127	0.13	*NA*	*BDL*	0.24	0.462	0.04	*NA*	0.1	243	*BDL*
K518163	0.03	0.06	25.3	1	*NA*	0.7	464	0.14	*NA*	*BDL*	1.82	0.321	0.13	*NA*	0.6	173	0.3
K518164	0.03	0.07	16.9	1	*NA*	0.7	347	0.26	*NA*	*BDL*	1.37	0.7	0.22	*NA*	0.3	194	0.6
K518165	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518166	0.08	0.06	20	1	*NA*	0.3	68.6	0.06	*NA*	*BDL*	0.99	0.213	0.12	*NA*	0.3	94	0.1
K518167	0.59	0.06	1.3	1	*NA*	0.2	13.5	*BDL*	*NA*	*BDL*	0.27	0.039	0.14	*NA*	0.1	15	0.1
K518168	0.35	0.14	1.6	1	*NA*	0.2	7.5	*BDL*	*NA*	*BDL*	0.27	0.036	0.03	*NA*	0.1	57	0.5
K518169	0.01	0.07	0.3	*BDL*	*NA*	*BDL*	22.9	*BDL*	*NA*	*BDL*	0.1	0.009	0.03	*NA*	*BDL*	5	0.1
K518170	0.12	0.08	17.4	1	*NA*	1	876	0.27	*NA*	*BDL*	7.34	0.377	0.3	*NA*	1.7	128	0.3
K518171	2.99	0.08	5.2	5	*NA*	0.6	183.5	0.07	*NA*	0.25	0.56	0.122	0.53	*NA*	0.2	141	0.2
K518172	0.09	*BDL*	1.4	*BDL*	*NA*	0.2	54.5	*BDL*	*NA*	*BDL*	0.42	0.032	0.11	*NA*	0.1	24	0.1
K518173	0.23	0.07	4.5	1	*NA*	0.3	142.5	0.05	*NA*	0.06	0.81	0.075	0.15	*NA*	0.2	54	0.2
K518174	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518175	0.07	0.05	0.9	*BDL*	*NA*	0.3	27.3	*BDL*	*NA*	*BDL*	0.18	0.019	0.11	*NA*	0.1	41	0.1
K518176	0.12	*BDL*	31.7	*BDL*	*NA*	0.5	352	0.13	*NA*	*BDL*	1.37	0.361	0.19	*NA*	0.5	218	0.3
K518177	0.76	0.07	38.9	1	*NA*	0.9	623	0.17	*NA*	0.08	2.59	0.552	0.2	*NA*	1.2	275	0.4
K518178	0.02	*BDL*	20.2	1	*NA*	0.3	34.6	0.05	*NA*	0.05	0.49	0.152	*BDL*	*NA*	0.2	130	0.1
K518179	0.01	*BDL*	32.1	1	*NA*	0.3	73.5	0.05	*NA*	0.06	0.07	0.275	0.04	*NA*	*BDL*	201	0.1
K518180	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518181	0.01	*BDL*	11.6	1	*NA*	1.7	175.5	0.76	*NA*	*BDL*	2.4	0.313	0.1	*NA*	0.6	44	0.1

	Assay Results (Combined - 4)																
Sample ID	**S (%)**	**Sb (ppm)**	**Sc (ppm)**	**Se (ppm)**	**Sm (ppm)**	**Sn (ppm)**	**Sr (ppm)**	**Ta (ppm)**	**Tb (ppm)**	**Te (ppm)**	**Th (ppm)**	**Ti (%)**	**Tl (ppm)**	**Tm (ppm)**	**U (ppm)**	**V (ppm)**	**W (ppm)**
K518182	0.13	0.05	26.9	1	*NA*	0.7	204	0.34	*NA*	*BDL*	0.72	0.541	0.12	*NA*	0.2	186	0.2
K518183	0.04	*BDL*	9.6	1	*NA*	1.2	119.5	0.58	*NA*	*BDL*	1.6	0.318	0.22	*NA*	0.4	70	0.2
K518184	0.02	*BDL*	1.2	*BDL*	*NA*	*BDL*	29.7	*BDL*	*NA*	*BDL*	0.09	0.046	*BDL*	*NA*	*BDL*	13	0.1
K518185	0.01	*BDL*	20.1	1	*NA*	0.9	235	0.54	*NA*	*BDL*	1.23	0.574	0.05	*NA*	0.3	154	0.1
K518186	0.17	*BDL*	19.5	1	*NA*	1.1	181.5	0.61	*NA*	0.07	1.21	0.797	0.04	*NA*	0.4	154	0.1
K518187	0.01	*BDL*	4	1	*NA*	0.5	862	0.21	*NA*	*BDL*	4.09	0.146	0.06	*NA*	0.7	30	0.1
K518188	0	*BDL*	2	*BDL*	*NA*	0.3	616	0.13	*NA*	*BDL*	1.27	0.108	0.11	*NA*	0.3	17	*BDL*
K518189	0.01	*BDL*	33.3	*BDL*	*NA*	0.5	113	0.12	*NA*	*BDL*	0.26	0.425	0.07	*NA*	0.1	232	0.1
K518190	0.23	*BDL*	31	*BDL*	*NA*	0.5	200	0.16	*NA*	*BDL*	0.35	0.474	0.14	*NA*	0.1	216	0.1
K518191	0.38	*BDL*	34	1	*NA*	0.8	71.8	0.17	*NA*	0.11	0.41	0.457	0.05	*NA*	0.1	203	0.1
K518192	0.33	*BDL*	17	2	*NA*	1.4	215	0.17	*NA*	0.27	1.45	0.229	0.16	*NA*	0.5	101	0.1
K518193	0.13	0.06	3.8	1	*NA*	0.5	613	0.18	*NA*	*BDL*	2.22	0.203	0.21	*NA*	0.9	48	0.2
K518194	0.09	*BDL*	5.6	*BDL*	*NA*	0.7	545	0.14	*NA*	*BDL*	3.58	0.245	0.15	*NA*	1	60	0.1
K518195	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518196	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518197	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518198	0.45	1.25	15.7	1	*NA*	1.3	347	0.31	*NA*	0.16	13.75	0.296	1.79	*NA*	3.4	136	2.3
K518199	0.83	2.32	15.8	1	*NA*	1.4	265	0.19	*NA*	0.3	13.45	0.215	2.04	*NA*	3.5	133	6.7
K518200	0.05	1.23	6.6	*BDL*	*NA*	0.6	564	0.1	*NA*	*BDL*	13.45	0.07	1.46	*NA*	1	62	7.9
K518201	0	0.05	0.1	1	*NA*	*BDL*	28.5	*BDL*	*NA*	*BDL*	0.13	0.007	0.04	*NA*	*BDL*	2	0.1
K518202	0.11	0.05	41.5	1	*NA*	0.4	243	0.11	*NA*	0.05	0.24	0.379	0.09	*NA*	0.1	238	0.1
K518203	0.01	0.06	2.6	*BDL*	*NA*	0.2	80	*BDL*	*NA*	*BDL*	0.03	0.036	*BDL*	*NA*	0.1	74	0.2
K518204	0.1	0.14	36.3	1	*NA*	1.1	117.5	0.23	*NA*	*BDL*	0.45	0.863	0.06	*NA*	0.1	331	0.2
K518205	0.09	0.09	15.1	1	*NA*	0.9	79.1	0.34	*NA*	*BDL*	1.68	0.447	0.04	*NA*	0.4	104	0.3
K518206	0.01	0.05	6.7	1	*NA*	0.8	227	0.62	*NA*	*BDL*	10.6	0.318	0.02	*NA*	2.1	95	0.3
K518207	0	0.09	0.6	*BDL*	*NA*	*BDL*	31.2	*BDL*	*NA*	*BDL*	0.09	0.01	*BDL*	*NA*	*BDL*	7	0.1
K518208	0.04	*BDL*	0.6	*BDL*	*NA*	*BDL*	28.5	*BDL*	*NA*	*BDL*	0.15	0.028	*BDL*	*NA*	*BDL*	5	0.1
K518209	0.11	*BDL*	13.8	1	*NA*	1	297	0.27	*NA*	*BDL*	1.04	0.418	0.13	*NA*	0.3	114	0.1
K518210	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518211	0.01	0.07	7.4	1	*NA*	0.9	145	0.42	*NA*	*BDL*	2.26	0.24	0.18	*NA*	0.6	19	0.2
K518212	0.12	*BDL*	36.9	1	*NA*	1.4	75.4	0.43	*NA*	*BDL*	0.88	1.05	0.06	*NA*	0.2	97	0.4
K518213	0.13	0.35	5.4	*BDL*	*NA*	0.8	68.8	0.06	*NA*	*BDL*	0.12	0.115	0.02	*NA*	0.3	111	0.2
K518214	0.02	0.11	20.2	*BDL*	*NA*	1	842	0.25	*NA*	*BDL*	10.3	0.316	0.13	*NA*	1.9	142	0.2
K518215	0	0.15	0.1	*BDL*	*NA*	*BDL*	5.8	*BDL*	*NA*	*BDL*	0.03	*BDL*	*BDL*	*NA*	*BDL*	2	0.1
K518216	1.78	0.19	10.9	1	*NA*	1	368	0.23	*NA*	0.08	1.5	0.281	*BDL*	*NA*	0.4	97	0.4
K518217	1.21	0.22	3.1	2	*NA*	0.5	228	0.07	*NA*	0.19	0.35	0.091	*BDL*	*NA*	0.1	46	0.4
K518218	0.05	0.24	16.6	1	*NA*	1.3	265	0.56	*NA*	*BDL*	2.87	0.523	0.14	*NA*	0.7	83	0.3
K518219	0.14	0.07	3.2	1	*NA*	0.2	96.7	*BDL*	*NA*	0.05	0.53	0.102	0.05	*NA*	0.2	39	0.1
K518220	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518221	0.02	0.05	46.4	1	*NA*	0.5	193.5	0.12	*NA*	0.05	0.16	0.443	0.08	*NA*	0.1	258	0.1
K518222	0.25	0.05	14.8	1	*NA*	0.8	697	0.32	*NA*	*BDL*	0.8	0.493	0.16	*NA*	0.3	156	0.1
K518223	0.14	0.07	13.4	1	*NA*	0.8	640	0.29	*NA*	*BDL*	1.58	0.362	0.19	*NA*	0.5	110	0.1
K518224	0.04	*BDL*	18.2	*BDL*	*NA*	1	245	0.6	*NA*	*BDL*	1.28	0.618	0.07	*NA*	0.3	155	0.1
K518225	0.01	*BDL*	43.9	*BDL*	*NA*	0.8	189.5	0.1	*NA*	*BDL*	0.17	0.454	0.06	*NA*	0.1	271	0.1
K518226	0.04	*BDL*	13.6	*BDL*	*NA*	1.3	290	0.48	*NA*	*BDL*	1.31	0.316	0.15	*NA*	0.4	105	0.1
K518227	0	*BDL*	39.3	*BDL*	*NA*	0.4	124.5	0.09	*NA*	*BDL*	0.12	0.399	0.03	*NA*	*BDL*	249	*BDL*
K518228	0.02	0.76	38.4	*BDL*	*NA*	0.4	337	0.09	*NA*	*BDL*	0.17	0.394	0.07	*NA*	*BDL*	250	0.1
K518229	0.12	0.14	15	*BDL*	*NA*	1.5	287	0.49	*NA*	*BDL*	1.5	0.389	0.11	*NA*	0.5	132	0.2
K518230	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518231	0.03	0.11	1.2	*BDL*	*NA*	0.4	129	0.1	*NA*	*BDL*	3.58	0.056	0.1	*NA*	0.4	14	0.2
K518232	0.11	0.7	40.4	1	*NA*	1	266	0.31	*NA*	0.07	2.2	0.699	0.75	*NA*	0.5	307	0.3
K518251	0.01	0.06	14.4	*BDL*	*NA*	1.4	333	0.58	*NA*	0.05	1.39	0.555	0.07	*NA*	0.3	114	0.2
K518252	0.04	0.12	41.8	1	*NA*	0.2	235	0.06	*NA*	0.1	0.1	0.356	0.26	*NA*	*BDL*	230	0.1
K518253	0	*BDL*	8.6	1	*NA*	1.3	151.5	0.49	*NA*	*BDL*	2.46	0.246	0.02	*NA*	0.6	63	0.1
K518254	0.06	0.06	9.4	1	*NA*	1	238	0.54	*NA*	*BDL*	1.77	0.349	0.05	*NA*	0.5	74	0.3
K518255	0.55	3.57	1.3	*BDL*	*NA*	0.4	128.5	0.09	*NA*	0.82	10.85	0.04	0.33	*NA*	4.6	23	2.4
K518256	1.11	0.84	4.9	1	*NA*	0.9	225	0.28	*NA*	1.02	15.65	0.147	0.58	*NA*	6.4	89	3.6
K518257	0.71	0.64	8.3	1	*NA*	1.6	338	0.29	*NA*	0.46	13.75	0.18	0.92	*NA*	5.1	83	14.4
K518258	0.23	2.12	14.6	1	*NA*	1.8	517	0.35	*NA*	0.27	10.2	0.413	1.86	*NA*	5.3	187	22.2
K518259	0.36	3.37	18.8	1	*NA*	1.4	288	0.37	*NA*	0.14	10.85	0.387	2.07	*NA*	4.2	146	17.3
K518260	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518261	0.01	1.86	17.8	*BDL*	1.55	2.2	111	0.5	0.29	*BDL*	2.76	0.391	3.18	0.18	1.33	124	9.3
K518262	0.12	3.37	15.2	1	*NA*	1.5	160.5	0.41	*NA*	*BDL*	2.4	0.359	2.28	*NA*	2.1	103	6.4
K518263	0.36	3.91	17.5	2	*NA*	1.5	830	0.11	*NA*	*BDL*	9.55	0.134	1.36	*NA*	2.2	127	12.1
K518264	0.08	3.54	20.1	*BDL*	11.9	2.6	597	0.4	1.07	*BDL*	13.55	0.154	2.24	0.34	1.94	151	66.8
K518265	0.04	4.25	8.4	*BDL*	*NA*	1.1	182	0.29	*NA*	*BDL*	3.35	0.078	0.99	*NA*	1.1	49	14.3
K518266	0.06	1.9	15.5	*BDL*	*NA*	1.6	231	0.26	*NA*	*BDL*	2.36	0.241	1.77	*NA*	1.3	110	1.8
K518267	0.04	0.58	3.8	*BDL*	*NA*	1.1	338	0.24	*NA*	*BDL*	11.15	0.125	0.44	*NA*	3.1	55	2.8
K518268	0.03	1.18	15.6	1	*NA*	1.9	712	0.49	*NA*	*BDL*	2.32	0.462	0.64	*NA*	1	128	2.4

	Assay Results (Combined - 4)																
Sample ID	**S (%)**	**Sb (ppm)**	**Sc (ppm)**	**Se (ppm)**	**Sm (ppm)**	**Sn (ppm)**	**Sr (ppm)**	**Ta (ppm)**	**Tb (ppm)**	**Te (ppm)**	**Th (ppm)**	**Ti (%)**	**Tl (ppm)**	**Tm (ppm)**	**U (ppm)**	**V (ppm)**	**W (ppm)**
K518301	4.11	0.06	35.9	5	*NA*	0.4	465	0.06	*NA*	0.14	0.67	0.213	0.16	*NA*	0.8	169	0.2
K518302	0.08	0.06	45.3	1	*NA*	0.4	290	0.06	*NA*	*BDL*	0.29	0.269	0.21	*NA*	0.1	237	0.2
K518303	0.39	*BDL*	34	1	*NA*	0.3	227	0.05	*NA*	*BDL*	0.1	0.298	0.26	*NA*	0.3	154	0.3
K518304	0.02	*BDL*	7.3	*BDL*	*NA*	0.6	444	0.25	*NA*	*BDL*	8.05	0.262	0.14	*NA*	1.2	62	0.2
K518305	0.03	0.14	41.7	*BDL*	*NA*	0.3	288	0.05	*NA*	*BDL*	0.13	0.316	0.11	*NA*	0.1	244	0.3
K518306	0	0.08	2.7	*BDL*	1.19	0.25	235	0.1	0.1	*BDL*	0.98	0.1	0.5	0.03	0.25	28	1.1
K518307	0.02	*BDL*	3.9	*BDL*	3.74	0.7	806	0.2	0.27	*BDL*	3.5	0.194	0.18	0.07	1.03	38	0.25
K518308	0.05	0.12	29.6	*BDL*	*NA*	0.3	419	*BDL*	*NA*	*BDL*	0.27	0.225	0.12	*NA*	0.3	134	0.2
K518309	0.02	0.05	4.5	*BDL*	*NA*	0.7	241	0.22	*NA*	*BDL*	1.64	0.173	0.29	*NA*	0.5	35	0.4
K518310	0.01	*BDL*	4.8	*BDL*	*NA*	0.5	210	0.12	*NA*	*BDL*	0.84	0.157	0.24	*NA*	0.4	42	0.2
K518311	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518312	0.01	*BDL*	4.3	*BDL*	*NA*	0.5	251	0.22	*NA*	*BDL*	1.28	0.182	0.2	*NA*	0.4	38	0.3
K518313	0.26	0.29	44.7	1	*NA*	0.3	188.5	0.05	*NA*	*BDL*	0.1	0.346	0.07	*NA*	*BDL*	256	0.3
K518314	0.35	*BDL*	41.6	1	*NA*	0.7	195.5	0.17	*NA*	0.05	0.31	0.708	0.04	*NA*	0.1	335	0.4
K518315	0.25	0.33	6.3	1	*NA*	0.8	539	0.1	*NA*	0.06	0.65	0.153	0.26	*NA*	0.4	46	0.4
K518316	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518317	0.03	0.12	16.4	*BDL*	*NA*	0.9	752	0.24	*NA*	*BDL*	4.47	0.382	0.1	*NA*	1.5	119	0.4
K518318	0.07	0.06	2.9	*BDL*	*NA*	0.5	797	0.14	*NA*	*BDL*	2.08	0.171	0.13	*NA*	0.8	31	0.2
K518319	0.28	0.08	3.2	1	*NA*	0.6	462	0.11	*NA*	*BDL*	2.18	0.193	0.15	*NA*	0.7	33	0.2
K518320	0.01	0.07	2	*BDL*	*NA*	0.2	101.5	0.05	*NA*	*BDL*	0.33	0.069	0.13	*NA*	0.1	19	0.3
K518321	0.01	0.06	4.7	*BDL*	*NA*	0.4	124	0.1	*NA*	*BDL*	0.67	0.156	0.33	*NA*	0.1	35	0.2
K518322	0.24	*BDL*	6	1	*NA*	0.6	136.5	0.12	*NA*	*BDL*	0.82	0.195	0.59	*NA*	0.2	50	0.5
K518323	0.3	0.06	2.4	*BDL*	*NA*	0.2	127	0.05	*NA*	*BDL*	0.46	0.074	0.21	*NA*	0.1	21	0.2
K518324	0.82	0.08	43.1	1	*NA*	1.8	113.5	0.15	*NA*	0.07	0.3	0.591	0.09	*NA*	0.1	282	0.1
K518325	0.03	*BDL*	5.2	*BDL*	*NA*	0.2	44	*BDL*	*NA*	*BDL*	0.32	0.117	0.04	*NA*	0.2	30	0.1
K518326	0.09	0.07	38	*BDL*	*NA*	0.7	183	0.18	*NA*	*BDL*	0.5	0.628	0.1	*NA*	0.3	238	0.1
K518327	0.27	0.09	28	1	*NA*	0.5	243	0.13	*NA*	*BDL*	0.25	0.433	0.05	*NA*	0.1	217	0.1
K518328	0.1	0.1	2.6	*BDL*	*NA*	0.2	15.5	*BDL*	*NA*	*BDL*	0.6	0.128	*BDL*	*NA*	0.5	51	0.1
K518329	0.49	0.09	5.6	1	*NA*	0.7	18	0.11	*NA*	*BDL*	0.23	0.315	0.09	*NA*	0.1	71	0.3
K518330	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518331	0.04	0.07	3	*BDL*	*NA*	0.2	34.7	*BDL*	*NA*	*BDL*	0.11	0.105	0.02	*NA*	0.1	41	0.1
K518332	0.33	0.06	48.8	1	*NA*	0.8	150	0.28	*NA*	*BDL*	0.52	0.922	0.05	*NA*	0.1	393	0.2
K518701	0.08	0.07	37.3	*BDL*	*NA*	1.1	215	0.27	*NA*	*BDL*	0.57	0.94	0.05	*NA*	0.2	374	0.5
K518702	0.01	0.09	0.9	*BDL*	*NA*	0.2	18	*BDL*	*NA*	*BDL*	0.03	0.019	*BDL*	*NA*	*BDL*	13	0.1
K518703	0.24	*BDL*	45.6	1	*NA*	0.9	244	0.29	*NA*	0.15	0.57	0.94	0.04	*NA*	0.2	341	0.4
K518704	2.06	1.79	19.5	2	0.69	0.5	1165	*BDL*	0.15	0.41	0.05	0.064	0.83	0.1	0.21	119	9.4
K518705	0.01	0.54	6.5	*BDL*	*NA*	0.4	676	*BDL*	*NA*	*BDL*	2.99	0.057	0.11	*NA*	2.8	94	0.8
K518706	3.32	1.78	8.3	3	2.96	1.6	421	0.2	0.35	0.32	1.8	0.073	0.33	0.16	0.8	67	12
K518707	1.08	1.96	5.1	1	*NA*	0.7	580	0.22	*NA*	0.3	7.78	0.089	0.35	*NA*	2.4	45	5.9
K518708	0.14	1.48	26.1	1	*NA*	1.2	383	0.27	*NA*	0.1	4.35	0.479	1.84	*NA*	1.4	166	1.3
K518709	1.89	0.87	19.6	1	*NA*	1.6	166.5	0.32	*NA*	0.37	5.73	0.486	5.41	*NA*	1.6	157	2.8
K518710	2.4	0.92	11.2	4	*NA*	1.9	120.5	0.13	*NA*	3.91	2.33	0.201	1.38	*NA*	0.6	66	12.4
K518711	0.04	2.94	32.4	*BDL*	*NA*	0.9	2840	0.23	*NA*	0.05	0.96	0.464	0.41	*NA*	0.4	298	0.6
K518712	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518713	0.17	1.03	40.6	*BDL*	*NA*	1.1	288	0.15	*NA*	*BDL*	0.3	0.657	0.76	*NA*	0.1	313	0.7
K518714	7.35	1.08	43.6	27	*NA*	11.6	234	0.16	*NA*	0.98	0.26	0.634	0.31	*NA*	0.1	280	0.8
K518715	0.08	0.61	5.1	*BDL*	*NA*	0.8	267	0.18	*NA*	0.1	10.85	0.103	1.09	*NA*	2.7	56	1.3
K518716	0.57	0.79	13.8	1	*NA*	1.9	465	0.53	*NA*	0.08	16.25	0.463	1.85	*NA*	3.8	104	1
K518717	0.13	0.47	7.3	1	*NA*	1.5	572	0.39	*NA*	*BDL*	7.41	0.221	0.72	*NA*	2.3	62	1.2
K518718	0.16	1.12	36	1	*NA*	1.2	308	0.24	*NA*	0.61	0.43	0.971	0.35	*NA*	0.2	384	1
K518719	1.05	0.89	13.7	1	*NA*	1.2	56.2	0.28	*NA*	0.49	5.37	0.393	5.09	*NA*	1.4	119	13.9
K518720	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518721	0.02	0.24	3.2	*BDL*	*NA*	1.1	303	0.53	*NA*	*BDL*	18.95	0.138	0.61	*NA*	3.5	41	2.5
K518722	2.09	0.32	0.1	2	*NA*	*BDL*	50.9	*BDL*	*NA*	0.57	0.04	*BDL*	0.02	*NA*	0.2	2	0.4
K518724	1.99	0.41	3.1	2	*NA*	0.4	178	*BDL*	*NA*	0.77	0.38	0.042	0.13	*NA*	0.4	41	1.1
K518725	0.16	0.33	4.6	*BDL*	*NA*	0.4	1525	*BDL*	*NA*	*BDL*	0.39	0.045	0.09	*NA*	0.1	63	1.2
K518726	0.05	0.79	16.4	*BDL*	*NA*	1.1	127	0.18	*NA*	*BDL*	6.56	0.205	1.34	*NA*	1.4	113	7.6
K518727	2.06	0.8	19.9	2	*NA*	1.5	349	0.49	*NA*	0.9	1.89	0.444	2.58	*NA*	1.4	102	2.6
K518728	0.51	73.1	21.2	1	*NA*	85.4	432	0.34	*NA*	0.2	5.86	0.425	2.98	*NA*	2.1	138	4.9
K518729	1.94	2.45	17.7	2	*NA*	4.7	147.5	0.28	*NA*	0.77	3.94	0.385	2.99	*NA*	2.1	118	3.3
K518730	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518731	0.08	0.78	5.4	*BDL*	*NA*	0.8	281	0.19	*NA*	*BDL*	14.35	0.099	0.97	*NA*	2	56	4.3
K518732	0.07	0.92	6.4	1	*NA*	1.2	278	0.22	*NA*	0.15	13.65	0.127	1.24	*NA*	7.4	76	4.8
K518732	0.07	0.92	6.4	1	*NA*	1.2	278	0.22	*NA*	0.15	13.65	0.127	1.24	*NA*	7.4	76	4.8
K518733	0	0.48	44.9	*BDL*	*NA*	0.7	431	0.08	*NA*	*BDL*	0.57	0.27	0.05	*NA*	0.6	358	0.9
K518734	0.03	0.55	52.4	*BDL*	*NA*	0.9	159	0.08	*NA*	*BDL*	0.61	0.264	1.64	*NA*	1	506	1.2
K518735	0.01	0.88	26.4	*BDL*	*NA*	1.2	226	0.22	*NA*	*BDL*	5.34	0.303	1.65	*NA*	1.1	234	0.9
K518736	0.11	0.74	5.8	*BDL*	*NA*	0.6	346	0.18	*NA*	*BDL*	10.3	0.092	0.85	*NA*	1.8	31	5.7
K518737	0.01	0.27	3.8	*BDL*	*NA*	0.5	151.5	0.13	*NA*	*BDL*	0.75	0.165	0.31	*NA*	0.3	35	2.1

	Assay Results (Combined - 4)																
Sample ID	**S (%)**	**Sb (ppm)**	**Sc (ppm)**	**Se (ppm)**	**Sm (ppm)**	**Sn (ppm)**	**Sr (ppm)**	**Ta (ppm)**	**Tb (ppm)**	**Te (ppm)**	**Th (ppm)**	**Ti (%)**	**Tl (ppm)**	**Tm (ppm)**	**U (ppm)**	**V (ppm)**	**W (ppm)**
K518738	0.08	0.63	25	1	*NA*	1.6	422	0.33	*NA*	0.11	5.44	0.329	0.76	*NA*	1.8	156	2.1
K518740	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518751	0	0.07	3.5	*BDL*	2.47	0.6	325	0.2	0.16	*BDL*	3.13	0.129	0.25	0.06	1.06	31	0.9
K518752	0.04	0.36	6	*BDL*	10.65	1.6	728	0.6	0.9	*BDL*	25.2	0.199	0.84	0.2	3.22	77	2.3
K518753	0.06	0.5	7.6	1	9.3	1.3	856	0.5	0.74	*BDL*	12.25	0.154	0.91	0.21	2.8	80	3

	Assay Results (Combined - 5)															
Sample ID	Y (ppm)	Yb (ppm)	Zn (ppm)	Zr (ppm)	SiO2 (%)	Al2O3 (%)	Fe2O3 (%)	MgO (%)	MnO (%)	CaO (%)	Na2O (%)	K2O (%)	TiO2 (%)	Cr2O3 (%)	P2O5 (%)	BaO (%)
K518001	22.7	2.5	115	70	50.30	14.15	14.35	6.19	0.22	8.80	3.18	0.30	1.16	0.01	0.08	0.00
K518002	24.1	2.59	107	68	49.90	13.40	14.00	6.46	0.21	10.05	2.27	0.17	1.00	0.04	0.07	0.00
K518003	30.9	3.03	114	125	49.40	13.80	15.30	5.60	0.21	10.45	2.22	0.41	1.44	0.02	0.13	0.01
K518004	4.5	0.46	59	186	70.90	13.75	3.43	1.53	0.04	2.87	4.80	0.65	0.42	0.01	0.16	0.02
K518005	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518006	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518007	21	1.54	29	299	64.40	15.85	5.05	0.35	0.02	0.70	4.11	6.59	0.44	0.01	0.32	0.40
K518008	32.2	2.42	136	371	57.40	17.00	8.38	1.94	0.10	1.40	4.85	5.53	0.79	0.01	0.71	0.29
K518009	24.3	1.84	71	271	64.40	14.75	5.08	1.41	0.11	1.86	4.03	6.19	0.51	0.01	0.39	0.45
K518010	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518011	14.8	1.45	60	302	62.50	14.80	3.87	0.79	0.11	3.35	5.34	4.81	0.37	0.01	0.24	0.20
K518012	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518013	12.3	0.96	63	153	63.90	14.75	4.36	1.02	0.08	2.28	6.11	2.95	0.36	0.01	0.16	0.23
K518031	13.7	*NA*	49	258	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518032	8.2	*NA*	44	134.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518033	15.1	*NA*	104	204	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518034	12.8	*NA*	69	234	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518035	6.2	*NA*	71	127.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518036	8.7	*NA*	55	157.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518037	7.6	*NA*	55	139	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518038	13.3	*NA*	82	186	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518051	7.1	0.52	73	122	66.20	14.90	4.35	3.45	0.06	2.99	5.39	2.23	0.39	0.02	0.20	0.10
K518052	7.8	0.58	70	133	66.80	14.90	4.49	3.31	0.07	2.86	4.90	2.53	0.38	0.02	0.19	0.08
K518057	8.4	*NA*	33	25.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518058	18.8	*NA*	73	58.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518059	3.2	*NA*	22	72.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518060	0.2	*NA*	3	3.3	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518061	29.6	*NA*	114	106	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518062	42.4	*NA*	152	57	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518063	0.5	*NA*	6	1.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518064	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518065	18.6	2.15	100	49	48.20	13.85	14.30	7.73	0.21	9.08	2.38	0.64	0.69	0.02	0.05	0.01
K518066	10.5	1.12	48	270	63.70	15.80	3.90	1.60	0.06	1.72	5.08	4.65	0.30	0.01	0.18	0.13
K518067	15.1	0.94	87	267	58.10	14.30	5.66	4.42	0.09	7.22	4.16	3.22	0.78	0.01	0.40	0.13
K518101	5.3	0.53	70	98	66.60	15.05	3.67	2.16	0.05	2.65	5.02	1.86	0.30	0.01	0.12	0.07
K518102	8.5	0.77	60	130	63.50	15.70	4.58	2.67	0.08	3.70	5.67	0.55	0.49	0.01	0.12	0.01
K518103	11	1.1	74	149	58.60	17.95	7.05	3.41	0.11	7.33	2.99	0.75	0.55	0.01	0.11	0.02
K518104	15.2	1.26	69	163	65.00	14.25	5.51	3.12	0.06	5.59	3.74	0.20	0.85	0.02	0.20	0.01
K518105	18.6	2.17	227	81	46.90	16.10	14.75	8.00	0.24	3.86	3.11	2.10	0.98	0.03	0.10	0.13
K518106	17.8	1.74	70	180	63.80	16.90	3.83	1.90	0.05	2.64	4.65	2.51	0.89	0.01	0.21	0.12
K518153	13.7	*NA*	71	114	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518154	32.4	*NA*	162	56.2	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518155	3.9	*NA*	38	5.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518156	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518157	19.4	*NA*	99	110.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518158	22.7	*NA*	90	85.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518159	14.5	*NA*	63	10.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518160	15.4	*NA*	101	10.7	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518161	18.1	*NA*	79	9.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518162	19.3	*NA*	104	19.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518163	13.5	*NA*	70	72.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518164	15.4	*NA*	46	84.2	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518165	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518166	6.9	*NA*	100	30.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518167	6.7	*NA*	21	16	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518168	1.2	*NA*	15	10.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518169	5.7	*NA*	8	3.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518170	16.4	*NA*	73	151	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518171	3.6	*NA*	48	48	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518172	2.1	*NA*	14	15.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518173	6.7	*NA*	29	23.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518174	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518175	5.8	*NA*	23	11	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518176	14	*NA*	92	63.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518177	18.7	*NA*	102	91.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518178	6.2	*NA*	189	18	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518179	10.8	*NA*	71	8.1	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518180	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518181	21.2	*NA*	73	221	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

	Assay Results (Combined - 5)															
Sample ID	**Y (ppm)**	**Yb (ppm)**	**Zn (ppm)**	**Zr (ppm)**	**SiO2 (%)**	**Al2O3 (%)**	**Fe2O3 (%)**	**MgO (%)**	**MnO (%)**	**CaO (%)**	**Na2O (%)**	**K2O (%)**	**TiO2 (%)**	**Cr2O3 (%)**	**P2O5 (%)**	**BaO (%)**
K518182	18.6	*NA*	97	93.1	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518183	11	*NA*	73	132	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518184	1.2	*NA*	10	7.2	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518185	15	*NA*	67	124.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518186	21.3	*NA*	159	138	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518187	3.9	*NA*	36	60.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518188	2.9	*NA*	28	72	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518189	15.6	*NA*	74	33.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518190	17.8	*NA*	88	40	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518191	21.4	*NA*	200	64.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518192	9.4	*NA*	246	76.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518193	5.2	*NA*	30	114	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518194	5.2	*NA*	67	115.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518195	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518196	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518197	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518198	20.5	*NA*	50	233	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518199	20.8	*NA*	61	250	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518200	11.5	*NA*	45	154	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518201	0.1	*NA*	*BDL*	1.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518202	16	*NA*	101	19.3	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518203	2.1	*NA*	7	3.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518204	30.1	*NA*	145	61	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518205	16.1	*NA*	69	76.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518206	28	*NA*	58	235	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518207	1.1	*NA*	7	2.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518208	0.6	*NA*	3	9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518209	11.6	*NA*	118	122.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518210	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518211	15.6	*NA*	38	143.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518212	56.7	*NA*	195	176	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518213	14.1	*NA*	28	11	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518214	17.9	*NA*	99	131.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518215	0.1	*NA*	*BDL*	0.7	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518216	14.5	*NA*	62	68.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518217	5.2	*NA*	20	18.3	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518218	23.5	*NA*	58	140.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518219	2.9	*NA*	14	4.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518220	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518221	18.8	*NA*	110	20.1	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518222	15.1	*NA*	77	112	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518223	10.8	*NA*	63	75.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518224	15.6	*NA*	119	151	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518225	18.9	*NA*	88	22.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518226	13.3	*NA*	81	124	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518227	15.6	*NA*	92	17	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518228	14.7	*NA*	105	12.7	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518229	15.7	*NA*	62	127.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518230	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518231	1.7	*NA*	7	25	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518232	27.3	*NA*	130	103.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518251	17.2	*NA*	94	154	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518252	9.6	*NA*	64	10.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518253	9.9	*NA*	29	156	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518254	11.9	*NA*	64	150.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518255	4.6	*NA*	38	71.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518256	8.7	*NA*	109	142.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518257	7.9	*NA*	171	192	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518258	14.4	*NA*	87	205	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518259	18.1	*NA*	77	190.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518260	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518261	10.2	1.2	55	161	64.70	17.85	4.42	0.94	0.03	0.35	0.24	7.53	0.69	0.02	0.16	0.16
K518262	8.2	*NA*	63	158.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518263	13.9	*NA*	76	170.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518264	24.9	2.33	74	221	61.60	15.45	8.62	1.22	0.07	1.23	3.60	5.42	0.68	0.02	0.53	0.34
K518265	6.8	*NA*	44	113	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518266	8.8	*NA*	71	158	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518267	9.2	*NA*	41	160	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518268	15	*NA*	120	130	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

	Assay Results (Combined - 5)															
Sample ID	**Y (ppm)**	**Yb (ppm)**	**Zn (ppm)**	**Zr (ppm)**	**SiO2 (%)**	**Al2O3 (%)**	**Fe2O3 (%)**	**MgO (%)**	**MnO (%)**	**CaO (%)**	**Na2O (%)**	**K2O (%)**	**TiO2 (%)**	**Cr2O3 (%)**	**P2O5 (%)**	**BaO (%)**
K518301	10	*NA*	36	35.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518302	14.1	*NA*	76	27.3	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518303	10.5	*NA*	28	20.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518304	8.5	*NA*	54	126.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518305	12.3	*NA*	69	21.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518306	3.1	0.28	60	81	66.90	16.80	2.62	2.38	0.04	2.10	1.37	3.72	0.18	0.00	0.05	0.08
K518307	4.8	0.31	48	111	68.70	15.60	2.68	1.17	0.03	2.44	5.26	1.94	0.33	0.00	0.13	0.09
K518308	8.3	*NA*	41	23.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518309	4.5	*NA*	36	70	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518310	3.8	*NA*	28	59.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518311	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518312	4.2	*NA*	35	68.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518313	12.5	*NA*	49	79.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518314	26.9	*NA*	115	13.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518315	6.2	*NA*	84	90.1	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518316	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518317	15	*NA*	93	154	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518318	3.6	*NA*	39	105	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518319	4.1	*NA*	48	114	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518320	1.8	*NA*	36	26	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518321	2.5	*NA*	37	69.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518322	3.2	*NA*	37	77.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518323	2.2	*NA*	29	31.3	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518324	23.8	*NA*	142	35.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518325	3.3	*NA*	26	11.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518326	21.5	*NA*	128	43.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518327	17.3	*NA*	62	15.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518328	1.5	*NA*	15	7.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518329	3.6	*NA*	20	7.3	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518330	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518331	1.1	*NA*	15	6.8	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518332	37.5	*NA*	136	44.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518701	32.6	*NA*	130	47.1	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518702	1	*NA*	5	1.7	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518703	36.9	*NA*	132	59.2	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518704	5.2	0.66	2030	7	27.40	4.83	8.19	11.15	0.14	16.50	0.03	1.60	0.23	0.22	0.01	0.03
K518705	2.9	*NA*	155	42.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518706	10	1.01	27	97	63.10	12.40	5.73	1.64	0.03	2.81	6.11	0.86	0.33	0.01	0.04	0.03
K518707	19.5	*NA*	12	137.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518708	19.2	*NA*	285	144	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518709	17.9	*NA*	323	157	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518710	15	*NA*	110	63.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518711	27.1	*NA*	101	50	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518712	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518713	23.7	*NA*	104	26.9	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518714	24.7	*NA*	84	22.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518715	10.7	*NA*	91	185.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518716	29.4	*NA*	99	347	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518717	21.2	*NA*	44	173.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518718	34.8	*NA*	32	42.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518719	15.2	*NA*	233	136	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518720	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518721	9	*NA*	38	221	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518722	0.2	*NA*	4	0.7	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518724	3.5	*NA*	42	24.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518725	3.2	*NA*	67	20.7	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518726	11.9	*NA*	62	162.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518727	15.8	*NA*	97	133	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518728	16.6	*NA*	106	146.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518729	18.2	*NA*	65	142	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518730	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518731	13.2	*NA*	25	191	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518732	13.7	*NA*	34	191.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518732	13.7	*NA*	34	191.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518733	19	*NA*	388	60.3	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518734	13.4	*NA*	42	83.6	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518735	10.9	*NA*	78	131.5	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518736	12.2	*NA*	32	147	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518737	3.3	*NA*	50	49.4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

	Assay Results (Combined - 5)															
Sample ID	**Y (ppm)**	**Yb (ppm)**	**Zn (ppm)**	**Zr (ppm)**	**SiO2 (%)**	**Al2O3 (%)**	**Fe2O3 (%)**	**MgO (%)**	**MnO (%)**	**CaO (%)**	**Na2O (%)**	**K2O (%)**	**TiO2 (%)**	**Cr2O3 (%)**	**P2O5 (%)**	**BaO (%)**
K518738	17.3	*NA*	97	185	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518740	*SAC*	*SAC*	*SAC*	*SAC*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
K518751	4.2	0.33	42	103	71.00	14.35	2.38	1.08	0.03	1.23	5.38	2.37	0.20	0.01	0.08	0.05
K518752	17.9	1.26	80	243	59.60	14.55	4.12	1.99	0.08	2.34	5.08	4.57	0.36	0.01	0.24	0.27
K518753	15.8	1.3	121	219	62.20	14.35	4.69	1.36	0.09	2.93	4.85	4.75	0.41	0.01	0.20	0.36

	Assay Results (Combined - 6)				
Sample ID	**SrO (%)**	**S Total (%)**	**C Total (%)**	**LOI (%)**	**Oxide Total (%)**
K518001	0.01	0.12	0.05	1.12	99.87
K518002	0.02	0.08	0.09	1.44	99.03
K518003	0.02	0.10	0.05	1.42	100.43
K518004	0.10	0.02	0.05	1.09	99.77
K518005	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518006	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518007	0.07	0.07	0.09	1.04	99.35
K518008	0.09	0.04	0.27	1.81	100.30
K518009	0.10	0.09	0.62	2.64	101.93
K518010	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518011	0.07	0.06	0.70	2.93	99.39
K518012	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518013	0.09	0.07	0.52	2.28	98.58
K518031	*NA*	*NA*	*NA*	*NA*	*NA*
K518032	*NA*	*NA*	*NA*	*NA*	*NA*
K518033	*NA*	*NA*	*NA*	*NA*	*NA*
K518034	*NA*	*NA*	*NA*	*NA*	*NA*
K518035	*NA*	*NA*	*NA*	*NA*	*NA*
K518036	*NA*	*NA*	*NA*	*NA*	*NA*
K518037	*NA*	*NA*	*NA*	*NA*	*NA*
K518038	*NA*	*NA*	*NA*	*NA*	*NA*
K518051	0.06	0.01	0.09	1.43	101.77
K518052	0.06	0.01	0.04	1.24	101.83
K518057	*NA*	*NA*	*NA*	*NA*	*NA*
K518058	*NA*	*NA*	*NA*	*NA*	*NA*
K518059	*NA*	*NA*	*NA*	*NA*	*NA*
K518060	*NA*	*NA*	*NA*	*NA*	*NA*
K518061	*NA*	*NA*	*NA*	*NA*	*NA*
K518062	*NA*	*NA*	*NA*	*NA*	*NA*
K518063	*NA*	*NA*	*NA*	*NA*	*NA*
K518064	*NA*	*NA*	*NA*	*NA*	*NA*
K518065	0.02	0.08	0.04	0.98	98.16
K518066	0.09	0.01	0.21	0.93	98.15
K518067	0.20	0.01	0.08	0.79	99.48
K518101	0.07	0.00	0.08	1.18	98.81
K518102	0.03	0.02	0.08	1.14	98.25
K518103	0.02	0.11	0.07	1.33	100.23
K518104	0.03	0.01	0.05	0.65	99.23
K518105	0.07	0.06	0.02	3.83	100.20
K518106	0.06	0.01	0.01	1.76	99.33
K518153	*NA*	*NA*	*NA*	*NA*	*NA*
K518154	*NA*	*NA*	*NA*	*NA*	*NA*
K518155	*NA*	*NA*	*NA*	*NA*	*NA*
K518156	*NA*	*NA*	*NA*	*NA*	*NA*
K518157	*NA*	*NA*	*NA*	*NA*	*NA*
K518158	*NA*	*NA*	*NA*	*NA*	*NA*
K518159	*NA*	*NA*	*NA*	*NA*	*NA*
K518160	*NA*	*NA*	*NA*	*NA*	*NA*
K518161	*NA*	*NA*	*NA*	*NA*	*NA*
K518162	*NA*	*NA*	*NA*	*NA*	*NA*
K518163	*NA*	*NA*	*NA*	*NA*	*NA*
K518164	*NA*	*NA*	*NA*	*NA*	*NA*
K518165	*NA*	*NA*	*NA*	*NA*	*NA*
K518166	*NA*	*NA*	*NA*	*NA*	*NA*
K518167	*NA*	*NA*	*NA*	*NA*	*NA*
K518168	*NA*	*NA*	*NA*	*NA*	*NA*
K518169	*NA*	*NA*	*NA*	*NA*	*NA*
K518170	*NA*	*NA*	*NA*	*NA*	*NA*
K518171	*NA*	*NA*	*NA*	*NA*	*NA*
K518172	*NA*	*NA*	*NA*	*NA*	*NA*
K518173	*NA*	*NA*	*NA*	*NA*	*NA*
K518174	*NA*	*NA*	*NA*	*NA*	*NA*
K518175	*NA*	*NA*	*NA*	*NA*	*NA*
K518176	*NA*	*NA*	*NA*	*NA*	*NA*
K518177	*NA*	*NA*	*NA*	*NA*	*NA*
K518178	*NA*	*NA*	*NA*	*NA*	*NA*
K518179	*NA*	*NA*	*NA*	*NA*	*NA*
K518180	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518181	*NA*	*NA*	*NA*	*NA*	*NA*

	Assay Results (Combined - 6)				
Sample ID	**SrO (%)**	**S Total (%)**	**C Total (%)**	**LOI (%)**	**Oxide Total (%)**
K518182	*NA*	*NA*	*NA*	*NA*	*NA*
K518183	*NA*	*NA*	*NA*	*NA*	*NA*
K518184	*NA*	*NA*	*NA*	*NA*	*NA*
K518185	*NA*	*NA*	*NA*	*NA*	*NA*
K518186	*NA*	*NA*	*NA*	*NA*	*NA*
K518187	*NA*	*NA*	*NA*	*NA*	*NA*
K518188	*NA*	*NA*	*NA*	*NA*	*NA*
K518189	*NA*	*NA*	*NA*	*NA*	*NA*
K518190	*NA*	*NA*	*NA*	*NA*	*NA*
K518191	*NA*	*NA*	*NA*	*NA*	*NA*
K518192	*NA*	*NA*	*NA*	*NA*	*NA*
K518193	*NA*	*NA*	*NA*	*NA*	*NA*
K518194	*NA*	*NA*	*NA*	*NA*	*NA*
K518195	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518196	*NA*	*NA*	*NA*	*NA*	*NA*
K518197	*NA*	*NA*	*NA*	*NA*	*NA*
K518198	*NA*	*NA*	*NA*	*NA*	*NA*
K518199	*NA*	*NA*	*NA*	*NA*	*NA*
K518200	*NA*	*NA*	*NA*	*NA*	*NA*
K518201	*NA*	*NA*	*NA*	*NA*	*NA*
K518202	*NA*	*NA*	*NA*	*NA*	*NA*
K518203	*NA*	*NA*	*NA*	*NA*	*NA*
K518204	*NA*	*NA*	*NA*	*NA*	*NA*
K518205	*NA*	*NA*	*NA*	*NA*	*NA*
K518206	*NA*	*NA*	*NA*	*NA*	*NA*
K518207	*NA*	*NA*	*NA*	*NA*	*NA*
K518208	*NA*	*NA*	*NA*	*NA*	*NA*
K518209	*NA*	*NA*	*NA*	*NA*	*NA*
K518210	*NA*	*NA*	*NA*	*NA*	*NA*
K518211	*NA*	*NA*	*NA*	*NA*	*NA*
K518212	*NA*	*NA*	*NA*	*NA*	*NA*
K518213	*NA*	*NA*	*NA*	*NA*	*NA*
K518214	*NA*	*NA*	*NA*	*NA*	*NA*
K518215	*NA*	*NA*	*NA*	*NA*	*NA*
K518216	*NA*	*NA*	*NA*	*NA*	*NA*
K518217	*NA*	*NA*	*NA*	*NA*	*NA*
K518218	*NA*	*NA*	*NA*	*NA*	*NA*
K518219	*NA*	*NA*	*NA*	*NA*	*NA*
K518220	*NA*	*NA*	*NA*	*NA*	*NA*
K518221	*NA*	*NA*	*NA*	*NA*	*NA*
K518222	*NA*	*NA*	*NA*	*NA*	*NA*
K518223	*NA*	*NA*	*NA*	*NA*	*NA*
K518224	*NA*	*NA*	*NA*	*NA*	*NA*
K518225	*NA*	*NA*	*NA*	*NA*	*NA*
K518226	*NA*	*NA*	*NA*	*NA*	*NA*
K518227	*NA*	*NA*	*NA*	*NA*	*NA*
K518228	*NA*	*NA*	*NA*	*NA*	*NA*
K518229	*NA*	*NA*	*NA*	*NA*	*NA*
K518230	*NA*	*NA*	*NA*	*NA*	*NA*
K518231	*NA*	*NA*	*NA*	*NA*	*NA*
K518232	*NA*	*NA*	*NA*	*NA*	*NA*
K518251	*NA*	*NA*	*NA*	*NA*	*NA*
K518252	*NA*	*NA*	*NA*	*NA*	*NA*
K518253	*NA*	*NA*	*NA*	*NA*	*NA*
K518254	*NA*	*NA*	*NA*	*NA*	*NA*
K518255	*NA*	*NA*	*NA*	*NA*	*NA*
K518256	*NA*	*NA*	*NA*	*NA*	*NA*
K518257	*NA*	*NA*	*NA*	*NA*	*NA*
K518258	*NA*	*NA*	*NA*	*NA*	*NA*
K518259	*NA*	*NA*	*NA*	*NA*	*NA*
K518260	*NA*	*NA*	*NA*	*NA*	*NA*
K518261	0.02	0.01	0.11	2.89	100.00
K518262	*NA*	*NA*	*NA*	*NA*	*NA*
K518263	*NA*	*NA*	*NA*	*NA*	*NA*
K518264	0.07	0.08	0.24	1.78	100.63
K518265	*NA*	*NA*	*NA*	*NA*	*NA*
K518266	*NA*	*NA*	*NA*	*NA*	*NA*
K518267	*NA*	*NA*	*NA*	*NA*	*NA*
K518268	*NA*	*NA*	*NA*	*NA*	*NA*

	Assay Results (Combined - 6)				
Sample ID	**SrO (%)**	**S Total (%)**	**C Total (%)**	**LOI (%)**	**Oxide Total (%)**
K518301	*NA*	*NA*	*NA*	*NA*	*NA*
K518302	*NA*	*NA*	*NA*	*NA*	*NA*
K518303	*NA*	*NA*	*NA*	*NA*	*NA*
K518304	*NA*	*NA*	*NA*	*NA*	*NA*
K518305	*NA*	*NA*	*NA*	*NA*	*NA*
K518306	0.03	0.01	0.04	2.52	98.79
K518307	0.09	0.02	0.17	1.62	100.08
K518308	*NA*	*NA*	*NA*	*NA*	*NA*
K518309	*NA*	*NA*	*NA*	*NA*	*NA*
K518310	*NA*	*NA*	*NA*	*NA*	*NA*
K518311	*SAC*	*SAC*	*SAC*	*SAC*	*SAC*
K518312	*NA*	*NA*	*NA*	*NA*	*NA*
K518313	*NA*	*NA*	*NA*	*NA*	*NA*
K518314	*NA*	*NA*	*NA*	*NA*	*NA*
K518315	*NA*	*NA*	*NA*	*NA*	*NA*
K518316	*NA*	*NA*	*NA*	*NA*	*NA*
K518317	*NA*	*NA*	*NA*	*NA*	*NA*
K518318	*NA*	*NA*	*NA*	*NA*	*NA*
K518319	*NA*	*NA*	*NA*	*NA*	*NA*
K518320	*NA*	*NA*	*NA*	*NA*	*NA*
K518321	*NA*	*NA*	*NA*	*NA*	*NA*
K518322	*NA*	*NA*	*NA*	*NA*	*NA*
K518323	*NA*	*NA*	*NA*	*NA*	*NA*
K518324	*NA*	*NA*	*NA*	*NA*	*NA*
K518325	*NA*	*NA*	*NA*	*NA*	*NA*
K518326	*NA*	*NA*	*NA*	*NA*	*NA*
K518327	*NA*	*NA*	*NA*	*NA*	*NA*
K518328	*NA*	*NA*	*NA*	*NA*	*NA*
K518329	*NA*	*NA*	*NA*	*NA*	*NA*
K518330	*NA*	*NA*	*NA*	*NA*	*NA*
K518331	*NA*	*NA*	*NA*	*NA*	*NA*
K518332	*NA*	*NA*	*NA*	*NA*	*NA*
K518701	*NA*	*NA*	*NA*	*NA*	*NA*
K518702	*NA*	*NA*	*NA*	*NA*	*NA*
K518703	*NA*	*NA*	*NA*	*NA*	*NA*
K518704	0.13	2.06	7.09	21.80	92.26
K518705	*NA*	*NA*	*NA*	*NA*	*NA*
K518706	0.05	3.54	1.19	6.50	99.64
K518707	*NA*	*NA*	*NA*	*NA*	*NA*
K518708	*NA*	*NA*	*NA*	*NA*	*NA*
K518709	*NA*	*NA*	*NA*	*NA*	*NA*
K518710	*NA*	*NA*	*NA*	*NA*	*NA*
K518711	*NA*	*NA*	*NA*	*NA*	*NA*
K518712	*NA*	*NA*	*NA*	*NA*	*NA*
K518713	*NA*	*NA*	*NA*	*NA*	*NA*
K518714	*NA*	*NA*	*NA*	*NA*	*NA*
K518715	*NA*	*NA*	*NA*	*NA*	*NA*
K518716	*NA*	*NA*	*NA*	*NA*	*NA*
K518717	*NA*	*NA*	*NA*	*NA*	*NA*
K518718	*NA*	*NA*	*NA*	*NA*	*NA*
K518719	*NA*	*NA*	*NA*	*NA*	*NA*
K518720	*NA*	*NA*	*NA*	*NA*	*NA*
K518721	*NA*	*NA*	*NA*	*NA*	*NA*
K518722	*NA*	*NA*	*NA*	*NA*	*NA*
K518724	*NA*	*NA*	*NA*	*NA*	*NA*
K518725	*NA*	*NA*	*NA*	*NA*	*NA*
K518726	*NA*	*NA*	*NA*	*NA*	*NA*
K518727	*NA*	*NA*	*NA*	*NA*	*NA*
K518728	*NA*	*NA*	*NA*	*NA*	*NA*
K518729	*NA*	*NA*	*NA*	*NA*	*NA*
K518730	*NA*	*NA*	*NA*	*NA*	*NA*
K518731	*NA*	*NA*	*NA*	*NA*	*NA*
K518732	*NA*	*NA*	*NA*	*NA*	*NA*
K518732	*NA*	*NA*	*NA*	*NA*	*NA*
K518733	*NA*	*NA*	*NA*	*NA*	*NA*
K518734	*NA*	*NA*	*NA*	*NA*	*NA*
K518735	*NA*	*NA*	*NA*	*NA*	*NA*
K518736	*NA*	*NA*	*NA*	*NA*	*NA*
K518737	*NA*	*NA*	*NA*	*NA*	*NA*

	Assay Results (Combined - 6)				
Sample ID	**SrO (%)**	**S Total (%)**	**C Total (%)**	**LOI (%)**	**Oxide Total (%)**
K518738	*NA*	*NA*	*NA*	*NA*	*NA*
K518740	*NA*	*NA*	*NA*	*NA*	*NA*
K518751	0.04	0.01	0.13	0.83	99.03
K518752	0.08	0.04	0.37	1.95	95.24
K518753	0.10	0.05	0.54	2.38	98.68

Appendix D - Mapping Stations, Sample Descriptions, Compiled Assays (Till)

Appendix D. - Station Details									Associated Claims Details	
Station ID	Geologist	UTM Easting (m)	UTM Northing (m)	UTM Grid	Data Entry Date (MM/DD/YYYY)	Sampled?	Sample ID	Station Type	Claim Tenure Number	Claim Holder
NOR24T-060	Jaeden Reggler	535133.3198	5318422.974	NAD83 Zone 17N	5/15/2024	Yes	K518501	Pit	293729	(100) Barrick Gold Inc.
NOR24T-061	Jaeden Reggler	535482.3198	5318445.974	NAD83 Zone 17N	5/15/2024	Yes	K518502	Pit	125857	(100) Barrick Gold Inc.
NOR24T-108	Jaeden Reggler	534311.32	5318471.974	NAD83 Zone 17N	5/15/2024	Yes	K518503	Pit	203298	(100) Barrick Gold Inc.
NOR24T-109	Emma Roberts	534577.3199	5318450.974	NAD83 Zone 17N	5/15/2024	Yes	K518504	Pit	302815	(100) Barrick Gold Inc.
NOR24T-110	Emma Roberts	534893.3199	5318540.974	NAD83 Zone 17N	5/15/2024	Yes	K518505	Pit	302815	(100) Barrick Gold Inc.
NOR24T-077	Emma Roberts	536405.3196	5317290.975	NAD83 Zone 17N	5/16/2024	Yes	K518506	Pit	222897	(100) Barrick Gold Inc.
NOR24T-076	Emma Roberts	536102.3196	5317244.974	NAD83 Zone 17N	5/16/2024	Yes	K518507	Pit	189115	(100) Barrick Gold Inc.
NOR24T-075	Daniela Garcia Ramos	535829.3197	5317232.974	NAD83 Zone 17N	5/16/2024	Yes	K518508	Pit	231024	(100) Barrick Gold Inc.
NOR24T-101	Jacob VanderWal	534949.3198	5316071.975	NAD83 Zone 17N	5/18/2024	Yes	K518509	Pit	288286	(100) Barrick Gold Inc.
NOR24T-018	Liz Stock	535225.3198	5316026.975	NAD83 Zone 17N	5/18/2024	Yes	K518511	Pit	276227	(100) Barrick Gold Inc.
NOR24T-019	Jacob VanderWal	535498.3197	5316005.975	NAD83 Zone 17N	5/18/2024	Yes	K518513	Pit	237594	(100) Barrick Gold Inc.
NOR24T-020	Jacob VanderWal	535883.3196	5316045.975	NAD83 Zone 17N	5/18/2024	Yes	K518517	Pit	237594	(100) Barrick Gold Inc.
NOR24T-021	Jacob VanderWal	536174.3196	5316022.975	NAD83 Zone 17N	5/18/2024	Yes	K518519	Pit	272328	(100) Barrick Gold Inc.
NOR24T-022	Jacob VanderWal	536382.3196	5316027.975	NAD83 Zone 17N	5/18/2024	Yes	K518521	Pit	320944	(100) Barrick Gold Inc.
NOR24T-098	Joesph Vrzovski	534045.3199	5316097.975	NAD83 Zone 17N	5/19/2024	Yes	K518523	Pit	545898	(100) Barrick Gold Inc.
NOR24T-097	Joesph Vrzovski	533798.3199	5316049.975	NAD83 Zone 17N	5/19/2024	Yes	K518524	Pit	545892	(100) Barrick Gold Inc.
NOR24T-001	Jaeden Reggler	536734.3196	5317306.974	NAD83 Zone 17N	5/20/2024	Yes	K518525	Pit	222897	(100) Barrick Gold Inc.
NOR24T-005	Emma Roberts	537067.3195	5317298.975	NAD83 Zone 17N	5/20/2024	Yes	K518526	Pit	265666	(100) Barrick Gold Inc.
NOR24T-007	Emma Roberts	537619.3194	5317257.974	NAD83 Zone 17N	5/20/2024	Yes	K518527	Pit	188930	(100) Barrick Gold Inc.
NOR24T-008	Emma Roberts	537851.3194	5317262.974	NAD83 Zone 17N	5/20/2024	Yes	K518528	Pit	241845	(100) Barrick Gold Inc.
NORT24T-011	Daniela Garcia Ramos	536542.3196	5316614.975	NAD83 Zone 17N	5/22/2024	Yes	K518529	Pit	313442	(100) Barrick Gold Inc.
NOR24T-012	Brian Hua	536865.3195	5316686.975	NAD83 Zone 17N	5/22/2024	Yes	K518530	Pit	261767	(100) Barrick Gold Inc.
NOR24T-013	Brian Hua	537138.3195	5316606.975	NAD83 Zone 17N	5/22/2024	Yes	K518531	Pit	261767	(100) Barrick Gold Inc.
NOR24T-068	Jaeden Reggler	536050.3197	5317903.974	NAD83 Zone 17N	5/25/2024	Yes	K518532	Pit	308152	(100) Barrick Gold Inc.
NOR24T-069	Emma Roberts	536277.3197	5317816.974	NAD83 Zone 17N	5/25/2024	Yes	K518533	Pit	308152	(100) Barrick Gold Inc.
Till_5	Jacob VanderWal	535383.3197	5315162.975	NAD83 Zone 17N	8/23/2024	Yes	K518536	Pit	189057	(100) Barrick Gold Inc.
Till_7	Jacob VanderWal	536500.3196	5315741.975	NAD83 Zone 17N	8/23/2024	Yes	K518537	Pit	168932	(100) Barrick Gold Inc.
Till_11	Jacob VanderWal	537735.3194	5316924.975	NAD83 Zone 17N	8/23/2024	Yes	K518538	Pit	188930	(100) Barrick Gold Inc.
Till_12	Jacob VanderWal	537617.3194	5316282.975	NAD83 Zone 17N	8/24/2024	Yes	K518539	Pit	178757	(100) Barrick Gold Inc.
Till_14	Jacob VanderWal	537717.3194	5316048.975	NAD83 Zone 17N	8/24/2024	Yes	K518541	Pit	178757	(100) Barrick Gold Inc.
Till_22	Joseph Vrzovski	536487.3196	5317698.974	NAD83 Zone 17N	8/26/2024	Yes	K518542	Pit	344734	(100) Barrick Gold Inc.
Till_23	Joseph Vrzovski	536731.3196	5317837.974	NAD83 Zone 17N	8/26/2024	Yes	K518543	Pit	227808	(100) Barrick Gold Inc.
Till_24	Joseph Vrzovski	536172.3197	5317472.974	NAD83 Zone 17N	8/26/2024	Yes	K518544	Pit	118193	(100) Barrick Gold Inc.
Till_25	Joseph Vrzovski	535873.3197	5317487.974	NAD83 Zone 17N	8/26/2024	Yes	K518545	Pit	160987	(100) Barrick Gold Inc.
Till_26	Joseph Vrzovski	535686.3196	5314860.975	NAD83 Zone 17N	8/26/2024	Yes	K518546	Pit	256714	(100) Barrick Gold Inc.
Till_27	Joseph Vrzovski	535904.3196	5314701.975	NAD83 Zone 17N	8/26/2024	Yes	K518547	Pit	256714	(100) Barrick Gold Inc.
NOR24T-066	Daniela Garcia Ramos	535386.3198	5317844.974	NAD83 Zone 17N	5/15/2024	Yes	K518551	Pit	274327	(100) Barrick Gold Inc.
NOR24T-067	Brian Hua	535668.3198	5317871.974	NAD83 Zone 17N	5/15/2024	Yes	K518552	Pit	274326	(100) Barrick Gold Inc.
NOR24T-063	Daniela Garcia Ramos	534163.3199	5317852.974	NAD83 Zone 17N	5/15/2024	Yes	K518553	Pit	158678	(100) Barrick Gold Inc.
NOR24T-064	Daniela Garcia Ramos	534473.3199	5317835.974	NAD83 Zone 17N	5/15/2024	Yes	K518554	Pit	158678	(100) Barrick Gold Inc.
NOR24T-065	Daniela Garcia Ramos	534723.3199	5317856.974	NAD83 Zone 17N	5/15/2024	Yes	K518559	Pit	117399	(100) Barrick Gold Inc.
NOR24T-110	Jacob VanderWal	534351.3199	5317269.975	NAD83 Zone 17N	5/16/2024	Yes	K518560	Pit	890108	(100) Barrick Gold Inc.
NOR24T-111	Jacob VanderWal	534077.32	5317235.975	NAD83 Zone 17N	5/16/2024	Yes	K518561	Pit	890108	(100) Barrick Gold Inc.
NOR24T-112	Jacob VanderWal	533678.32	5317267.975	NAD83 Zone 17N	5/16/2024	Yes	K518562	Pit	890109	(100) Barrick Gold Inc.
NOR24T-113	Jacob VanderWal	534976.3199	5318000.974	NAD83 Zone 17N	5/16/2024	Yes	K518563	Pit	274327	(100) Barrick Gold Inc.
NOR24T-071	Jacob VanderWal	534620.3199	5317251.975	NAD83 Zone 17N	5/16/2024	Yes	K518566	Pit	103318	(100) Barrick Gold Inc.
NOR24T-072	Jacob VanderWal	534944.3198	5317367.974	NAD83 Zone 17N	5/16/2024	Yes	K518567	Pit	275623	(100) Barrick Gold Inc.
NOR24T-073	Jacob VanderWal	535228.3198	5317247.974	NAD83 Zone 17N	5/16/2024	Yes	K518568	Pit	287728	(100) Barrick Gold Inc.
NOR24T-074	Emma Roberts	535492.3198	5317251.974	NAD83 Zone 17N	5/16/2024	Yes	K518569	Pit	231024	(100) Barrick Gold Inc.
NOR24T-090	Joesph Vrzovski	535659.3197	5316971.975	NAD83 Zone 17N	5/18/2024	Yes	K518570	Pit	231024	(100) Barrick Gold Inc.
NOR24T-089	Jade Minty	535402.3197	5316644.975	NAD83 Zone 17N	5/18/2024	Yes	K518571	Pit	291540	(100) Barrick Gold Inc.
NOR24T-088	Joesph Vrzovski	535068.3198	5316696.975	NAD83 Zone 17N	5/18/2024	Yes	K518572	Pit	291540	(100) Barrick Gold Inc.

Appendix D. - Station Details									Associated Claims Details	
Station ID	Geologist	UTM Easting (m)	UTM Northing (m)	UTM Grid	Data Entry Date (MM/DD/YYYY)	Sampled?	Sample ID	Station Type	Claim Tenure Number	Claim Holder
NOR24T-100	Joesph Vrzovski	534669.3198	5316048.975	NAD83 Zone 17N	5/18/2024	Yes	K518573	Pit	288286	(100) Barrick Gold Inc.
NOR24T-099	Jade Minty	534386.3199	5316044.975	NAD83 Zone 17N	5/18/2024	Yes	K518574	Pit	545898	(100) Barrick Gold Inc.
NOR24T-087	Joesph Vrzovski	534826.3198	5316618.975	NAD83 Zone 17N	5/18/2024	Yes	K518575	Pit	136937	(100) Barrick Gold Inc.
NOR24T-0289	Jacob VanderWal	534822.3198	5315366.975	NAD83 Zone 17N	5/20/2024	Yes	K518576	Pit	306406	(100) Barrick Gold Inc.
NOR24T-029	Jacob VanderWal	535090.3198	5315448.975	NAD83 Zone 17N	5/20/2024	Yes	K518577	Pit	189057	(100) Barrick Gold Inc.
NOR24T-030	Jacob VanderWal	535430.3197	5315467.975	NAD83 Zone 17N	5/20/2024	Yes	K518578	Pit	189057	(100) Barrick Gold Inc.
NOR24T-031	Joesph Vrzovski	535653.3197	5315466.975	NAD83 Zone 17N	5/20/2024	Yes	K518579	Pit	180071	(100) Barrick Gold Inc.
NOR24T-037	Jacob VanderWal	534890.3198	5314891.975	NAD83 Zone 17N	5/20/2024	Yes	K518580	Pit	210484	(100) Barrick Gold Inc.
NOR24T-038	Jacob VanderWal	535196.3197	5314904.975	NAD83 Zone 17N	5/20/2024	Yes	K518581	Pit	259220	(100) Barrick Gold Inc.
NOR24T-032	Jacob VanderWal	536069.3196	5315564.975	NAD83 Zone 17N	5/20/2024	Yes	K518582	Pit	217127	(100) Barrick Gold Inc.
NOR24T-086	Emma Roberts	534477.3199	5316662.975	NAD83 Zone 17N	5/18/2024	Yes	K518601	Pit	545893	(100) Barrick Gold Inc.
NOR24T-085	Emma Roberts	534201.3199	5316652.975	NAD83 Zone 17N	5/18/2024	Yes	K518602	Pit	545893	(100) Barrick Gold Inc.
NOR24T-084	Emma Roberts	533875.32	5316637.975	NAD83 Zone 17N	5/18/2024	Yes	K518603	Pit	545897	(100) Barrick Gold Inc.
NOR24T-082	Emma Roberts	533292.3201	5316666.975	NAD83 Zone 17N	5/18/2024	Yes	K518604	Pit	545888	(100) Barrick Gold Inc.
NOR24T-083	Emma Roberts	533589.32	5316641.975	NAD83 Zone 17N	5/18/2024	Yes	K518605	Pit	545897	(100) Barrick Gold Inc.
NOR24T-096	Jacob VanderWal	533425.3201	5316091.975	NAD83 Zone 17N	5/19/2024	Yes	K518606	Pit	545896	(100) Barrick Gold Inc.
NOR24T-095	Jacob VanderWal	533068.3201	5316097.975	NAD83 Zone 17N	5/19/2024	Yes	K518607	Pit	545906	(100) Barrick Gold Inc.
NOR24T-002	Liz Stock	538150.3194	5317714.974	NAD83 Zone 17N	5/20/2024	Yes	K518608	Pit	109441	(100) Barrick Gold Inc.
NOR24T-033	Emma Roberts	536243.3196	5315453.975	NAD83 Zone 17N	5/22/2024	Yes	K518611	Pit	245225	(100) Barrick Gold Inc.
NOR24T-023	Emma Roberts	536983.3195	5316340.975	NAD83 Zone 17N	5/22/2024	Yes	K518612	Pit	185970	(100) Barrick Gold Inc.
NOR24T-024	Emma Roberts	537455.2107	5316518.613	NAD83 Zone 17N	5/22/2024	Yes	K518613	Pit		(100) Barrick Gold Inc.
Till_1	Jacob VanderWal	535396.3198	5318150.974	NAD83 Zone 17N	8/23/2024	Yes	K518617	Pit	274327	(100) Barrick Gold Inc.
Till_2	Jacob VanderWal	535159.3198	5318050.974	NAD83 Zone 17N	8/23/2024	Yes	K518618	Pit	274327	(100) Barrick Gold Inc.
Till_3	Jacob VanderWal	534921.3199	5318792.974	NAD83 Zone 17N	8/23/2024	Yes	K518619	Pit	199010	(100) Barrick Gold Inc.
Till_4	Jacob VanderWal	535154.3198	5318775.974	NAD83 Zone 17N	8/23/2024	Yes	K518620	Pit	186800	(100) Barrick Gold Inc.
Till_6	Jacob VanderWal	535970.3196	5315243.975	NAD83 Zone 17N	8/23/2024	Yes	K518621	Pit	155130	(100) John Peter Rapski
Till_8	Jacob VanderWal	536975.3195	5316096.975	NAD83 Zone 17N	8/23/2024	Yes	K518622	Pit	185970	(100) Barrick Gold Inc.
Till_9	Jacob VanderWal	536692.3195	5316086.975	NAD83 Zone 17N	8/23/2024	Yes	K518623	Pit	320944	(100) Barrick Gold Inc.
Till_10	Jacob VanderWal	537350.3194	5316330.975	NAD83 Zone 17N	8/23/2024	Yes	K518624	Pit	315419	(100) Barrick Gold Inc.
Till_13	Jacob VanderWal	537916.3193	5316286.975	NAD83 Zone 17N	8/24/2024	Yes	K518625	Pit	340308	(100) John Peter Rapski
Till_15	Jacob VanderWal	537680.3194	5315885.975	NAD83 Zone 17N	8/24/2024	Yes	K518627	Pit	252838	(100) John Peter Rapski
Till_16	Jacob VanderWal	537404.3194	5315714.975	NAD83 Zone 17N	8/24/2024	Yes	K518628	Pit	252838	(100) John Peter Rapski
Till_17	Jacob VanderWal	537158.3194	5315588.975	NAD83 Zone 17N	8/24/2024	Yes	K518629	Pit	318733	(100) John Peter Rapski
Till_18	Jacob VanderWal	536920.3195	5315387.975	NAD83 Zone 17N	8/24/2024	Yes	K518631	Pit	252839	(100) John Peter Rapski
Till_19	Jacob VanderWal	536693.3196	5315259.975	NAD83 Zone 17N	8/24/2024	Yes	K518632	Pit	294502	(100) John Peter Rapski
Till_20	Jacob VanderWal	536472.3196	5315050.975	NAD83 Zone 17N	8/24/2024	Yes	K518633	Pit	294502	(100) John Peter Rapski
Till_21	Jacob VanderWal	536205.3196	5315058.975	NAD83 Zone 17N	8/24/2024	Yes	K518634	Pit	155130	(100) John Peter Rapski
Till_28	Jacob VanderWal	536296.3196	5316782.975	NAD83 Zone 17N	8/28/2024	Yes	K518635	Pit	PAT-52247	Mining land owned by Barrick Gold
Till_29	Jacob VanderWal	536640.3196	5316829.975	NAD83 Zone 17N	8/28/2024	Yes	K518636	Pit	313442	(100) Barrick Gold Inc.
Till_30	Jacob VanderWal	536425.3196	5316945.975	NAD83 Zone 17N	8/28/2024	Yes	K518637	Pit	222897	(100) Barrick Gold Inc.
Till_31	Jacob VanderWal	536201.3196	5316999.975	NAD83 Zone 17N	8/28/2024	Yes	K518638	Pit	189115	(100) Barrick Gold Inc.
Till_32	Jacob VanderWal	535954.3197	5316916.975	NAD83 Zone 17N	8/28/2024	Yes	K518639	Pit	189115	(100) Barrick Gold Inc.
Till_33	Jacob VanderWal	535856.3197	5316676.975	NAD83 Zone 17N	8/28/2024	Yes	K518641	Pit	PAT-52248	Mining land owned by Barrick Gold
Till_34	Jacob VanderWal	535640.3197	5316674.975	NAD83 Zone 17N	8/28/2024	Yes	K518642	Pit	PAT-52248	Mining land owned by Barrick Gold
Till_35	Jacob VanderWal	535893.3196	5316340.975	NAD83 Zone 17N	8/28/2024	Yes	K518643	Pit	PAT-52245	Mining land owned by Barrick Gold
Till_36	Jacob VanderWal	536162.3196	5316388.975	NAD83 Zone 17N	8/28/2024	Yes	K518644	Pit	PAT52246	Mining land owned by Barrick Gold
Till_36	Jacob VanderWal	536159.3196	5316386.975	NAD83 Zone 17N	8/28/2024	Yes	K518645	Pit	272328	(100) Barrick Gold Inc.

	Station Description (1)										
Station ID	**Sample Type**	**Sample Depth *(cm)***	**End of Hole Justification**	**Hole Depth *(cm)***	**Terrain Description**	**Sample Confidence**	**Sample Quality**	**Contamination Potential**	**Sampled Horizon**	**Potential Washing**	**Sample Moisture**
NOR24T-060	Till	67	Bedrock	88	Sloped-Moderate	High	Good Quality	Low	Oxidized	Un-Washed	Damp
NOR24T-061	Till	35	Sediment	58	Flat	High	Great Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-108	Till	25	Auger refusal	45	Flat	High	Good Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-109	Till	35	Auger refusal	58	Sloped-Shallow	High	Fair Quality	Moderate	Oxidized	Un-Washed	Wet
NOR24T-110	Till	36	Sediment	53	Flat	High	Great Quality	Low	C-Horizon	Partial Wash	Dry
NOR24T-077	Till	48	Sediment	75	Flat	High	Great Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-076	Till	45	Sediment	70	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-075	Till	34	Auger refusal	63	Sloped-Moderate	High	Great Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-101	Till	30	Bedrock	55	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Wet
NOR24T-018	Till	10	Sediment	25	Lowland	High	Good Quality	Low	C-Horizon	Un-Washed	Wet
NOR24T-019	Till	50	Sediment	75	Flat	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-020	Till	15	Auger refusal	40	Sloped-Shallow	Medium	Fair Quality	Low	C-Horizon	Partial Wash	Damp
NOR24T-021	Till	40	Auger refusal	60	Flat	Medium	Good Quality	Low	Oxidized	Un-Washed	Wet
NOR24T-022	Till	50	Bedrock	75	Sloped-Shallow	High	Good Quality	Low	C-Horizon	Un-Washed	Wet
NOR24T-098	Till	20	Sediment	50	Sloped-Shallow	High	Fair Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-097	Till	25	Sediment	55	Sloped-Shallow	High	Fair Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-001	Till	35	Sediment	55	Sloped-Moderate	High	Good Quality	Low	C-Horizon	Partial Wash	Damp
NOR24T-005	Till	25	Auger refusal	40	Sloped-Moderate	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-007	Till	40	Sediment	55	Sloped-Shallow	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-008	Till	65	Bedrock	35	Ridge	High	Great Quality	Very Low	C-Horizon	Un-Washed	Wet
NORT24T-011	Till	30	Auger refusal	60	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Partial Wash	Dry
NOR24T-012	Till	42	Sediment	67	Sloped-Moderate	High	Great Quality	Very Low	C-Horizon	Partial Wash	Damp
NOR24T-013	Till	30	Sediment	60	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Washed	Dry
NOR24T-068	Till	50	Sediment	70	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Partial Wash	Damp
NOR24T-069	Till	45	Sediment	60	Flat	High	Good Quality	Moderate	C-Horizon	Un-Washed	Damp
Till_5	Till	40	Auger refusal	50	Sloped-Moderate	High	Good	Very Low	C-Horizon	Un-Washed	Dry
Till_7	Till	45	Bedrock	55	Flat	High	Good	Low	C-Horizon	Un-Washed	Damp
Till_11	Till	40	Auger refusal	50	Sloped-Shallow	High	Good	Very Low	C-Horizon	Uncertain	Dry
Till_12	Till	30	Sediment	40	Flat	High	Good	Low	C-Horizon	Un-Washed	Dry
Till_14	Till	45	Sediment	55	Flat	High	Good	Very Low	Oxidized	Un-Washed	Damp
Till_22	Till	30	Sediment	55	Sloped-Steep	High	Good	Low	C-Horizon	Un-Washed	Dry
Till_23	Till	30	Sediment	60	Sloped-Moderate	High	Good	Low	C-Horizon	Partial Wash	Dry
Till_24	Till	25	Sediment	50	Flat	High	Good	Low	C-Horizon	Partial Wash	Dry
Till_25	Till	30	Sediment	50	Sloped-Shallow	High	Good	Low	C-Horizon	Un-Washed	Dry
Till_26	Till	15	Sediment	45	Sloped-Shallow	High	Great	Low	C-Horizon	Un-Washed	Dry
Till_27	Till	10	Sediment	30	Sloped-Moderate	Medium	Fair	Low	C-Horizon	Un-Washed	Dry
NOR24T-066	Till	10	Sediment	50	Sloped-Shallow	High	Good Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-067	Till	15	Auger refusal	40	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-063	Till	50	Bedrock	70	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-064	Till	45			Flat	High	Great Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-065	Till	50	Sediment	70	Flat	Medium	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-110	Till	40	Sediment	60	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Wet
NOR24T-111	Till	40	Sediment	60	Sloped-Shallow	High	Great Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-112	Till	40	Sediment	60	Lowland	High	Good Quality	Very Low	C-Horizon	Un-Washed	Wet
NOR24T-113	Till	40	Sediment	55	Lowland	Medium	Good Quality	Low	C-Horizon	Partial Wash	Damp
NOR24T-071	Till	30	Auger refusal	45	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-072	Till	40	Auger refusal	55	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-073	Till	35	Auger refusal	50	Flat	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-074	Till	42	Sediment	57	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Partial Wash	Damp
NOR24T-090	Till	18	Sediment	50	Sloped-Moderate	High	Good Quality	Very Low	Oxidized	Partial Wash	Damp
NOR24T-089	Till	30	Sediment	55	Sloped-Shallow	High	Good Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-088	Till	30	Sediment	60	Flat	High	Good Quality	Low	C-Horizon	Partial Wash	Damp

	Station Description (1)										
Station ID	**Sample Type**	**Sample Depth *(cm)***	**End of Hole Justification**	**Hole Depth *(cm)***	**Terrain Description**	**Sample Confidence**	**Sample Quality**	**Contamination Potential**	**Sampled Horizon**	**Potential Washing**	**Sample Moisture**
NOR24T-100	Till	30	Sediment	55	Flat	High	Good Quality	Very Low	C-Horizon	Partial Wash	Damp
NOR24T-099	Till	30	Sediment	55	Flat	High	Fair Quality	Low	C-Horizon	Un-Washed	Damp
NOR24T-087	Till	33	Sediment	68	Flat	High	Good Quality	Low	C-Horizon	Partial Wash	Damp
NOR24T-0289	Till	50	Sediment	60	Flat	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-029	Till	35	Sediment	45	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-030	Till	40	Auger refusal	50	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-031	Till	30	Bedrock	55	Sloped-Moderate	Medium	Fair Quality	Low	Oxidized	Partial Wash	Dry
NOR24T-037	Till	25	Sediment	50	Sloped-Shallow	High	Good Quality	Low	C-Horizon	Partial Wash	Damp
NOR24T-038	Till	25	Sediment	50	Sloped-Shallow	High	Good Quality	Low	C-Horizon	Partial Wash	Dry
NOR24T-032	Till	35	Sediment	65	Sloped-Shallow	High	Great Quality	Low	C-Horizon	Partial Wash	Dry
NOR24T-086	Till	50	Sediment	70	Sloped-Shallow	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-085	Till	40	Sediment	55	Sloped-Shallow	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-084	Till	30	Auger refusal	40	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-082	Till	35	Sediment	70	Sloped-Shallow	High	Great Quality	Very Low	C-Horizon	Un-Washed	Wet
NOR24T-083	Till	50	Sediment	80	Sloped-Shallow	High	Good Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-096	Till	40	Bedrock	50	Flat	High	Great Quality	Very Low	C-Horizon	Un-Washed	Dry
NOR24T-095	Till	30	Auger refusal	40	Flat	High	Good Quality	Very Low	C-Horizon	Un-Washed	Wet
NOR24T-002	Till	30	Sediment	50	Sloped-Shallow	High	Great Quality	Very Low	C-Horizon	Un-Washed	Dry
NOR24T-033	Till	35	Sediment	55	Sloped-Moderate	High	Great Quality	Very Low	C-Horizon	Un-Washed	Dry
NOR24T-023	Till	23	Sediment	45	Sloped-Shallow	High	Great Quality	Very Low	C-Horizon	Un-Washed	Damp
NOR24T-024	Till	15	Sediment	40	Sloped-Shallow	High	Great Quality	Very Low	C-Horizon	Un-Washed	Dry
Till_1	Till	50	Sediment	50	Sloped-Moderate	High	Good	Very Low	Oxidized	Un-Washed	Dry
Till_2	Till	25	Sediment	50	Sloped-Shallow	High	Good	Low	C-Horizon	Un-Washed	Dry
Till_3	Till	40	Auger refusal	50	Flat	High	Good	Very Low	Oxidized	Un-Washed	Damp
Till_4	Till	50	Auger refusal	60	Flat	High	Poor	Very Low	Gleyed	Un-Washed	Dry
Till_6	Till	20	Sediment	40	Sloped-Shallow	High	Good	Very Low	C-Horizon	Partial Wash	Damp
Till_8	Till	20	Sediment	40	Sloped-Shallow	High	Good	Moderate	C-Horizon	Partial Wash	Dry
Till_9	Till	40	Auger refusal	50	Sloped-Shallow	High	Fair	Low	C-Horizon	Un-Washed	Dry
Till_10	Till	25	Sediment	45	Sloped-Shallow	High	Good	Low	C-Horizon	Un-Washed	Damp
Till_13	Till	25	Sediment	50	Sloped-Shallow	Medium	Fair	Low	C-Horizon	Partial Wash	Dry
Till_15	Till	25	Sediment	45	Sloped-Shallow	High	Good	Low	C-Horizon	Un-Washed	Dry
Till_16	Till	25	Auger refusal	35	Sloped-Shallow	High	Great	Very Low	C-Horizon	Un-Washed	Dry
Till_17	Till	30	Sediment	50	Sloped-Shallow	High	Fair	Low	C-Horizon	Washed	Damp
Till_18	Till	25	Auger refusal	35	Flat	High	Good	Very Low	C-Horizon	Un-Washed	Dry
Till_19	Till	30	Sediment	55	Sloped-Shallow	Medium	Fair	Low	Oxidized	Partial Wash	Dry
Till_20	Till	15	Auger refusal	30	Flat	High	Good	Very Low	C-Horizon	Un-Washed	Dry
Till_21	Till	30	Sediment	55	Sloped-Shallow	High	Fair	Very Low	C-Horizon	Partial Wash	Dry
Till_28	Till	25	Sediment	50	Sloped-Shallow	High	Good	Low	C-Horizon	Partial Wash	Damp
Till_29	Till	35	Auger refusal	50	Sloped-Shallow	High	Fair	Very Low	Oxidized	Un-Washed	Damp
Till_30	Till	30	Sediment	55	Sloped-Shallow	High	Good	Low	C-Horizon	Washed	Damp
Till_31	Till	35	Auger refusal	50	Flat	High	Great	Very Low	C-Horizon	Un-Washed	Damp
Till_32	Till	20	Sediment	40	Sloped-Shallow	High	Good	Very Low	C-Horizon	Un-Washed	Damp
Till_33	Till	30	Auger refusal	55	Sloped-Shallow	High	Good	Very Low	C-Horizon	Un-Washed	Dry
Till_34	Till	30	Auger refusal	50	Sloped-Shallow	Medium	Fair	Low	Oxidized	Washed	Dry
Till_35	Till	30	Auger refusal	50	Sloped-Shallow	High	Good	Very Low	Oxidized	Un-Washed	Damp
Till_36	Till	20	Sediment	50	Sloped-Shallow	High	Good	Very Low	C-Horizon	Partial Wash	Damp
Till_36	Till	20	Sediment	50	Sloped-Shallow	High	Good	Very Low	C-Horizon	Partial Wash	Damp

	Station Description (2)						
Station ID	**Sample Matrix**	**Sample Matrix Colour**	**Sample Clast Colours**	**Sample Clast Percentage**	**Sample Clast Roundness**	**Sample Clast Size**	**Sample Comment**
NOR24T-060	Silty Sand	Orange-Brown	GreyGreen	16-20%	Subrounded	GranulePebbleCobble	Edge of clear cut. Two meters above nearby outcrop. Mix of B and C above ved
NOR24T-061	Sandy Silt	Beige	GreyPinkWhiteGreen	16-20%	Subangular	GranulePebbleCobble	Sampled between two boulders in hole. Sample site edge of clear cut. Bouldery area
NOR24T-108	Sandy Silt	Orange-Brown	GreenGreyPink	26-30%	Subrounded	GranulePebbleCobble	Bouldery area overgrown clear cut difficult to find sample
NOR24T-109	Silty Sand	Red-Brown	GreenPinkGrey	31-35%	Well Rounded	PebbleCobbleGranule	Difficult to locate sample best we found in area
NOR24T-110	Silty Sand	Beige	GreyWhitePink	21-25%	Subangular	GranulePebbleCobbleBoulder	Bouldery area. 20m from road.
NOR24T-077	Silty Sand	Beige		6-10%	Subangular	Granule	Clasts are predominantly granules. Difficult to detect color
NOR24T-076	Silty Sand	Ochre-grey		11-15%	Subangular	PebbleGranule	Sample taken in bouldery area. Material sieved at base. Sampled material mix of tan-ochre and grey (gleyed?) material
NOR24T-075	Silty Sand	Ochre	PinkBlackGreen	11-15%	Subangular	GranulePebble	Bouldery area. Sample taken in a moderate slope (flank of a ridge). Sieved at camp
NOR24T-101	Silt	Beige	PinkGrey	6-10%	Subrounded	PebbleCobble	Sample for ODM
NOR24T-018	Sandy Silt	Beige		11-15%	Subrounded	CobblePebble	Primary sample for ODM very wet to sopping with sump infill but very nice till
NOR24T-019	Sandy Silt	Beige	Red-BrownGrey	11-15%	Subrounded	PebbleGranule	Sample for ODM. Lots of low lying bedrock and standing water as well as washed sand around.
NOR24T-020	Silty Sand	Orange-Brown	Grey-BrownGreyPinkRed-Brown	36-40%	Subangular	CobblePebble	For ODM some sand below till locally but none observed in hole a bit oxidized a bit mixed maybe partially washed. Stream about 5 m away.
NOR24T-021	Sandy Silt	Orange-Brown	GreyPinkRed	6-10%	Subrounded	PebbleCobble	Sample for ODM oxidized think basal till on shallow Inteusion no real clean c observed in dozen holes poked near the sample.
NOR24T-022	Silty Sand	Orange-Brown	GreyPink	11-15%	Subrounded	PebbleCobble	Sample for ODM
NOR24T-098	Silty Sand	Beige	Red-BrownGrey-Brown	6-10%	Subangular	PebbleGranule	
NOR24T-097	Silty Sand	Brown	Red-BrownGrey-BrownGreen	21-25%	Subrounded	CobblePebbleBoulder	
NOR24T-001	Silty Sand	Beige	BlackGreyPink	11-15%	Subrounded	PebbleGranule	
NOR24T-005	Sandy Silt	Orange-Brown	GreenWhitePinkBlack	36-40%	Subangular	PebbleGranule	Sample location adjusted to avoid patented ground and unsuitable ground conditions
NOR24T-007	Silty Sand	Red-Brown	PinkBlackGreen	21-25%	Subangular	GranulePebble	
NOR24T-008	Sandy Silt	Tan	RedBlackGrey	16-20%	Subangular	PebbleGranule	Wet sample on ledge going up ridge. Good bedrock around
NORT24T-011	Silty Sand	Brown	PinkGreyBlackRedWhite	21-25%	Subrounded	PebbleCobble	
NOR24T-012	Silty Sand	Ochre	GreyGreenWhite	11-15%	Subangular	PebbleCobble	
NOR24T-013	Silty Sand	Orange-Brown		6-10%		Pebble	Pretty sandy. Likely washed. Little clasts. Checked around and similar material in other probes.
NOR24T-068	Silty Sand	Beige	GreyPinkBlack	16-20%	Subrounded	GranulePebble	
NOR24T-069	Silt	Grey beige		11-15%	Subrounded	GranulePebble	
Till_5	Sandy Silt	Brown	RustRed-BrownOrangeGrey	11-15%	Angular	CobblePebbleBoulder	
Till_7	Sandy Silt	Brown	GreyBrownGrey-Brown	6-10%	Angular	Pebble	
Till_11	Silt	Beige	Grey	6-10%	Subangular	BoulderCobbleGranule	
Till_12	Sandy Silt	Beige	GreyRed-BrownBrown	11-15%	Subangular	CobblePebbleBoulder	
Till_14	Sandy Silt	Orange-Brown	Grey	6-10%	Subangular	PebbleGranule	
Till_22	Silty Sand	Beige	PinkBeigeRed-BrownGreyGreen	31-35%	Abundant Angular	GranulePebbleCobble	
Till_23	Silty Sand	Beige	GreyBrownPink	11-15%	Subangular	GranulePebbleCobble	
Till_24	Silty Sand	Beige	BlackGreyBeigePinkGreen	11-15%	Subangular	GranulePebble	
Till_25	Silty Sand	Beige	GreyBrownPinkRed	16-20%	Subrounded	GranulePebbleCobble	
Till_26	Sandy Silt	Beige	BlackGreyPinkBeige	11-15%	Subrounded	GranulePebble	
Till_27	Sandy Silt	Beige	PinkBrownGrey	6-10%	Subangular	BoulderGranulePebble	
NOR24T-066	Sandy Silt	Brown		11-15%	Subrounded	GranulePebbleCobble	Material sieved at camp with increased moisture in bag. Difficult to observe clast composition.
NOR24T-067	Silty Sand	Brown	RedGreenBlackPink	11-15%	Subrounded	CobblePebble	Bedrock at 50cm
NOR24T-063	Silty Sand	Beige		11-15%	Well Rounded	GranuleCobblePebble	Sieved at camp. Clasts colour not noted.
NOR24T-064	Silty Sand	Beige	BlackPinkRedGreen	6-10%	Subangular	GranulePebbleCobble	
NOR24T-065	Silty Sand	Orange-Brown	GreyPinkWhite	26-30%	Subangular	PebbleCobble	
NOR24T-110	Silt	Brown	GreyGrey-BrownGreen	6-10%	Subrounded	Pebble	
NOR24T-111	Sandy Silt	Brown	GreyPinkBlack	11-15%	Subrounded	PebbleCobble	Maybe small potential for contamination from last sample due to wetness and inability to completely clean the screen. Augered to 1 m still C Till.
NOR24T-112	Silt	Beige	PinkGreyGrey-Brown	16-20%	Subrounded	Pebble	A little wet. Mostly C but a bit of oxidation due to local tree roots. Augered to 90 cm still C till.
NOR24T-113	Silty Sand	Orange-Brown	PinkGreenGrey	36-40%	Very Angular	PebbleCobbleBoulder	Clasts appear to be local to source. Low rise in surrounding wetland. Augered to 70 cm auger refusal due to clasts. Not the cleanest C likely B-C transition.
NOR24T-071	Sandy Silt	Beige	PinkGrey	21-25%	Angular	CobblePebble	Maybe minor B contaminant in C due to hole size but all till. Augered to 70 cm auger refusal no bedrock.
NOR24T-072	Sandy Silt	Brown	PinkGrey	6-10%	Subangular	PebbleGranule	Really clean nice sample.
NOR24T-073	Sandy Silt	Orange-Brown	GreyWhitePink	31-35%	Subangular	PebbleGranule	Good sample a few quartz clasts noted.
NOR24T-074	Silty Sand	Beige	BlackGreenPinkWhite	16-20%	Subrounded	PebbleGranule	Near top of small hill. Sieved at base.
NOR24T-090	Silty Sand	Brown	PinkGreen	11-15%	Subangular	GranulePebbleCobbleBoulder	
NOR24T-089	Silty Sand	Beige	Red-BrownBeigeGrey-Brown	16-20%	Subangular	PebbleCobble	
NOR24T-088	Silty Sand	Brown	GreenGreyOrange	11-15%	Subrounded	GranulePebble	

	Station Description (2)						
Station ID	**Sample Matrix**	**Sample Matrix Colour**	**Sample Clast Colours**	**Sample Clast Percentage**	**Sample Clast Roundness**	**Sample Clast Size**	**Sample Comment**
NOR24T-100	Silty Sand	Brown	BrownPinkGreen	16-20%	Subangular	GranulePebbleCobble	
NOR24T-099	Silty Sand	Beige	Red-BrownGrey-Brown	11-15%	Subangular	PebbleCobble	
NOR24T-087	Silty Sand	Brown	GreenWhite	11-15%	Subrounded	GranulePebbleCobble	
NOR24T-0289	Silty Sand	Beige	PinkGrey	11-15%	Subrounded	PebbleCobble	
NOR24T-029	Silty Sand	Beige	GreyPink	6-10%	Subangular	PebbleCobble	
NOR24T-030	Sandy Silt	Beige	PinkRedGrey	16-20%	Well Rounded	BoulderCobblePebble	
NOR24T-031	Silty Sand	Orange-Brown	Red-BrownGreyGreen	6-10%	Subangular	PebbleCobble	Only 5cm of C-horizon right above bedrock dominantly oxidized material
NOR24T-037	Silty Sand	Beige	Red-BrownGreenGrey-Brown	11-15%	Subrounded	PebbleGranule	
NOR24T-038	Silty Sand	Beige	PinkGreyGrey-Brown	11-15%	Subangular	PebbleCobble	
NOR24T-032	Silty Sand	Beige	Red-BrownBeigeGrey	16-20%	Subrounded	CobblePebble	
NOR24T-086	Silty Sand	Tan	GreenBlackPink	6-10%	Subangular	GranulePebble	Sieved at camp.
NOR24T-085	Silty Sand	Tan	GreenGreyBlack	11-15%	Subangular	PebbleCobble	Sample sieved back at camp
NOR24T-084	Silty Sand	Orange-Brown	PinkWhiteGreenGreyBlack	16-20%	Subrounded	CobbleBoulderPebble	Bouldery area. Sample sieved at camp
NOR24T-082	Silty Sand	Orange-Brown	PinkGreenBlackWhite	11-15%	Subangular	PebbleGranuleCobble	Near alder swamp. Sieved back at camp. Water in bottom of sample pit.
NOR24T-083	Silty Sand	Ochre	GreenWhitePinkBlackRed	16-20%	Subrounded	PebbleGranuleCobble	
NOR24T-096	Sandy Silt	Beige	Pink	6-10%	Subangular	PebbleCobble	Red syenite bedrock.
NOR24T-095	Silty Sand	Brown	Pink	21-25%	Subrounded	BoulderCobblePebble	
NOR24T-002	Silty Sand	Ochre	GreyGreen	11-15%	Subangular	PebbleCobble	Bedrock at 60 cm
NOR24T-033	Sandy Silt	Orange-Brown		26-30%	Subrounded	GranulePebbleCobble	
NOR24T-023	Sandy Silt	Orange-Brown	PinkGreenGreyWhite	16-20%	Subangular	PebbleGranule	Sample location modified during morning discussion.
NOR24T-024	Sandy Silt	Ochre		21-25%	Subangular	GranulePebble	
Till_1	Silt	Orange-Brown	Red-BrownRust	6-10%	Subrounded	GranulePebble	
Till_2	Silty Sand	Beige	RedRed-Brown	11-15%	Subangular	PebbleGranule	
Till_3	Sandy Silt	Orange-Brown	RustRed-BrownGrey	11-15%	Subangular	Pebble	
Till_4	Silt	Beige	Red-Brown	6-10%	Subangular	GranulePebbleBoulder	Weird gleying profile likely due to nearby tree roots and chunk y boulder profile/ irregular drainage.
Till_6	Silty Sand	Beige	Grey-BrownRed-Brown	11-15%	Subangular	PebbleGranule	
Till_8	Silty Sand	Beige	Red-BrownGrey-Brown	16-20%	Subangular	PebbleCobbleGranule	
Till_9	Sandy Silt	Beige	Pink	11-15%	Angular	BoulderCobblePebble	
Till_10	Silty Sand	Beige	Grey-Brown	6-10%	Subangular	PebbleGranule	
Till_13	Silty Sand	Beige	Grey-Brown	6-10%	Subangular	PebbleGranule	
Till_15	Sandy Silt	Beige	Grey-Brown	11-15%	Subangular	CobblePebble	
Till_16	Sandy Silt	Beige	TanGrey	6-10%	Very Angular	PebbleGranuleCobbleBoulder	
Till_17	Silty Sand	Beige	GreenGrey-Brown	21-25%	Subangular	CobblePebbleGranule	
Till_18	Sandy Silt	Beige		6-10%	Angular	CobblePebble	
Till_19	Silty Sand	Orange-Brown	Red-BrownGrey-Brown	26-30%	Subangular	GranulePebbleCobble	
Till_20	Sandy Silt	Beige	RustRedRed-BrownGreyBrown	16-20%	Angular	PebbleGranuleCobble	
Till_21	Silty Sand	Orange-Brown	Red-BrownGrey-Brown	16-20%	Subangular	CobblePebbleGranuleBoulder	Bit of mixed profile pockets of oxidation lots of syenite clasts
Till_28	Silty Sand	Beige	RedGrey-BrownGreenRed-Brown	21-25%	Subangular	PebbleGranule	
Till_29	Sandy Silt	Orange-Brown	GreyRed-BrownRedPinkBrown	16-20%	Subrounded	PebbleGranuleCobble	On cut Line. Compact till. Partial oxidation.
Till_30	Silty Sand	Beige	Red-BrownGrey-BrownGreen	16-20%	Subrounded	PebbleCobbleGranule	
Till_31	Silt	Brown	PinkWhite	1-5%	Subangular	BoulderPebble	Not sieved.
Till_32	Silty Sand	Beige	Red-BrownPinkGrey-BrownGreen	16-20%	Subangular	CobbleGranulePebble	
Till_33	Silty Sand	Beige	Red-BrownPinkGrey	21-25%	Subangular	BoulderCobblePebble	Lots of large sub angular boulders. Till interstitial.
Till_34	Silty Sand	Brown	GreenRed-BrownGrey-BrownBlack	21-25%	Subrounded	PebbleGranule	
Till_35	Sandy Silt	Orange-Brown	GreyPinkRed-Brown	16-20%	Subrounded	CobblePebble	
Till_36	Silt	Beige	BeigeRed-Brown	6-10%	Subangular	CobbleGranule	
Till_36	Silt	Beige	BeigeRed-Brown	6-10%	Subangular	CobbleGranule	Duplicate ALS sample

Appendix D. - Multi-Element Assay Results (1)

Sample ID	Analysis Type	Lab	Associated ALS Lab Certificate	Ag (ppm)	Al (ppm)	As (ppm)	Au (ppb)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (ppm)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (ppm)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppm)	In (ppm)
K518501	Till	ALS	SD24184967	0.031	25200	1.96	13.2	34.9	0.612	0.279	900	0.059	23.7	5.75	43.2	0.616	15.15	23300	5.79	0.038	0.244	0.054	0.021
K518502	Till	ALS	SD24184967	0.035	14600	0.95	4.4	59.4	0.368	0.105	1100	0.044	20.7	5.48	23.9	0.672	6.6	11600	2.98	0.033	0.089	0.031	0.013
K518503	Till	ALS	SD24184967	0.08	17900	1.45	7.4	34.7	0.355	0.1315	1100	0.06	21.6	5.1	27.3	0.63	8.01	14100	3.39	0.036	0.069	0.055	0.013
K518504	Till	ALS	SD24184967	0.114	16600	3.28	5.7	85.7	0.406	0.1385	1100	0.112	23.4	4.48	32.3	0.59	11.5	21000	5.71	0.033	0.039	0.067	0.017
K518505	Till	ALS	SD24184967	0.022	5200	1.06	2.8	94.6	0.284	0.0908	3300	0.033	37.5	5.17	28.3	0.352	28.1	11100	1.835	0.084	0.093	0.004	0.007
K518506	Till	ALS	SD24184967	0.026	15000	1.11	6.9	64.5	0.413	0.1075	2400	0.036	48.7	7.78	46.1	0.761	15.2	17300	4.51	0.064	0.064	0.02	0.013
K518507	Till	ALS	SD24184967	0.016	12400	1.5	20.1	72.7	0.296	0.0954	3400	0.029	28.4	8.9	36.8	0.856	72.8	17100	4.8	0.068	0.044	0.015	0.009
K518508	Till	ALS	SD24184967	0.095	15200	1.41	3.3	36.8	0.382	0.109	1800	0.048	36.5	5.65	29.6	0.395	14.3	12400	2.15	0.056	0.012	0.067	0.012
K518509	Till	ALS	SD24184967																				
K518511	Till	ALS	SD24184967	0.034	9800	0.56	1.9	41	0.181	0.0978	1200	0.046	16.55	3.64	21.3	0.712	6.12	7700	3.63	0.029	0.008	0.042	0.009
K518513	Till	ALS	SD24184967	0.007	9200	0.8	4.2	41	0.221	0.0727	2900	0.028	24.7	4.92	29.1	0.384	14	11500	2.92	0.064	0.075	0.011	0.01
K518517	Till	ALS	SD24184967	0.097	8100	0.81	1.8	74.8	0.274	0.225	1400	0.049	22.1	3.08	21.3	1.045	7.17	11900	4.53	0.035	0.019	0.026	0.011
K518519	Till	ALS	SD24184967	0.068	16400	1.17	18	21.8	0.413	0.133	1300	0.049	25.2	3.91	30.2	0.523	18.9	14900	3.57	0.032	0.054	0.101	0.013
K518521	Till	ALS	SD24184967	0.043	10100	1.32	4.5	68.9	0.241	0.115	2200	0.068	18.55	4.27	34.4	0.703	15.85	15500	4.66	0.031	0.033	0.034	0.01
K518523	Till	ALS	SD24184967	0.035	15100	0.91	3.4	30.1	0.271	0.0657	1400	0.056	21.2	6.19	33.4	0.445	9.18	11200	2.54	0.029	0.052	0.051	0.007
K518524	Till	ALS	SD24184967	0.088	16100	1.12	2	34.1	0.383	0.104	1000	0.057	23.8	3.65	31.5	0.884	8.98	15000	4.29	0.04	0.029	0.061	0.012
K518525	Till	ALS	SD24184967	0.026	13600	2.78	29.8	48.4	0.454	0.13	2700	0.045	46.1	10.8	57.4	0.75	24	26500	3.69	0.086	0.1	0.026	0.01
K518526	Till	ALS	SD24184967	0.078	18000	3.65	5.6	61.5	0.424	0.1855	1800	0.135	20.6	9.66	62.7	1.865	24.4	21600	6.26	0.05	0.109	0.051	0.023
K518527	Till	ALS	SD24184967	0.039	15600	3.11	22.2	19.75	0.331	0.397	1700	0.062	16.15	5.25	39.5	0.934	26.9	20100	4.32	0.034	0.032	0.098	0.018
K518528	Till	ALS	SD24184967	0.014	12200	1.1	7.1	33.1	0.248	0.0923	1700	0.028	21	4.72	38.3	1.105	15.85	10400	3.25	0.042	0.116	0.035	0.009
K518529	Till	ALS	SD24184967																				
K518530	Till	ALS	SD24184967	0.051	17700	2.35	7.1	44.5	0.626	0.104	1300	0.052	34.6	6.7	45	1.645	41.4	17800	4.88	0.062	0.083	0.052	0.018
K518531	Till	ALS	SD24184967	0.847	18700	2.2	22	33.7	0.386	0.1615	1200	0.152	20	7.68	36.5	1.46	14.55	16100	3.47	0.033	0.055	0.092	0.018
K518532	Till	ALS	SD24184967	0.013	9000	0.78	4.5	21.8	0.224	0.0646	1600	0.047	21.6	5.32	24.1	0.295	10.2	9700	1.835	0.041	0.063	0.021	0.005
K518533	Till	ALS	SD24184967	0.009	9400	0.36	3	66.5	0.226	0.065	2000	0.039	19.3	4.25	26.4	0.678	7.14	8900	3.15	0.032	0.077	0.016	0.007
K518536	Till	ALS	SD24240131	0.066	10300	1.8	2.7	66.6	0.429	0.116	1000	0.029	33.9	4.72	21.2	0.697	20.8	10100	2.76	0.034	0.013	0.026	0.01
K518537	Till	ALS	SD24240131	0.081	12500	0.99	1.7	26.6	0.251	0.096	700	0.033	19.45	4.06	24.4	0.813	7.28	10000	3.36	0.025	0.054	0.049	0.009
K518538	Till	ALS	SD24240131	0.179	16600	1.54	2.4	42.1	0.324	0.0734	900	0.072	17.05	4.69	32.1	1.145	5.53	14900	4.21	0.034	0.067	0.04	0.014
K518539	Till	ALS	SD24240131	0.161	16600	1.2	2.2	58	0.362	0.0826	1400	0.069	19.45	6.86	39.5	1.34	7.2	15300	4.97	0.034	0.057	0.053	0.012
K518541	Till	ALS	SD24240131	0.029	12400	1.14	5	20.1	0.304	0.0914	700	0.029	21.6	3.99	24.6	0.652	7.97	11600	3.71	0.032	0.04	0.056	0.012
K518542	Till	ALS	SD24240131	0.205	13600	2.05	12.9	39.1	0.245	0.0697	1200	0.085	16.9	8.02	25.1	0.61	38.4	14300	3.24	0.034	0.039	0.043	0.011
K518543	Till	ALS	SD24240131	0.16	15400	1.68	3.9	46.6	0.331	0.0694	900	0.06	16.1	5.64	30	1.015	10.55	13600	3.12	0.033	0.088	0.035	0.011
K518544	Till	ALS	SD24240131	0.05	20700	1.44	2.9	43.5	0.408	0.0817	1200	0.071	19.7	5.91	34.6	0.718	10.25	15900	3.49	0.033	0.101	0.06	0.017
K518545	Till	ALS	SD24240131	0.035	14200	0.64	4.6	25	0.291	0.0923	700	0.034	17.8	2.27	18.2	0.524	6.58	10700	3.96	0.027	0.028	0.05	0.011
K518546	Till	ALS	SD24240131	0.043	14300	1.37	1.9	24.2	0.292	0.078	900	0.044	21.3	5.19	28.2	0.669	9.19	11500	2.59	0.023	0.053	0.041	0.013
K518547	Till	ALS	SD24240131	0.065	16600	0.9	1	24.3	0.304	0.0791	500	0.038	14.6	2.91	18.4	0.782	3.85	12600	5.01	0.022	0.03	0.048	0.016
K518551	Till	ALS	SD24184967	0.125	5000	0.87	2.8	21.5	0.076	0.271	900	0.07	14.3	1.3	14.65	1.025	6.37	5200	4.48	0.039	0.031	0.031	0.007
K518552	Till	ALS	SD24184967	0.056	15000	1.48	2.4	45.2	0.299	0.0965	1600	0.05	19.5	5.48	30.3	0.439	9.37	11800	2.4	0.034	0.043	0.041	0.009
K518553	Till	ALS	SD24184967	0.016	12400	0.75	2.4	37.5	0.27	0.0598	2900	0.028	21.8	5.19	33.8	0.383	12.1	10900	2.47	0.049	0.038	0.025	0.01
K518554	Till	ALS	SD24184967	0.007	7900	0.63	2.7	37.3	0.247	0.065	2900	0.019	30.1	4.49	28.9	0.339	14.15	10300	2.16	0.054	0.068	0.009	0.009
K518559	Till	ALS	SD24184967	0.058	8900	0.98	2.9	53.8	0.302	0.205	1200	0.076	21.4	2.98	22.8	1.44	7.33	10700	4.2	0.033	0.036	0.03	0.012
K518560	Till	ALS	SD24184967	0.079	16600	1.02	3.7	31.6	0.371	0.1	1600	0.092	23.6	4.53	29.9	0.431	8.26	12300	3	0.036	0.024	0.064	0.012
K518561	Till	ALS	SD24184967	0.09	16600	0.9	1.6	38.3	0.262	0.0705	1700	0.083	16.2	6.88	38.4	0.538	9.19	14200	3.34	0.031	0.047	0.041	0.014
K518562	Till	ALS	SD24184967	0.055	15200	0.87	1.4	48.7	0.332	0.0912	900	0.052	18.65	5.1	33	0.68	6.33	13200	3.72	0.027	0.044	0.05	0.01
K518563	Till	ALS	SD24184967	0.075	13000	0.99	5.3	47	0.408	0.328	1500	0.064	25.4	3.53	29.7	0.574	13.15	13500	3.04	0.039	0.048	0.038	0.012
K518566	Till	ALS	SD24184967	0.038	13600	0.89	2.1	30.1	0.288	0.0803	1300	0.091	20.5	4.23	25.1	0.533	5.39	11000	2.84	0.033	0.046	0.048	0.01
K518567	Till	ALS	SD24184967	0.058	14200	1.27	1.9	34	0.354	0.142	1300	0.061	22.9	4.58	29.2	0.869	11.2	11400	2.46	0.033	0.085	0.035	0.011
K518568	Till	ALS	SD24184967	0.098	17000	1.42	2.1	60.7	0.365	0.1375	1500	0.072	19.85	3.87	27.4	0.617	9.42	15900	4.36	0.044	0.01	0.059	0.016
K518569	Till	ALS	SD24184967	0.036	10000	0.88	3.1	38.3	0.326	0.113	1600	0.053	25.4	5.04	32.2	0.519	16.35	11900	2.71	0.034	0.098	0.047	0.008
K518570	Till	ALS	SD24184967	0.07	16700	1.22	1.1	48.6	0.315	0.0977	1400	0.076	16.9	4.69	25.8	0.579	5.46	14200	3.26	0.029	0.039	0.044	0.013
K518571	Till	ALS	SD24184967	0.039	13200	0.8	18.2	38.1	0.343	0.104	2500	0.044	37	4.17	29.6	0.382	18.1	11500	2.66	0.042	0.051	0.04	0.009
K518572	Till	ALS	SD24184967	0.046	14800	1.11	2.6	44.1	0.546	0.297	2100	0.051	39.1	7.07	32.1	0.519	21.7	13600	3.2	0.071	0.035	0.046	0.013
K518573	Till	ALS	SD24184967	0.048	13600	1.02	3	35.3	0.297	0.0937	1600	0.056	24.2	4.12	25.7	0.456	7.66	10900	3.18	0.042	0.023	0.036	0.01
K518574	Till	ALS	SD24184967	0.038	14000	1.17	2.1	24.1	0.24	0.072	1700	0.049	24.5	4.91	29.3	0.398	10.85	11700	2.78	0.046	0.036	0.044	0.017
K518575	Till	ALS	SD24184967	0.034	15200	0.96	2.2	44.1	0.324	0.0859	2100	0.092	26.3	5.91	27.7	0.353	11.45	11800	2.96	0.054	0.034	0.036	0.018
K518576	Till	ALS	SD24184967	0.018	10800	0.58	2.4	82	0.306	0.0823	2500	0.023	26.7	5.09	30.5	0.382	12.4	10200	2.66	0.057	0.042	0.026	0.018
K518577	Till	ALS	SD24184967	0.034	18500	1	1.6	78.6	0.384	0.1045	1300	0.048	27.6	6.68	36.9	0.604	15.65	14800	4.03	0.044	0.092	0.043	0.013
K518578	Till	ALS	SD24184967	0.033	13200	0.66	3.5	180.5	1.05	0.127	2100	0.012	27.3	4.11	32.7	0.487	39.8	11300	3.46	0.073	0.098	0.02	0.011
K518579	Till	ALS	SD24184967	0.089	16800	2.08	6.9	36.1	0.468	0.106	1200	0.04	32.7	4.94	25.4	0.784	34.4	15500	3.06	0.045	0.061	0.049	0.017
K518580	Till	ALS	SD24184967	0.016	7500	0.68	3	71.9	0.213	0.072	3300	0.025	28	4.61	34	0.335	15.05	10200	2.11	0.068	0.037	0.011	0.008
K518581	Till	ALS	SD24184967	0.066	16200	1.07	2.3	54.7	0.362	0.0952	2200	0.035	33.4	7.06	32.7	0.477	13.1	12800	3.05	0.045	0.039	0.036	0.013
K518582	Till	ALS	SD24184967	0.116	15300	2.41	25	51	0.367	0.145	1000	0.041	27.3	6.42	27.5	0.638	12.1	13200	2.78	0.036	0.087	0.041	0.01
K518601	Till	ALS	SD24184967	0.019	8900	0.72	7.5	26.4	0.262	0.0942	1400	0.025	30.9	4.04	23.8	0.315	9.88	9000	2.11	0.049	0.04	0.022	0.009
K518602	Till	ALS	SD24184967	0.048	11200	0.8	3.4	16.65	0.225	0.0676	2000	0.04	29.9	4.59	23.7	0.207	7.85	9600	1.74	0.053	0.019	0.031	0.007
K518603	Till	ALS	SD24184967	0.082	13800	1.66	2.7	70.5	0.47	0.112	1700	0.045	33	4.79	28.5	0.737	9.41	13200	3.94	0.048	0.02	0.043	0.014
K518604	Till	ALS	SD24184967	0.022	9600	0.61	25.9	48.2	0.25	0.0928	2400	0.048	22	4.58	27.2	0.457	8.82	10500	3.37	0.053	0.04	0.022	0.01
K518605	Till	ALS	SD24184967	0.014	14500	0.85	2.6	59	0.356	0.09	2300	0.055	32.3	8.23	40.8	0.466	18.75	14200	3.28	0.064	0.045	0.031	0.011
K518606	Till	ALS	SD24184967	0.017	13700	0.86	1.9	37.3	0.301	0.0705	1300	0.049	29.4	4.71	30.2	0.453	13.4	11200	2.6	0.039	0.08	0.052	0.009

Appendix D. - Multi-Element Assay Results (1)

Sample ID	Analysis Type	Lab	Associated ALS Lab Certificate	Ag (ppm)	Al (ppm)	As (ppm)	Au (ppb)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (ppm)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (ppm)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppm)	In (ppm)
K518607	Till	ALS	SD24184967	0.009	7100	0.4	1.3	26	0.13	0.097	900	0.018	18.1	2.37	17.8	0.795	4.38	6400	3.99	0.034	0.019	0.016	0.008
K518608	Till	ALS	SD24184967	0.053	18500	2.05	12.5	84.2	0.568	0.233	2200	0.046	36.3	10.7	78	1.495	19.55	21000	5.35	0.055	0.125	0.027	0.02
K518611	Till	ALS	SD24184967	0.101	13400	2.92	6.3	38	0.383	0.166	900	0.037	30.9	6.93	30.5	0.687	15.95	13900	2.96	0.037	0.081	0.059	0.012
K518612	Till	ALS	SD24184967	0.261	13500	1.72	8.5	21.6	0.283	0.082	1200	0.069	18.9	6.42	35.4	0.866	10.3	13300	2.95	0.037	0.035	0.043	0.011
K518613	Till	ALS	SD24184967	0.194	18000	3.03	4.3	42.8	0.456	0.171	1300	0.069	26.5	8.54	42.9	0.966	14.15	16900	3.77	0.039	0.073	0.054	0.017
K518617	Till	ALS	SD24240131	0.052	8400	0.49	4	39	0.232	0.0643	800	0.033	15.6	2.58	14.65	0.469	3.95	7800	2.55	0.021	0.029	0.027	0.007
K518618	Till	ALS	SD24240131	0.023	13700	1.17	9.1	38	0.343	0.177	1500	0.049	28.8	5.53	30	0.57	16.2	13100	2.49	0.039	0.092	0.036	0.011
K518619	Till	ALS	SD24240131	0.041	16900	1.34	3.3	36.8	0.396	0.1135	1100	0.069	17.95	3.31	25.5	0.65	6.14	14100	3.63	0.031	0.096	0.062	0.013
K518620	Till	ALS	SD24240131	0.159	12700	0.8	1.9	44.4	0.262	0.121	1000	0.034	17.2	1.36	16	0.69	3.67	11200	5.89	0.025	0.032	0.054	0.011
K518621	Till	ALS	SD24240131	0.048	19300	2.42	4	44.8	0.436	0.1495	1400	0.084	20.2	7.26	38.4	1.105	18.4	21400	5.9	0.034	0.112	0.058	0.023
K518622	Till	ALS	SD24240131	0.123	27200	5.2	5.6	74.6	0.564	0.207	2000	0.172	18.9	9.79	81.4	1.56	27.3	30300	7.34	0.04	0.146	0.09	0.025
K518623	Till	ALS	SD24240131	0.08	17900	3.28	3.6	69	0.459	0.166	2200	0.068	24.8	22.6	136.5	4.47	23.7	24900	5.79	0.04	0.048	0.047	0.019
K518624	Till	ALS	SD24240131	0.039	12900	1.33	9.7	46.7	0.274	0.0711	1600	0.051	22.8	6.15	33.2	0.714	8.69	13000	2.59	0.036	0.064	0.03	0.01
K518625	Till	ALS	SD24240131	0.014	8900	0.82	2.5	30.7	0.225	0.0479	2200	0.016	28	4.73	25.2	0.545	6.78	9300	2.23	0.044	0.072	0.015	0.009
K518627	Till	ALS	SD24240131	0.052	15100	1.84	7.7	20.5	0.433	0.107	1100	0.047	30.4	4.4	32	0.983	9.59	16300	4.92	0.043	0.035	0.065	0.018
K518628	Till	ALS	SD24240131	0.113	16200	1.54	1.8	34.6	0.41	0.0773	1200	0.064	24	5.32	34.7	1.055	12.65	13200	4.6	0.035	0.066	0.069	0.013
K518629	Till	ALS	SD24240131	0.051	18600	2.17	1.9	33.3	0.486	0.0965	1100	0.058	20.4	7.06	37.5	1.065	12.55	15200	3.96	0.033	0.102	0.052	0.017
K518631	Till	ALS	SD24240131	0.039	16800	1.69	2	30.9	0.347	0.0664	1000	0.051	20.1	6.34	31.9	0.783	8.18	13100	3.57	0.035	0.081	0.053	0.014
K518632	Till	ALS	SD24240131	0.057	30200	2.56	1.8	72	0.672	0.26	1200	0.065	12.4	9.49	65	0.909	17.3	33200	11.25	0.026	0.149	0.053	0.028
K518633	Till	ALS	SD24240131	0.116	24800	1.89	1.9	119	0.483	0.1205	2100	0.083	29.5	11.15	59.9	1.645	15.8	24800	7.98	0.035	0.109	0.048	0.024
K518634	Till	ALS	SD24240131	0.064	20100	1.81	6.4	66.5	0.47	0.1265	1400	0.072	29.5	8.67	47.3	0.924	19.95	20300	4.67	0.037	0.162	0.065	0.017
K518635	Till	ALS	SD24240131	0.039	14000	1.36	11.6	25.6	0.293	0.0621	1100	0.062	20.4	5.18	27.3	0.559	14.4	12800	1.91	0.024	0.09	0.045	0.012
K518636	Till	ALS	SD24240131	0.022	20100	1.7	4.2	25.7	0.4	0.0614	1100	0.078	17.9	7.1	34.7	1.18	13.6	15200	2.85	0.03	0.143	0.049	0.015
K518637	Till	ALS	SD24240131	0.039	11600	0.94	13.6	16.05	0.224	0.056	1500	0.062	15.35	4.96	22.7	0.464	15.75	10300	2.12	0.033	0.062	0.033	0.011
K518638	Till	ALS	SD24240131	0.018	11300	0.88	7.4	23.6	0.208	0.0557	1100	0.044	20.1	4.02	20.1	0.502	11.3	9800	3.21	0.029	0.032	0.031	0.009
K518639	Till	ALS	SD24240131	0.064	9000	1.56	2.8	62.6	0.288	0.0977	1300	0.051	25.2	2.96	21.1	0.709	12.4	16000	4.28	0.038	0.029	0.033	0.015
K518641	Till	ALS	SD24240131	0.053	16100	1.39	8.8	25.4	0.435	0.109	1700	0.07	24.2	6.02	33.3	0.601	11.5	15400	3.46	0.039	0.08	0.031	0.017
K518642	Till	ALS	SD24240131	0.04	11700	1.27	24.9	29	0.359	0.324	1100	0.049	21.5	2.6	33.5	0.694	10.75	9600	7.03	0.036	0.022	0.051	0.014
K518643	Till	ALS	SD24240131	0.067	16800	1.23	1.5	23.5	0.467	0.104	1000	0.053	20.4	3.53	25.8	0.731	16.25	15300	3.58	0.036	0.056	0.076	0.015
K518644	Till	ALS	SD24240131	0.054	13800	0.82	3.6	22.7	0.288	0.0912	700	0.053	17.75	3.2	19.7	0.918	18.5	10600	3.07	0.018	0.033	0.055	0.011
K518645	Till	ALS	SD24240131	0.057	13000	0.88	2.5	22.8	0.273	0.0884	700	0.05	17.15	3.13	19.05	0.872	16.9	10800	4.2	0.026	0.031	0.048	0.011

Multi-Element Assay Results (2)

Sample ID	K (ppm)	La (ppm)	Li (ppm)	Mg (ppm)	Mn (ppm)	Mo (ppm)	Na (ppm)	Nb (ppm)	Ni (ppm)	P (ppm)	Pb (ppm)	Pd (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)
K518501	200	9	10.5	1700	55.4	3.37	40	2.01	19	334	11.55	*BDL*	3.18	0.0001	0.063	0.075	3.54	0.386	0.51	8.43	*BDL*	0.023	4.95	0.1065	0.038
K518502	300	7.74	8.3	1800	63.1	0.304	50	0.967	16.35	233	6.56	*BDL*	4.6	0.0001	0.016	0.031	1.71	0.137	0.32	9.73	*BDL*	0.006	3.34	0.0687	0.0354
K518503	400	8.65	10	1900	66.5	0.362	50	1.645	14.15	283	6.75	*BDL*	4.58	0.0001	0.012	0.033	2.01	0.247	0.34	8.72	*BDL*	0.01	3.06	0.07	0.039
K518504	300	9.46	13.1	1700	62.4	0.68	30	1.81	14.25	270	9.22	*BDL*	4.29	0.0001	0.019	0.049	2.14	0.345	0.49	10.95	*BDL*	0.012	2.12	0.0785	0.0497
K518505	300	18.05	4.9	2300	159.5	0.485	110	0.671	15.95	549	6.83	*BDL*	3.36	0.0004	0.002	0.031	2.29	0.061	0.27	22.2	*BDL*	0.014	4.53	0.0731	0.0413
K518506	700	20.4	12.2	4300	222	0.207	120	0.629	23.1	319	6.76	*BDL*	9.7	0.0001	0.002	0.035	3.48	0.098	0.46	22.8	*BDL*	0.011	6.06	0.1115	0.0738
K518507	400	15.45	10.8	5200	231	0.703	70	0.441	26.5	300	7.21	*BDL*	6.23	0.0001	0.001	0.116	3.36	0.068	0.44	28.8	*BDL*	0.013	3	0.124	0.0675
K518508	200	9.28	5.9	1900	77.6	0.499	60	1.29	16.15	468	9.75	*BDL*	2.3	0.0002	0.017	0.035	1.835	0.329	0.23	13.3	*BDL*	0.013	1.79	0.0632	0.0268
K518509																									
K518511	300	7.9	8.6	2200	100.5	0.351	30	0.849	12.2	198	6.02	*BDL*	4.78	0.0001	0.008	0.026	1.255	0.161	0.35	9.51	*BDL*	0.007	1.51	0.0569	0.0473
K518513	400	11.7	6.4	3000	128.5	0.24	100	0.924	15.9	399	4.66	*BDL*	3.84	0.0001	0.002	0.031	2.42	0.079	0.3	26.2	*BDL*	0.009	3.19	0.0886	0.0372
K518517	300	11.6	12.4	1900	112	1.075	20	1.51	10.1	130	7.23	*BDL*	5.28	0.0001	0.007	0.045	1.355	0.138	0.47	12.7	*BDL*	0.017	2.52	0.071	0.0428
K518519	200	9.75	6.7	1600	64.7	0.663	50	1.555	12.15	301	10.35	*BDL*	2.54	0.0007	0.018	0.037	1.895	0.456	0.31	10.1	*BDL*	0.012	2.67	0.0696	0.0398
K518521	400	7.72	7.8	3000	96.3	1.13	70	1.485	20.5	276	6.06	*BDL*	4.28	0.0001	0.008	0.046	1.615	0.233	0.4	24	*BDL*	0.02	1.69	0.0932	0.0363
K518523	200	6.44	6.9	2300	73.9	0.227	80	1.18	21.8	219	5.18	*BDL*	2.22	0.0002	0.021	0.022	1.88	0.224	0.25	10.8	*BDL*	0.008	2.13	0.0788	0.0264
K518524	300	9.82	9.1	1600	60.7	0.615	20	1.715	13.35	197	7.49	*BDL*	4.66	0.0001	0.024	0.035	1.995	0.327	0.41	7.48	*BDL*	0.011	3.23	0.0888	0.0486
K518525	600	18.65	9.9	3200	186	0.847	60	1.42	27.3	556	10.4	*BDL*	6.37	0.0004	0.009	0.069	2.34	0.247	0.4	16.65	*BDL*	0.035	6.65	0.1235	0.0513
K518526	600	9.32	15.4	4900	316	0.701	40	1.775	32.9	567	9.69	*BDL*	11.65	0.0002	0.011	0.137	2.44	0.453	0.57	16	*BDL*	0.077	3.62	0.122	0.104
K518527	200	8.11	8.4	3200	116.5	1.465	5	1.465	17.75	444	6.33	*BDL*	2.73	0.0003	0.02	0.091	1.835	0.622	0.29	14.1	*BDL*	0.124	1.645	0.0713	0.0567
K518528	200	11.4	8.3	3000	88.7	0.422	70	1.255	19.85	214	7.03	*BDL*	2.93	0.0004	0.02	0.051	1.89	0.206	0.34	15.45	*BDL*	0.009	3.45	0.0917	0.0524
K518529																									
K518530	300	14.55	14.2	2300	106.5	3.04	30	1.815	21.3	404	7.24	*BDL*	6.08	0.0006	0.04	0.079	2.42	0.311	0.45	8.94	*BDL*	0.022	4.24	0.0883	0.0923
K518531	300	9.58	9.9	2300	121	1.835	50	1.34	19	512	32.6	*BDL*	5.67	0.0002	0.02	0.056	2.14	0.422	0.3	7.48	*BDL*	0.07	3.26	0.0617	0.0699
K518532	200	7.35	4.9	1600	86.1	0.15	80	0.898	14.7	299	4.73	*BDL*	2.01	0.0001	0.016	0.021	1.365	0.101	0.22	13.25	*BDL*	0.007	2.9	0.0716	0.0222
K518533	300	9.9	8.4	2600	84.2	0.205	80	0.852	15.05	125	4.76	*BDL*	4.65	0.0001	0.001	0.021	1.69	0.06	0.33	17.9	*BDL*	0.005	2.99	0.082	0.0392
K518536	200	10.45	8.4	1800	73.8	0.641	40	0.933	16.2	155	5.26	*BDL*	4.38	0.0004	0.006	0.032	1.375	0.138	0.28	5.91	*BDL*	0.024	2.35	0.0472	0.0347
K518537	200	7.86	6.8	1500	57.9	0.376	40	0.906	12.25	229	5.21	*BDL*	4.04	0.0002	0.015	0.033	1.655	0.176	0.34	5.15	*BDL*	0.007	2.96	0.0628	0.0345
K518538	300	8.34	10.2	1700	77.1	0.377	40	1.23	16.5	417	5.72	*BDL*	5.94	0.0002	0.027	0.058	1.925	0.28	0.35	5.53	*BDL*	0.015	2.75	0.064	0.0407
K518539	400	9.93	14.2	3200	120.5	0.317	70	1.14	20.1	407	5.18	*BDL*	10.1	0.0002	0.009	0.045	2.55	0.239	0.41	9.19	*BDL*	0.015	2.72	0.0705	0.0654
K518541	200	8.87	7.1	1400	49.8	0.383	40	1.065	11.05	131	5.27	*BDL*	3.03	0.0001	0.03	0.039	1.85	0.241	0.38	6.33	*BDL*	0.017	2.63	0.0728	0.0415
K518542	300	9.03	9.1	2500	209	1.09	40	1.04	14.9	627	3.74	*BDL*	4.83	0.0002	0.01	0.049	1.505	0.285	0.28	7.22	*BDL*	0.035	2.17	0.0493	0.0363
K518543	200	7.57	9.9	1700	60.8	0.255	40	0.967	16.8	390	4.67	*BDL*	4.6	0.0004	0.01	0.051	2.19	0.199	0.28	6.9	*BDL*	0.015	2.4	0.0606	0.0376
K518544	300	9.62	9.9	2100	105	0.409	60	1.39	19.25	378	6.49	*BDL*	5.05	0.0002	0.022	0.049	2.38	0.341	0.32	7.47	*BDL*	0.014	2.85	0.0656	0.0468
K518545	100	8.83	8.1	800	29.9	0.699	30	1.19	6.91	146	12.65	*BDL*	2.68	0.0008	0.012	0.029	1.655	0.241	0.35	5.73	*BDL*	0.006	2.21	0.0597	0.0364
K518546	200	7.65	7.4	2000	65.1	0.322	60	1.43	16.25	191	6.03	*BDL*	3.29	0.0002	0.017	0.038	1.6	0.277	0.29	7.96	*BDL*	0.009	2.29	0.069	0.042
K518547	200	7.57	7.7	800	40.2	0.466	40	1.345	8.12	387	5.81	*BDL*	3.89	0.0006	0.016	0.046	1.36	0.356	0.39	4.13	*BDL*	0.01	1.775	0.0412	0.0331
K518551	300	7.66	3.2	800	46.3	1.315	5	1.68	5.98	112	13.7	*BDL*	4.13	0.0002	0.003	0.062	0.803	0.164	0.74	11.1	*BDL*	0.014	2.03	0.121	0.062
K518552	200	7.67	6.5	1900	69.4	0.346	130	1.33	18.05	397	6.26	*BDL*	2.81	0.0004	0.016	0.033	1.645	0.232	0.24	14.05	*BDL*	0.01	2.22	0.0647	0.0289
K518553	300	11.3	6.5	2700	92.9	0.324	120	1.195	18.8	553	4.39	*BDL*	2.6	0.0002	0.008	0.02	2.04	0.204	0.22	15.95	*BDL*	0.006	2.28	0.0677	0.0268
K518554	300	15.2	5.6	2400	123	0.128	140	0.534	14.95	342	4.48	*BDL*	2.67	0.0001	0.001	0.02	2.45	0.067	0.28	23.3	*BDL*	0.005	3.48	0.0875	0.0346
K518559	300	11.1	8	1800	74.4	0.626	40	1.65	9.98	191	11.2	*BDL*	5.99	0.0002	0.01	0.049	1.31	0.221	0.47	10.45	*BDL*	0.019	2.67	0.0847	0.0591
K518560	200	8.6	6.2	1800	60.8	0.484	70	1.5	14.75	347	7.27	*BDL*	2.47	0.0001	0.019	0.031	1.76	0.401	0.29	11.1	*BDL*	0.009	1.355	0.0691	0.0349
K518561	300	7.04	8	2600	83	0.32	100	1.37	21.8	227	4.82	*BDL*	3.67	0.0001	0.01	0.025	2.05	0.222	0.3	13.35	*BDL*	0.007	1.985	0.0842	0.0363
K518562	300	7.9	7.8	2000	57.1	0.288	50	1.375	16.55	196	6.39	*BDL*	3.99	0.0001	0.009	0.018	1.96	0.259	0.31	7.38	*BDL*	0.006	2.61	0.0723	0.0411
K518563	200	12.1	6.6	1600	57.3	0.522	50	1.885	10.7	369	10.95	0.001	2.12	0.0001	0.012	0.034	1.3	0.195	0.34	12.15	*BDL*	0.012	2.9	0.0722	0.0259
K518566	300	8.75	8	1700	58	0.302	50	1.42	13.2	220	5.6	*BDL*	3.56	0.0001	0.008	0.03	1.79	0.242	0.29	10.5	*BDL*	0.007	2.82	0.0661	0.0364
K518567	200	10.05	9	2000	73.1	0.343	50	1.35	15.15	274	6.75	*BDL*	4.04	0.0001	0.007	0.029	1.645	0.193	0.26	7.81	*BDL*	0.01	3.64	0.0626	0.0389
K518568	300	9.62	7.3	1800	117	0.58	30	1.38	13.85	687	7.04	*BDL*	4.35	0.0006	0.018	0.045	1.425	0.381	0.33	11.55	*BDL*	0.014	1.265	0.0652	0.044
K518569	300	8.72	7	2600	86.5	0.214	70	0.916	16.3	380	5.36	*BDL*	3.81	0.0001	0.002	0.026	1.885	0.147	0.31	13.45	*BDL*	0.006	3.79	0.0754	0.0323
K518570	300	7.59	7.9	1500	61.5	0.472	50	1.68	13.1	277	5.86	*BDL*	3.63	0.0006	0.013	0.031	1.365	0.293	0.35	10.3	*BDL*	0.011	2.27	0.0699	0.0409
K518571	200	11.85	5.5	2200	84.9	0.344	130	1.425	14.6	352	5.96	*BDL*	2.37	0.0004	0.008	0.019	2.28	0.24	0.31	20.8	*BDL*	0.007	2.9	0.088	0.0349
K518572	300	15.25	9	2900	156.5	0.523	140	1.355	19.2	461	10.05	0.001	3.8	0.0002	0.017	0.032	2.38	0.252	0.33	16.65	*BDL*	0.009	2.8	0.0726	0.0509
K518573	200	9.31	6	2000	78.1	0.514	100	1.125	15.55	428	5.75	*BDL*	3.41	0.0002	0.014	0.025	1.905	0.255	0.33	14.85	*BDL*	0.005	1.755	0.0638	0.036
K518574	300	8.89	6.1	2100	86.9	0.426	90	1.155	17.6	416	5.31	0.001	3.3	0.0003	0.016	0.029	1.96	0.271	0.28	11.9	*BDL*	0.009	1.94	0.0632	0.0321
K518575	300	9.33	6.6	2400	83.1	0.26	80	1.3	19.4	441	5.8	*BDL*	3.69	0.0004	0.011	0.024	2.28	0.261	0.28	16.65	*BDL*	0.008	1.77	0.0676	0.0374
K518576	300	11.65	6.9	2400	108.5	0.391	160	1.015	17.5	398	4.68	0.001	3.31	0.0001	0.01	0.024	2.34	0.151	0.3	18.65	*BDL*	0.004	3.2	0.0745	0.0378
K518577	400	9.71	9.2	2900	89.3	0.429	110	1.335	22	196	7.79	0.002	5.31	0.0001	0.021	0.031	3.07	0.27	0.4	13.75	*BDL*	0.008	3.43	0.0874	0.0519
K518578	300	20.2	8.3	2300	71	2.21	120	0.803	19.35	276	5.91	*BDL*	3.29	0.0002	0.008	0.024	4.3	0.14	0.36	19.05	*BDL*	0.004	3.55	0.0822	0.0432
K518579	200	14.15	7.8	1600	86.5	1.65	5	1.185	15.25	485	19.75	*BDL*	3.71	0.0013	0.01	0.055	2.14	0.393	0.27	8.7	*BDL*	0.011	3	0.0487	0.0434
K518580	300	13.25	7.7	2600	127	0.509	190	0.601	18.3	493	4.48	0.001	3.47	0.0001	0.004	0.022	2.57	0.052	0.27	23.6	*BDL*	0.006	3.13	0.0744	0.0365
K518581	400	8.9	7.8	2700	97.2	0.382	130	1.265	22.2	363	8.13	*BDL*	4.26	0.0004	0.013	0.029	2.33	0.227	0.31	18.9	*BDL*	0.009	2.27	0.0767	0.0388
K518582	300	8.98	8.3	1900	76.4	0.651	80	0.987	17.05	302	8.97	*BDL*	3.99	0.0003	0.041	0.05	2.16	0.237	0.31	10.85	*BDL*	0.013	3.26	0.0677	0.0391
K518601	200	10.8	4.4	1700	64.5	0.203	40	0.936	12.75	293	5.65	*BDL*	2.22	0.0003	0.006	0.017	2.11	0.109	0.29	12.25	*BDL*	0.006	3.12	0.0725	0.024
K518602	100	9.43	4.3	1600	57.6	0.243	110	1.005	12.65	410	4.45	*BDL*	1.4	0.0004	0.013	0.017	1.73	0.219	0.22	12.8	*BDL*	0.008	1.655	0.0609	0.0173
K518603	300	15.95	12.1	2100	191.5	0.558	80	1.465	18.95	335	9.29	*BDL*	4.82	0.0001	0.018	0.046	1.94	0.249	0.39	12.1	*BDL*	0.01	2.52	0.065	0.0488
K518604	300	10.7	7.4	2900	86.5	0.297	120	1.265	16.85	344	5.17	*BDL*	3.55	0.0002	0.009	0.031	1.985	0.118	0.33	18.85	*BDL*	0.007	2.47	0.0811	0.0293
K518605	500	12.6	7.6	3700	135.5	0.252	110	1.24	26.7	432	7.22	0.001	4.67	0.0001	0.008	0.022	2.64	0.212	0.29	15.75	*BDL*	0.012	2.99	0.0797	0.0444
K518606	200	9.81	6.7	2300	69.8	0.573	70	1.215	16.1	253	4.96	0.001	2.66	0.0002	0.016	0.022	2.32	0.231	0.3	11.2	*BDL*	0.008	3.38	0.0783	0.0351

	Multi-Element Assay Results (2)																							
Sample ID	K (ppm)	La (ppm)	Li (ppm)	Mg (ppm)	Mn (ppm)	Mo (ppm)	Na (ppm)	Nb (ppm)	Ni (ppm)	P (ppm)	Pb (ppm)	Pd (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)
K518607	200	9.08	7.2	1900	47.6	0.253	40	1.065	9.01	119	6.74	*BDL*	3.27	0.0001	0.008	0.019	1.155	0.1	0.4	6.75	*BDL*	0.006	2.73	0.0635	0.0437
K518608	700	17.3	16.8	8000	241	0.622	130	0.573	41	558	10.95	*BDL*	9.42	0.0001	0.005	0.059	4.55	0.135	0.5	15.85	*BDL*	0.148	6.05	0.098	0.1015
K518611	200	12.5	7.8	1900	98	0.92	170	0.991	17.3	355	8.38	0.001	4.47	0.0002	0.026	0.061	2.29	0.287	0.31	10.5	*BDL*	0.024	3.63	0.0609	0.0463
K518612	300	7.5	8.3	2600	76.3	0.803	60	1.145	19.6	421	6.16	*BDL*	4.47	0.0002	0.011	0.044	1.71	0.231	0.29	11.4	*BDL*	0.022	2.4	0.0681	0.0518
K518613	300	11.1	11.4	3500	113	0.578	80	1.25	25.8	467	6.53	*BDL*	5.13	0.0001	0.013	0.068	2.49	0.36	0.37	11.85	*BDL*	0.055	3.51	0.0764	0.0608
K518617	200	7.32	4.3	900	49.3	0.229	60	0.736	6.7	163	4.69	*BDL*	3.62	0.0001	0.014	0.022	1.29	0.112	0.28	5.95	*BDL*	0.006	2.38	0.0523	0.0318
K518618	200	10.35	8.2	2000	77.2	0.466	80	1.28	16.95	348	9	*BDL*	3.08	0.0002	0.018	0.031	1.955	0.199	0.28	10	*BDL*	0.008	3.07	0.0749	0.0284
K518619	200	9.02	7.7	1500	59.9	0.407	60	1.67	10.35	428	8.26	*BDL*	3.1	0.0001	0.018	0.029	2.06	0.348	0.29	8.38	*BDL*	0.008	2.68	0.0671	0.0321
K518620	200	9.12	4.3	800	43.2	0.496	50	1.42	4.85	222	9.23	*BDL*	4.08	0.0003	0.011	0.025	1.245	0.242	0.48	6.93	*BDL*	0.007	2.61	0.0569	0.038
K518621	300	8.33	11.4	2500	122.5	0.714	80	2.2	20.4	309	10.75	*BDL*	5.11	0.0001	0.022	0.073	2.43	0.437	0.5	12.35	*BDL*	0.026	2.36	0.0997	0.0524
K518622	500	9.96	21.9	6000	193	0.92	80	2.04	32.3	1335	13.5	0.001	7.4	0.0007	0.033	0.122	3.34	0.574	0.47	15.05	*BDL*	0.059	1.92	0.0937	0.0982
K518623	1000	9.93	18.8	9700	938	1.04	70	0.99	32.3	523	8.09	*BDL*	11.35	0.0003	0.019	0.185	2.08	0.412	0.56	17.5	*BDL*	0.029	1.69	0.162	0.328
K518624	400	9.87	9	2600	112.5	0.194	70	1.08	18.8	459	5.23	*BDL*	6.15	0.0001	0.012	0.037	1.56	0.175	0.29	11.85	*BDL*	0.015	3.12	0.0713	0.0412
K518625	400	13.65	7.9	2600	109	0.145	80	0.857	14.65	375	3.64	*BDL*	6.02	0.0002	0.005	0.024	1.67	0.098	0.27	11	*BDL*	0.006	3.84	0.0678	0.0442
K518627	200	11.35	9	2100	79.8	0.546	60	1.605	12.95	383	5.93	*BDL*	3.74	0.0003	0.024	0.048	2.23	0.423	0.32	7.62	*BDL*	0.022	2.01	0.0639	0.0513
K518628	400	11.45	10.3	2500	88.4	0.301	70	1.375	17.8	572	5.86	*BDL*	6.26	0.0002	0.013	0.044	2.78	0.29	0.37	9.04	*BDL*	0.013	3.3	0.0651	0.0587
K518629	300	9.6	11.3	2600	80.2	0.363	70	1.655	21.4	538	5.95	*BDL*	5.09	0.0002	0.015	0.05	2.7	0.296	0.37	8.59	*BDL*	0.018	3.03	0.074	0.0453
K518631	300	9.49	9.4	2300	81.4	0.265	70	1.3	19.6	412	5.02	*BDL*	4.7	0.0001	0.028	0.03	2.38	0.252	0.32	6.62	*BDL*	0.009	2.88	0.0656	0.0487
K518632	300	6.41	20.7	5500	105	0.872	70	2.82	29.6	523	5.28	0.001	5.18	0.0001	0.027	0.117	4.2	0.499	0.9	9.99	*BDL*	0.041	2.36	0.0989	0.0476
K518633	900	11.9	24.8	6300	188.5	0.432	140	1.85	35.2	289	10.25	*BDL*	13.15	0.0002	0.015	0.076	3.89	0.293	0.62	15.35	*BDL*	0.027	3.4	0.1045	0.0964
K518634	500	11	14.8	3600	113	0.389	80	1.56	25.2	260	7.19	*BDL*	6.86	0.0002	0.02	0.051	3.21	0.262	0.47	10.55	*BDL*	0.015	3.96	0.0959	0.0479
K518635	200	7.08	7.2	1500	61.1	0.303	70	1.14	14.95	168	6	*BDL*	3.14	0.0002	0.027	0.044	1.69	0.187	0.27	10.65	*BDL*	0.008	2.39	0.0793	0.0284
K518636	200	8.03	10.8	2000	77.6	0.613	70	1.5	21.2	331	6.61	*BDL*	3.42	0.0002	0.015	0.044	2.34	0.33	0.25	8.35	*BDL*	0.023	2.54	0.0653	0.0344
K518637	100	6.77	5.9	1500	57.3	0.233	70	1.16	14.9	289	5.7	*BDL*	1.835	0.0003	0.011	0.031	1.46	0.173	0.21	9.87	*BDL*	0.008	1.7	0.0642	0.0236
K518638	200	9.14	6.2	1400	52.7	0.24	60	1.135	11.4	165	5.07	*BDL*	3.12	0.0002	0.009	0.036	1.605	0.135	0.32	8.73	*BDL*	0.006	2.25	0.0617	0.0378
K518639	300	11.15	7.6	1500	59.6	1.74	40	1.62	11.3	144	7.19	*BDL*	3.99	0.0003	0.01	0.046	1.3	0.183	0.38	8.76	*BDL*	0.014	2.27	0.0722	0.0367
K518641	200	10.9	9.3	2700	120	0.407	80	1.52	18.15	417	8.04	*BDL*	2.49	0.0001	0.022	0.048	2.01	0.25	0.35	13	*BDL*	0.013	2.76	0.0779	0.025
K518642	200	12.05	9.6	2300	54.1	0.818	120	1.73	10.75	340	17.9	*BDL*	2.51	0.0008	0.046	0.052	1.66	0.385	0.43	7.55	*BDL*	0.019	0.769	0.0638	0.0389
K518643	200	9.73	7.5	1300	55.4	0.974	70	1.61	11.5	217	7.22	*BDL*	3.21	0.0001	0.033	0.046	2.24	0.367	0.36	9.45	*BDL*	0.01	2.11	0.0861	0.0363
K518644	200	9.2	7.3	1100	53	1.5	50	1.35	7.65	175	5.89	*BDL*	4.06	0.0002	0.021	0.031	1.305	0.197	0.42	6.2	*BDL*	0.008	2.37	0.0684	0.0424
K518645	200	8.74	6.8	1000	49.6	1.415	50	1.315	7.2	164	5.8	*BDL*	3.98	0.0001	0.024	0.032	1.685	0.193	0.41	5.66	*BDL*	0.006	2.37	0.0672	0.0405

	Multi-Element Assay Results (3)						Gold Grain Count Assay Results									
Sample ID	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (ppm)	Zr (ppm)	Weight (ODM Split, kg)	Weight (ODM Feed, kg)	Gold Grain Count - Modified (ODM)	Gold Grain Count - Pristine (ODM)	Gold Grain Count - Reshaped (ODM)	Gold Grain Count - Total (ODM)	Normalized Gold Grain Count - Modified (Table feed normalized to 10kg)	Normalized Gold Grain Count - Pristine (Table feed normalized to 10kg)	Normalized Gold Grain Count - Reshaped (Table feed normalized to 10kg)	Normalized Gold Grain Count - Total (Table feed normalized to 10kg)
K518501	0.751	50.6	0.142	4.11	11.6	7.12	9.7	6.6	2	6	27	35	3.0	9.1	40.9	53.0
K518502	0.418	23.9	0.087	2.38	13.6	3.56	9.8	7.8	1	0	7	8	1.3	0.0	9.0	10.3
K518503	0.467	27.2	0.102	2.84	12.8	2.44	10.5	7.8	1	2	4	7	1.3	2.6	5.1	9.0
K518504	1.265	42.6	0.122	3.74	14.2	1.64	10.6	7	2	0	5	7	2.9	0.0	7.1	10.0
K518505	0.648	29.7	0.126	5.97	16.8	4.14	11.3	8.8	0	0	3	3	0.0	0.0	3.4	3.4
K518506	0.615	40.6	0.102	5.61	21.7	3.77	9.5	8.9	0	0	3	3	0.0	0.0	3.4	3.4
K518507	0.652	44.3	0.037	5.72	39.4	2.79	9.7	8.2	7	25	22	54	8.5	30.5	26.8	65.9
K518508	0.446	27.9	0.109	3.8	16.4	0.48	9.7	6.4	2	0	3	5	3.1	0.0	4.7	7.8
K518509							7.5	6.9	1	0	0	1	1.4	0.0	0.0	1.4
K518511	0.435	17.95	0.069	2.01	18.8	0.41	19.8	16.3	4	2	2	8	2.5	1.2	1.2	4.9
K518513	0.516	27.9	0.118	3.9	15.2	3.87	9.4	8.7	2	4	1	7	2.3	4.6	1.1	8.0
K518517	0.609	35.6	0.084	2.45	25.6	0.91	9.2	6.9	2	0	6	8	2.9	0.0	8.7	11.6
K518519	0.641	26.6	0.084	3.92	20	1.95	8.4	7.1	1	1	1	3	1.4	1.4	1.4	4.2
K518521	0.697	23.8	0.081	3.06	27.2	1.42	9.8	7.8	6	2	11	19	7.7	2.6	14.1	24.4
K518523	0.342	20.7	0.076	2.91	13	1.98	10	8.3	0	0	7	7	0.0	0.0	8.4	8.4
K518524	0.5	28.6	0.121	3.76	20	1.35	8.8	6	1	2	1	4	1.7	3.3	1.7	6.7
K518525	0.738	60.6	0.289	7.87	19.6	4.57	10	7.3	4	2	11	17	5.5	2.7	15.1	23.3
K518526	0.527	45.7	0.343	3.05	36.5	5.12	11.3	7	1	2	2	5	1.4	2.9	2.9	7.1
K518527	0.601	26.4	0.233	3.52	21.2	1.5	10.5	8.3	8	9	9	26	9.6	10.8	10.8	31.3
K518528	0.472	23.1	0.129	3.52	16.8	4.56	8.5	7.8	3	2	3	8	3.8	2.6	3.8	10.3
K518529							13.7	6.8	3	0	13	16	4.4	0.0	19.1	23.5
K518530	0.703	31.8	0.172	4.33	17.6	4.14	12.1	9.9	0	2	7	9	0.0	2.0	7.1	9.1
K518531	0.465	26.7	0.131	3.52	58.5	2.23	10.5	9.6	6	9	21	36	6.3	9.4	21.9	37.5
K518532	0.352	21.8	0.082	3.28	11	2.66	11	8.9	0	0	6	6	0.0	0.0	6.7	6.7
K518533	0.549	20.6	0.061	3.16	16.6	3.27	10.7	9.4	0	0	1	1	0.0	0.0	1.1	1.1
K518536	0.486	18.3	0.067	3.19	22.1	0.66	9	8.2	2	8	8	18	2.4	9.8	9.8	22.0
K518537	0.371	22.7	0.092	2.03	11.9	2.37	9.2	8.6	2	3	4	9	2.3	3.5	4.7	10.5
K518538	0.371	26	0.109	2.48	30	2.57	8.1	6.8	0	2	1	3	0.0	2.9	1.5	4.4
K518539	0.394	26.1	0.112	2.89	39.5	2.35	10	8	0	1	2	3	0.0	1.3	2.5	3.8
K518541	0.411	25.4	0.094	2.98	9.2	1.93	9.1	8.4	3	1	0	4	3.6	1.2	0.0	4.8
K518542	0.375	23	0.121	2.34	28.6	1.38	9.6	7.7	3	65	10	78	3.9	84.4	13.0	101.3
K518543	0.348	25.8	0.137	2.71	16.2	3.31	10.2	8.7	1	6	7	14	1.1	6.9	8.0	16.1
K518544	0.438	29.7	0.094	3.45	18	3.37	9.6	8.1	0	1	3	4	0.0	1.2	3.7	4.9
K518545	0.438	25.1	0.056	2.65	8.7	1.27	9.3	7.9	0	2	2	4	0.0	2.5	2.5	5.1
K518546	0.389	24.2	0.11	2.32	12.6	2.23	9.6	8.9	0	2	5	7	0.0	2.2	5.6	7.9
K518547	0.331	22.6	0.056	1.72	16.2	1.18	8.5	8	2	0	2	4	2.5	0.0	2.5	5.0
K518551	0.419	22.6	0.064	1.655	8.9	1.12	8.4	6.7	2	1	6	9	3.0	1.5	9.0	13.4
K518552	0.429	24.7	0.089	3.19	14.6	1.58	8.8	6.4	0	0	8	8	0.0	0.0	12.5	12.5
K518553	0.677	21.8	0.074	4.94	14.2	1.66	9.3	7.7	2	4	6	12	2.6	5.2	7.8	15.6
K518554	0.472	24.1	0.074	6.64	12.6	3.35	8.2	6.8	0	1	5	6	0.0	1.5	7.4	8.8
K518559	0.47	25.8	0.084	2.98	18.8	1.58	9.9	6.4	0	0	1	1	0.0	0.0	1.6	1.6
K518560	0.491	21.5	0.079	3.98	12.2	1.03	9.1	7.7	0	0	0	0	0.0	0.0	0.0	0.0
K518561	0.333	27.4	0.073	3.29	17.8	1.94	9.7	8.2	1	0	3	4	1.2	0.0	3.7	4.9
K518562	0.413	24.6	0.077	3.2	14.2	1.66	9	7.7	0	0	1	1	0.0	0.0	1.3	1.3
K518563	0.661	28.1	0.302	3.58	12	1.92	9.7	6.5	0	0	1	1	0.0	0.0	1.5	1.5
K518566	0.43	21.4	0.073	3.14	15.2	1.84	9.5	8	0	0	2	2	0.0	0.0	2.5	2.5
K518567	0.47	20.9	0.087	3.36	20.1	3.06	9.4	7.5	0	0	3	3	0.0	0.0	4.0	4.0
K518568	0.537	26.1	0.1	3.29	19.4	0.35	10.9	8.3	0	0	6	6	0.0	0.0	7.2	7.2
K518569	0.493	25.4	0.093	3.15	16.2	4.17	10.6	8.4	0	0	2	2	0.0	0.0	2.4	2.4
K518570	0.38	26.2	0.08	2.66	14.4	1.5	9.9	6.6	3	0	10	13	4.5	0.0	15.2	19.7
K518571	0.523	25.2	0.082	5.47	11.7	2.2	11.4	8.8	0	0	8	8	0.0	0.0	9.1	9.1
K518572	0.602	29	0.113	5.39	20.2	1.24	9.3	6.7	0	0	4	4	0.0	0.0	6.0	6.0
K518573	0.409	23.6	0.071	3.64	14.6	0.83	10.4	8.9	0	0	7	7	0.0	0.0	7.9	7.9
K518574	0.419	25.3	0.077	3.65	13.4	1.11	10.2	7.9	0	0	0	0	0.0	0.0	0.0	0.0
K518575	0.434	23.9	0.082	4.22	17.4	1.27	10.7	9.3	0	0	7	7	0.0	0.0	7.5	7.5
K518576	0.713	23.5	0.08	4.71	12.8	1.9	8.9	7	0	0	3	3	0.0	0.0	4.3	4.3
K518577	0.491	29.6	0.096	4.24	17.6	3.23	9.9	8.4	2	0	3	5	2.4	0.0	3.6	6.0
K518578	1.175	36.1	0.083	7.55	13	3.93	10.7	9	0	2	8	10	0.0	2.2	8.9	11.1
K518579	0.969	26.8	0.169	5.22	20.5	1.82	8.9	6.9	0	1	5	6	0.0	1.4	7.2	8.7
K518580	0.396	23.8	0.081	5.32	12.4	1.72	11.4	8.8	3	2	4	9	3.4	2.3	4.5	10.2
K518581	0.414	26.5	0.085	4	14.4	1.54	10.2	7.7	0	0	3	3	0.0	0.0	3.9	3.9
K518582	0.548	24.4	0.104	3.47	15.4	3.1	10.8	8.5	4	2	4	10	4.7	2.4	4.7	11.8
K518601	0.437	21.6	0.073	4.4	8.9	1.93	10.5	9	2	1	4	7	2.2	1.1	4.4	7.8
K518602	0.393	21.2	0.069	4.2	7.4	0.76	11.5	9.5	0	1	5	6	0.0	1.1	5.3	6.3
K518603	0.727	33.4	0.075	4.96	16.5	0.89	11	7.1	1	0	2	3	1.4	0.0	2.8	4.2
K518604	0.45	23.3	0.083	3.75	13.2	1.7	10.5	8.6	0	0	10	10	0.0	0.0	11.6	11.6
K518605	0.478	28.4	0.086	4.89	16.6	1.89	11.9	8.8	0	0	3	3	0.0	0.0	3.4	3.4
K518606	0.554	24.4	0.092	3.67	12	2.61	9.5	7.8	0	0	3	3	0.0	0.0	3.8	3.8

	Multi-Element Assay Results (3)						Gold Grain Count Assay Results									
Sample ID	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (ppm)	Zr (ppm)	Weight (ODM Split, kg)	Weight (ODM Feed, kg)	Gold Grain Count - Modified (ODM)	Gold Grain Count - Pristine (ODM)	Gold Grain Count - Reshaped (ODM)	Gold Grain Count - Total (ODM)	Normalized Gold Grain Count - Modified (Table feed normalized to 10kg)	Normalized Gold Grain Count - Pristine (Table feed normalized to 10kg)	Normalized Gold Grain Count - Reshaped (Table feed normalized to 10kg)	Normalized Gold Grain Count - Total (Table feed normalized to 10kg)
K518607	0.391	17.95	0.045	1.945	10.6	0.8	8.6	6.6	0	0	2	2	0.0	0.0	3.0	3.0
K518608	0.487	45.4	0.122	4.23	39.5	6.17	12.6	10.7	0	3	1	4	0.0	2.8	0.9	3.7
K518611	0.555	29	0.13	3.82	12.6	2.87	13	8.6	1	1	14	16	1.2	1.2	16.3	18.6
K518612	0.358	27.3	0.239	2.31	19.2	1.4	12.9	10.1	11	1	22	34	10.9	1.0	21.8	33.7
K518613	0.489	33.3	0.188	2.92	22.2	2.64	12.4	7.8	2	0	8	10	2.6	0.0	10.3	12.8
K518617	0.427	16.3	0.059	1.825	11.6	1.48	10.1	9.5	1	0	7	8	1.1	0.0	7.4	8.4
K518618	0.561	27.6	0.107	3.45	14	3.27	9.1	7.3	2	5	5	12	2.7	6.8	6.8	16.4
K518619	0.534	26.5	0.115	3.07	15.4	3.39	8.6	6.7	2	0	7	9	3.0	0.0	10.4	13.4
K518620	0.422	23.9	0.038	1.835	14.6	1.61	8.7	8.3	0	0	3	3	0.0	0.0	3.6	3.6
K518621	0.517	43.2	0.114	2.93	24	4.34	8.7	5.6	0	0	1	1	0.0	0.0	1.8	1.8
K518622	0.568	56.7	0.222	3.29	56.9	5.11	10.5	5.7	0	0	0	0	0.0	0.0	0.0	0.0
K518623	0.463	64.4	0.139	4.32	53.5	3.22	8.6	7.2	0	0	0	0	0.0	0.0	0.0	0.0
K518624	0.412	27.4	0.134	2.79	16.6	3.05	9.1	7.8	2	0	6	8	2.6	0.0	7.7	10.3
K518625	0.485	19.2	0.071	3.96	14.9	3.88	8.7	8.3	0	3	5	8	0.0	3.6	6.0	9.6
K518627	0.558	27.7	0.106	3.35	16.2	1.44	9.2	8.1	1	4	1	6	1.2	4.9	1.2	7.4
K518628	0.497	27.2	0.115	2.78	22.3	2.71	9.5	6.8	0	1	2	3	0.0	1.5	2.9	4.4
K518629	0.514	30.8	0.171	2.94	18	3.93	8.8	5.4	1	0	3	4	1.9	0.0	5.6	7.4
K518631	0.421	23.6	0.089	2.54	15.2	3.2	9.3	7.9	1	2	3	6	1.3	2.5	3.8	7.6
K518632	0.732	65.2	0.212	3.12	17	5.75	9.4	7.2	0	0	0	0	0.0	0.0	0.0	0.0
K518633	0.442	44.8	0.1	2.92	36.9	4.8	9.3	8	1	0	1	2	1.3	0.0	1.3	2.5
K518634	0.542	42	0.131	3.56	21	6.41	10.2	8.7	0	0	1	1	0.0	0.0	1.1	1.1
K518635	0.415	25.8	0.085	2.83	13.9	3.32	10.2	8.7	4	2	16	22	4.6	2.3	18.4	25.3
K518636	0.382	26.3	0.104	2.79	14	4.81	10.9	9.4	4	6	13	23	4.3	6.4	13.8	24.5
K518637	0.314	20.4	0.092	2.5	10.1	2.29	11.6	9	3	1	8	12	3.3	1.1	8.9	13.3
K518638	0.349	21.1	0.055	2.44	12.8	1.59	10.8	9.8	5	5	1	11	5.1	5.1	1.0	11.2
K518639	0.63	26.5	0.072	2.94	14.1	1.3	8.5	7.3	5	4	4	13	6.8	5.5	5.5	17.8
K518641	0.556	33.8	0.104	3.67	32.7	3.12	10	8.2	4	2	1	7	4.9	2.4	1.2	8.5
K518642	1.08	35.1	0.085	2.82	16.4	0.95	10.5	6.2	13	2	6	21	21.0	3.2	9.7	33.9
K518643	0.507	30.8	0.088	3.91	12.4	2.18	9.5	8.2	5	4	3	12	6.1	4.9	3.7	14.6
K518644	0.428	25.8	0.069	2.34	22.3	1.49	10.1	9.6	2	4	2	8	2.1	4.2	2.1	8.3
K518645	0.414	25.9	0.074	2.23	22.1	1.52										

Appendix E – ALS Laboratories Lab Certificates

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 24-SEP-2024
Account: HASCAN

SD24240111

Project: NOR

P.O. No.: 4500895030

This report is for 14 samples of Rock submitted to our lab in Sudbury, ON, Canada on 30-AUG-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

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-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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North Vancouver BC V7H 0A7
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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 24-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

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
K518006		1.57	50.7	16.70	11.60	7.44	4.14	3.27	1.60	0.008	1.67	0.15	0.06	0.46	0.06	0.47
K518007		1.60	64.4	15.85	5.05	0.70	0.35	4.11	6.59	0.012	0.44	0.02	0.07	0.32	0.40	1.04
K518008		1.09	57.4	17.00	8.38	1.40	1.94	4.85	5.53	0.008	0.79	0.10	0.09	0.71	0.29	1.81
K518009		1.85	64.4	14.75	5.08	1.86	1.41	4.03	6.19	0.014	0.51	0.11	0.10	0.39	0.45	2.64
K518010		0.06	64.7	14.90	5.38	3.66	2.35	2.64	3.95	0.011	0.80	0.07	0.04	0.24	0.12	0.89
K518011		1.71	62.5	14.80	3.87	3.35	0.79	5.34	4.81	0.009	0.37	0.11	0.07	0.24	0.20	2.93
K518012		1.80	50.4	15.75	12.30	7.62	4.66	3.13	1.76	0.009	1.78	0.17	0.06	0.49	0.06	0.44
K518013		1.15	63.9	14.75	4.36	2.28	1.02	6.11	2.95	0.013	0.36	0.08	0.09	0.16	0.23	2.28
K518105		1.71	46.9	16.10	14.75	3.86	8.00	3.11	2.10	0.033	0.98	0.24	0.07	0.10	0.13	3.83
K518106		1.82	63.8	16.90	3.83	2.64	1.90	4.65	2.51	0.012	0.89	0.05	0.06	0.21	0.12	1.76
K518261		0.85	64.7	17.85	4.42	0.35	0.94	0.24	7.53	0.016	0.69	0.03	0.02	0.16	0.16	2.89
K518264		1.95	61.6	15.45	8.62	1.23	1.22	3.60	5.42	0.024	0.68	0.07	0.07	0.53	0.34	1.78
K518752		1.97	59.6	14.55	4.12	2.34	1.99	5.08	4.57	0.011	0.36	0.08	0.08	0.24	0.27	1.95
K518753		1.34	62.2	14.35	4.69	2.93	1.36	4.85	4.75	0.012	0.41	0.09	0.10	0.20	0.36	2.38

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 24-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

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
K518006		98.33	515	56.3	70	1.08	7.30	4.25	1.96	24.1	8.41	6.66	1.51	23.7	0.58	8.33
K518007		99.35	3690	148.5	97	6.91	4.10	1.86	2.56	24.3	7.93	7.57	0.77	75.5	0.21	10.65
K518008		100.30	2620	223	65	31.0	6.47	2.92	4.07	27.5	11.70	9.34	1.12	120.5	0.36	12.90
K518009		101.93	4040	186.0	113	7.04	5.08	2.17	3.25	23.4	9.43	7.98	0.85	93.6	0.23	13.70
K518010		99.75	1095	80.0	93	14.85	5.26	3.18	1.38	20.9	6.19	8.52	1.09	40.1	0.47	20.9
K518011		99.39	1730	134.0	71	1.41	2.86	1.46	1.87	22.6	5.37	7.54	0.52	73.1	0.22	11.60
K518012		98.63	533	50.3	78	1.18	7.25	4.26	2.12	24.1	8.14	5.30	1.50	20.4	0.52	7.73
K518013		98.58	2060	94.4	101	3.56	2.19	1.10	1.68	21.7	4.10	3.93	0.43	41.9	0.14	6.18
K518105		100.20	1185	14.9	266	1.68	3.37	2.23	0.65	17.6	2.98	2.04	0.74	6.0	0.33	4.17
K518106		99.33	1105	39.4	97	3.35	3.18	1.89	1.19	23.3	3.87	4.34	0.67	20.1	0.26	7.82
K518261		100.00	1490	18.2	136	27.7	1.82	1.24	0.50	22.6	1.76	4.01	0.37	6.0	0.18	5.76
K518264		100.63	3060	180.5	195	19.45	4.84	2.46	2.89	24.2	8.69	5.56	0.92	113.5	0.30	8.62
K518752		95.24	2460	147.0	91	3.78	3.82	1.44	2.55	22.6	7.36	6.71	0.63	78.9	0.19	11.40
K518753		98.68	3360	138.0	96	2.34	3.40	1.44	2.28	22.5	6.31	5.74	0.57	73.4	0.17	8.07

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 24-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

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
K518006		35.7	7.91	63.0	7.91	1.7	468	0.5	1.33	4.11	0.28	0.58	1.14	236	0.7	39.0
K518007		63.4	17.00	234	10.85	1.8	581	0.6	0.89	14.30	2.15	0.25	1.45	97	16.0	21.0
K518008		95.1	25.3	311	16.35	2.4	704	0.6	1.36	14.10	3.20	0.39	1.88	166	20.6	32.2
K518009		80.0	21.6	204	13.85	2.1	835	0.7	1.06	24.0	2.42	0.29	4.05	90	8.4	24.3
K518010		33.8	9.23	236	6.58	4.0	301	1.6	0.97	20.5	1.08	0.47	6.68	132	3.4	29.8
K518011		51.0	14.60	108.5	8.37	1.6	464	0.6	0.66	17.80	0.72	0.22	5.42	48	5.3	14.8
K518012		33.2	7.45	65.0	7.80	1.7	447	0.4	1.31	1.98	0.31	0.62	1.54	241	0.5	40.8
K518013		39.9	10.95	68.7	6.80	1.7	725	0.3	0.52	7.87	0.64	0.15	1.77	70	4.0	12.3
K518105		9.2	2.07	98.4	2.39	0.7	447	0.3	0.55	1.14	1.04	0.33	0.24	316	1.7	18.6
K518106		18.6	4.81	118.5	3.87	1.0	514	0.5	0.53	2.37	1.08	0.29	1.37	141	3.0	17.8
K518261		6.6	1.64	306	1.55	2.2	111.0	0.5	0.29	2.76	3.18	0.18	1.33	124	9.3	10.2
K518264		69.3	19.40	200	11.90	2.6	597	0.4	1.07	13.55	2.24	0.34	1.94	151	66.8	24.9
K518752		65.1	17.35	131.5	10.65	1.6	728	0.6	0.90	25.2	0.84	0.20	3.22	77	2.3	17.9
K518753		56.8	15.75	108.5	9.30	1.3	856	0.5	0.74	12.25	0.91	0.21	2.80	80	3.0	15.8

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Finalized Date: 24-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

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
K518006		3.61	267	0.04	8.60	0.7	520	1.75	0.03	5.19	0.14	64.2	34.4	52	1.22	45.8
K518007		1.54	299	0.03	8.23	3.3	3500	3.23	0.15	0.50	0.03	158.0	8.7	69	7.78	26.5
K518008		2.42	371	0.18	8.70	1.9	2520	3.94	1.12	0.94	0.14	274	19.8	48	40.1	9.8
K518009		1.84	271	0.09	7.39	2.5	3770	3.63	0.89	1.24	0.15	200	10.8	78	7.87	25.5
K518010		3.12	322	0.04	7.18	16.6	1040	3.30	0.13	2.46	0.08	71.5	13.0	67	16.65	45.1
K518011		1.45	302	0.07	7.07	2.0	1820	2.48	0.12	2.36	0.09	137.0	8.2	55	1.82	17.8
K518012		3.70	214	0.03	7.92	1.0	510	1.64	0.03	5.03	0.13	53.1	39.9	53	1.34	44.4
K518013		0.96	153	0.11	7.46	2.0	2060	2.85	0.13	1.67	0.11	96.5	9.9	74	4.01	193.0
K518105		2.17	81	0.10	7.39	6.8	1110	0.61	0.07	2.55	0.02	12.75	39.6	186	1.60	58.1
K518106		1.74	180	0.02	8.29	4.1	1080	1.33	0.10	1.75	0.05	38.9	5.9	72	3.78	16.8
K518261		1.20	161	0.05	9.02	65.0	1440	9.59	0.05	0.23	0.03	18.25	14.4	100	32.3	29.2
K518264		2.33	221	0.08	8.00	5.0	2960	4.08	0.10	0.84	0.07	199.5	17.8	146	24.3	47.1
K518752		1.26	243	0.09	7.20	2.2	2360	4.33	0.31	1.64	0.03	135.0	10.0	62	3.96	27.1
K518753		1.30	219	0.09	7.03	2.5	3100	2.59	0.13	2.00	0.14	135.5	11.6	68	2.53	36.8

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Finalized Date: 24-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

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
K518006		7.90	23.5	0.15	2.4	0.108	1.30	26.2	13.5	2.47	1180	1.64	2.55	8.6	51.5	2060
K518007		3.28	23.3	0.17	5.7	0.037	5.16	78.6	18.9	0.19	184	0.83	3.02	2.5	37.6	1360
K518008		5.43	29.6	0.28	8.7	0.090	4.44	123.5	42.6	1.08	731	0.77	3.71	3.4	47.9	2970
K518009		3.15	22.7	0.20	7.2	0.040	4.69	94.7	16.2	0.76	821	0.88	2.88	4.4	47.8	1560
K518010		3.44	19.30	0.12	3.0	0.047	3.14	31.9	37.5	1.27	510	3.34	1.99	22.1	39.6	950
K518011		2.46	24.2	0.18	7.3	0.029	3.90	64.9	8.0	0.40	827	5.12	4.06	9.8	23.8	1020
K518012		7.94	24.3	0.16	1.9	0.092	1.39	20.9	12.0	2.59	1170	1.26	2.33	7.9	62.2	2010
K518013		2.97	20.6	0.14	3.5	0.039	2.48	41.3	11.7	0.60	661	3.41	4.68	3.2	38.5	720
K518105		9.26	16.75	0.11	2.2	0.028	1.58	4.6	41.7	4.38	1725	0.15	2.33	4.3	113.0	410
K518106		2.47	22.7	0.09	4.4	0.019	2.06	18.5	27.7	1.06	385	6.58	3.51	7.9	38.5	870
K518261		2.86	22.0	0.06	3.9	0.127	4.41	4.9	65.1	0.51	219	0.62	0.26	5.9	46.2	650
K518264		5.60	24.9	0.21	5.5	0.109	4.46	121.0	50.1	0.68	494	1.22	2.63	1.9	55.1	2220
K518752		2.73	20.9	0.16	4.8	0.029	3.77	68.3	16.0	1.07	589	2.49	3.78	10.0	33.5	1040
K518753		2.92	21.3	0.18	4.8	0.033	3.81	65.6	12.2	0.73	656	3.25	3.50	5.3	43.2	810

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Finalized Date: 24-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

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
K518006		8.4	58.7	<0.002	0.15	0.06	22.0	1	1.6	477	0.51	<0.05	4.46	1.005	0.31	1.2
K518007		6.4	219	<0.002	0.08	1.40	7.3	<1	1.5	550	0.13	<0.05	15.40	0.081	2.45	1.5
K518008		60.4	346	<0.002	0.04	1.13	16.1	<1	2.2	665	0.20	<0.05	16.90	0.185	3.72	2.1
K518009		18.4	190.0	<0.002	0.09	1.36	7.3	<1	1.6	789	0.23	<0.05	25.8	0.112	2.58	3.8
K518010		22.2	201	<0.002	0.07	0.53	11.3	1	4.2	283	1.62	<0.05	19.95	0.469	1.18	5.6
K518011		27.2	117.0	<0.002	0.06	1.78	5.8	<1	1.4	480	0.51	<0.05	18.50	0.150	0.94	5.0
K518012		8.8	55.9	<0.002	0.14	0.06	24.5	1	1.6	438	0.48	<0.05	1.86	1.025	0.30	1.6
K518013		15.3	72.3	0.002	0.07	0.50	6.5	<1	1.1	710	0.16	<0.05	8.12	0.122	0.70	1.8
K518105		8.7	52.1	<0.002	0.06	0.73	33.0	1	0.6	437	0.30	<0.05	0.90	0.570	1.16	0.3
K518106		13.5	111.0	0.003	0.01	0.39	14.7	<1	0.9	481	0.58	<0.05	2.40	0.514	1.22	1.5
K518261		10.6	207	<0.002	0.01	1.86	17.8	<1	2.1	107.0	0.51	<0.05	2.85	0.391	3.53	1.5
K518264		13.6	214	<0.002	0.08	3.54	20.1	<1	2.3	575	0.11	<0.05	14.50	0.154	2.43	2.0
K518752		14.2	127.0	<0.002	0.04	0.36	6.0	<1	1.3	692	0.57	<0.05	25.7	0.199	0.80	3.0
K518753		30.7	107.0	0.002	0.06	0.50	7.6	1	0.9	792	0.32	<0.05	11.65	0.154	0.96	2.5

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Finalized Date: 24-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	C-IR07	S-IR08	Au-ICP22
	Analyte	V	W	Y	Zn	Zr	Hg	C	S	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOD	1	0.1	0.1	2	0.5	0.005	0.01	0.01	0.001
K518006		191	0.3	39.6	128	83.4	<0.005	0.09	0.16	0.001
K518007		77	8.0	12.5	29	220	<0.005	0.09	0.07	0.001
K518008		132	10.6	24.5	136	316	0.005	0.27	0.04	0.003
K518009		68	3.7	19.0	71	247	0.011	0.62	0.09	0.005
K518010		107	3.0	25.9	69	98.2	<0.005	0.06	0.07	0.003
K518011		41	3.7	14.5	60	288	<0.005	0.70	0.06	0.001
K518012		190	0.3	40.7	117	65.5	<0.005	0.10	0.14	<0.001
K518013		58	2.2	11.4	63	131.5	<0.005	0.52	0.07	0.042
K518105		258	1.2	17.4	227	77.9	<0.005	0.02	0.06	0.001
K518106		117	2.5	17.6	70	172.5	<0.005	0.01	0.01	0.009
K518261		100	4.5	7.9	55	151.5	<0.005	0.11	0.01	0.022
K518264		121	33.6	17.8	74	218	<0.005	0.24	0.08	0.010
K518752		61	1.6	16.2	80	159.5	<0.005	0.37	0.04	0.008
K518753		60	1.5	15.0	121	189.0	<0.005	0.54	0.05	0.012

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Project: NOR

CERTIFICATE OF ANALYSIS SD24240111

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 Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, 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-ICP22	C-IR07	Hg-MS42	ME-ICP06
ME-MS61	ME-MS81	OA-GRA05	S-IR08
TOT-ICP06	TRSPEC-20		

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To: **BARRICK GOLD INC.**
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Finalized Date: 24-JUN-2024
Account: HASCAN

SD24155172

Project: 24NOR.WR.00002

P.O. No.: 4500895030

This report is for 8 samples of Rock submitted to our lab in Sudbury, ON, Canada on 11-JUN-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

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-WC	Surcharge for Crushing Whole Core
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-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: 24-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00002

CERTIFICATE OF ANALYSIS SD24155172

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
K518065		1.83	48.2	13.85	14.30	9.08	7.73	2.38	0.64	0.020	0.69	0.21	0.02	0.05	0.01	0.98
K518180		1.15	49.0	16.95	12.25	7.82	4.73	3.24	1.64	0.008	1.72	0.15	0.06	0.49	0.06	0.22
K518195		0.12	63.5	15.40	5.47	3.70	2.42	2.60	3.86	0.011	0.80	0.07	0.04	0.24	0.12	0.83
K518306		1.40	66.9	16.80	2.62	2.10	2.38	1.37	3.72	<0.002	0.18	0.04	0.03	0.05	0.08	2.52
K518307		1.12	68.7	15.60	2.68	2.44	1.17	5.26	1.94	<0.002	0.33	0.03	0.09	0.13	0.09	1.62
K518751		1.35	71.0	14.35	2.38	1.23	1.08	5.38	2.37	0.005	0.20	0.03	0.04	0.08	0.05	0.83
K518066		1.83	63.7	15.80	3.90	1.72	1.60	5.08	4.65	0.008	0.30	0.06	0.09	0.18	0.13	0.93
K518067		1.91	58.1	14.30	5.66	7.22	4.42	4.16	3.22	0.012	0.78	0.09	0.20	0.40	0.13	0.79

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

ALS Canada Ltd.
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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 24-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00002

CERTIFICATE OF ANALYSIS SD24155172

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
K518065		98.16	132.5	8.8	151	0.74	3.31	2.02	0.71	17.4	2.48	1.49	0.74	3.6	0.30	2.73
K518180		98.34	486	55.1	63	1.02	7.07	3.83	2.00	24.2	7.43	5.30	1.35	23.3	0.51	7.84
K518195		99.06	1075	81.3	80	15.15	5.27	3.00	1.31	20.0	5.73	8.19	1.04	40.9	0.46	19.95
K518306		98.79	673	14.7	14	2.09	0.55	0.25	0.40	21.5	0.77	2.37	0.11	7.1	0.03	1.09
K518307		100.08	742	38.6	18	0.55	1.05	0.40	0.79	23.1	2.10	3.27	0.20	18.2	0.06	2.86
K518751		99.03	444	27.6	38	0.71	0.76	0.38	0.54	22.0	1.40	3.03	0.14	13.5	0.04	2.44
K518066		98.15	1155	56.2	58	2.97	1.91	1.05	1.03	20.7	2.87	6.45	0.40	29.9	0.22	6.56
K518067		99.48	1205	115.5	86	0.70	3.24	1.28	2.52	22.3	6.48	6.91	0.60	50.5	0.14	11.15

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Project: 24NOR.WR.00002

CERTIFICATE OF ANALYSIS SD24155172

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
K518065		6.4	1.32	27.0	2.08	1.1	208	0.1	0.48	0.30	0.11	0.36	0.07	297	0.6	18.6
K518180		33.7	7.65	56.8	8.84	1.4	506	0.4	1.22	2.57	0.23	0.58	0.96	223	0.5	38.1
K518195		35.3	9.53	236	7.17	4.5	306	1.6	0.91	21.7	1.04	0.46	7.11	124	6.2	29.0
K518306		5.6	1.52	115.0	1.19	<0.5	235	0.1	0.10	0.98	0.50	0.03	0.25	28	1.1	3.1
K518307		19.6	4.88	36.5	3.74	0.7	806	0.2	0.27	3.50	0.18	0.07	1.03	38	<0.5	4.8
K518751		11.8	3.11	51.1	2.47	0.6	325	0.2	0.16	3.13	0.25	0.06	1.06	31	0.9	4.2
K518066		22.7	6.46	116.0	4.02	1.2	757	0.5	0.38	10.00	0.55	0.16	2.11	58	9.2	10.5
K518067		58.0	14.95	83.7	11.20	1.1	1800	0.7	0.74	8.03	0.53	0.16	2.58	109	0.6	15.1

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Project: 24NOR.WR.00002

CERTIFICATE OF ANALYSIS SD24155172

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
K518065		2.15	49	0.10	6.82	1.3	130	0.27	0.06	6.14	0.10	7.83	55.2	108	0.70	139.0
K518180		3.46	216	0.04	8.71	0.8	520	1.69	0.02	5.41	0.12	58.0	37.8	53	1.03	46.2
K518195		2.95	309	0.04	7.18	17.8	1060	3.41	0.12	2.51	0.09	70.0	12.9	70	16.05	43.3
K518306		0.28	81	0.03	7.83	1.1	680	0.80	0.02	1.36	0.10	13.65	4.7	11	1.99	6.3
K518307		0.31	111	0.03	7.40	<0.2	780	1.28	0.05	1.73	0.06	37.5	7.1	15	0.56	14.0
K518751		0.33	103	0.03	6.63	0.7	470	1.31	0.10	0.79	0.03	26.4	5.3	34	0.72	7.9
K518066		1.12	270	0.05	7.34	0.7	1160	4.68	0.25	1.13	0.04	57.7	8.4	53	3.10	38.8
K518067		0.94	267	<0.01	7.19	0.6	1230	4.79	0.18	4.99	0.07	119.0	20.1	69	0.69	3.2

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CERTIFICATE OF ANALYSIS SD24155172

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
K518065		9.72	15.40	0.09	0.9	0.063	0.53	3.2	13.0	4.38	1650	0.96	1.84	2.3	80.4	200
K518180		8.13	21.3	0.17	1.9	0.095	1.38	25.6	12.5	2.74	1170	0.79	2.47	8.2	59.2	2100
K518195		3.55	17.85	0.16	2.8	0.059	3.21	34.5	38.0	1.33	522	2.91	1.95	20.5	38.6	990
K518306		1.70	19.60	0.08	2.0	0.014	3.16	6.0	29.0	1.37	333	0.36	1.03	1.1	9.3	220
K518307		1.78	21.3	0.12	3.0	0.027	1.58	17.9	16.1	0.68	256	0.45	3.90	3.1	10.6	590
K518751		1.54	20.4	0.08	2.3	0.017	2.03	13.7	5.6	0.63	248	0.72	4.15	2.7	17.8	330
K518066		2.50	19.10	0.14	3.2	0.025	4.02	32.8	8.2	0.94	451	1.53	3.94	6.7	14.7	810
K518067		3.80	19.75	0.21	6.6	0.036	2.78	53.7	2.0	2.59	723	0.62	3.20	12.0	98.4	1700

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CERTIFICATE OF ANALYSIS SD24155172

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
K518065		3.0	23.0	0.002	0.07	0.35	40.8	1	0.9	201	0.12	0.05	0.26	0.408	0.11	0.1
K518180		7.7	58.3	<0.002	0.16	0.07	23.7	<1	1.7	504	0.46	<0.05	2.80	1.055	0.27	0.9
K518195		21.8	189.5	<0.002	0.06	0.56	11.1	<1	3.9	283	1.54	<0.05	18.80	0.473	1.13	5.7
K518306		4.2	104.5	<0.002	<0.01	0.08	2.7	<1	0.3	212	0.08	<0.05	0.95	0.100	0.54	0.2
K518307		10.2	35.7	<0.002	0.02	<0.05	3.9	<1	0.7	775	0.22	<0.05	3.42	0.194	0.19	1.0
K518751		8.9	51.6	<0.002	<0.01	0.07	3.5	<1	0.6	299	0.19	<0.05	3.25	0.129	0.27	1.1
K518066		21.6	120.5	<0.002	0.01	0.13	5.4	<1	1.1	706	0.42	<0.05	10.35	0.182	0.55	2.1
K518067		14.3	88.2	<0.002	<0.01	0.16	8.9	<1	1.1	1715	0.70	<0.05	8.16	0.478	0.49	2.6

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Project: 24NOR.WR.00002

CERTIFICATE OF ANALYSIS SD24155172

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	C-IR07	S-IR08	Au-ICP22
	Analyte	V	W	Y	Zn	Zr	Hg	C	S	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOD	1	0.1	0.1	2	0.5	0.005	0.01	0.01	0.001
K518065		253	0.2	17.9	100	23.9	<0.005	0.04	0.08	0.001
K518180		203	0.2	37.6	121	62.5	<0.005	0.07	0.16	<0.001
K518195		109	3.9	25.5	70	90.5	<0.005	0.07	0.07	0.001
K518306		23	0.4	2.5	60	72.3	<0.005	0.04	0.01	<0.001
K518307		36	0.1	4.8	48	113.5	<0.005	0.17	0.02	<0.001
K518751		29	0.3	3.8	42	64.7	<0.005	0.13	0.01	<0.001
K518066		52	0.2	11.2	48	110.5	<0.005	0.21	0.01	<0.001
K518067		101	0.3	15.5	87	262	<0.005	0.08	0.01	0.002

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Finalized Date: 24-JUN-2024
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Project: 24NOR.WR.00002

CERTIFICATE OF ANALYSIS SD24155172

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 Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	CRU-WC	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-ICP22	C-IR07	Hg-MS42	ME-ICP06
ME-MS61	ME-MS81	OA-GRA05	S-IR08
TOT-ICP06	TRSPEC-20		

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To: **BARRICK GOLD INC.**
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Finalized Date: 24-JUN-2024
Account: HASCAN

SD24155179

Project: 24NOR.R.00002

P.O. No.: 4500895030

This report is for 53 samples of Rock submitted to our lab in Sudbury, ON, Canada on 11-JUN-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

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-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
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-MS61	48 element four acid ICP-MS	
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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CERTIFICATE OF ANALYSIS SD24155179

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K518057		4.04	0.09	4.77	1.4	400	0.54	0.05	4.75	0.05	12.50	19.1	163	0.15	120.0	3.66
K518058		2.05	0.06	7.25	2.4	790	1.51	0.08	4.65	0.07	47.3	16.9	88	0.21	32.6	7.16
K518059		3.65	0.01	7.16	0.2	570	0.85	0.05	1.05	0.02	19.85	2.9	10	0.58	9.6	1.32
K518060		0.78	0.01	0.33	<0.2	140	<0.05	0.04	0.07	<0.02	1.65	1.0	35	0.06	20.2	0.63
K518061		1.11	<0.01	7.26	0.3	200	1.16	0.04	3.05	0.10	40.9	29.6	4	0.15	19.2	9.02
K518062		1.10	0.09	7.17	1.1	70	0.72	0.34	9.29	0.20	19.75	35.6	37	0.22	109.5	13.20
K518063		0.97	0.02	0.25	0.9	10	<0.05	0.02	0.28	0.03	0.48	1.6	33	0.10	207	0.91
K518064		0.64	0.01	8.27	0.3	510	2.10	0.02	5.07	0.11	52.2	31.2	38	0.94	43.1	6.91
K518163		Not Recvd														
K518176		Not Recvd														
K518189		0.98	0.09	8.14	<0.2	240	0.28	0.01	4.50	0.11	6.73	43.8	286	0.33	53.6	7.52
K518190		1.93	0.03	8.16	0.5	200	0.34	0.02	5.72	0.08	9.52	43.0	246	0.59	72.9	7.30
K518191		1.15	0.09	6.09	0.2	50	0.29	0.09	7.08	0.24	8.79	53.4	571	0.20	85.1	12.70
K518192		0.88	0.16	6.62	0.7	170	0.39	0.69	2.84	0.28	9.19	18.3	483	0.36	75.7	4.24
K518194		0.90	0.01	7.28	<0.2	790	0.98	0.10	0.94	<0.02	49.5	12.6	57	0.50	19.2	2.40
K518197		0.12	0.32	7.18	57.4	130	0.41	0.04	6.93	0.64	13.40	42.8	103	0.87	181.5	7.39
K518211		Not Recvd														
K518301		1.55	0.11	6.43	1.1	540	0.78	0.12	2.67	0.07	7.17	32.7	223	0.15	82.0	8.63
K518302		2.28	0.12	8.00	0.5	340	0.40	0.04	6.53	0.07	4.84	41.5	339	0.33	405	7.63
K518303		2.73	0.08	7.91	0.3	610	0.55	0.08	1.95	0.04	4.50	34.1	235	0.19	99.3	2.92
K518304		1.28	0.01	6.68	<0.2	440	0.95	0.07	2.70	0.05	74.1	18.0	129	0.18	6.7	2.50
K518305		1.13	0.01	7.61	1.0	250	0.48	0.07	4.96	0.11	6.54	18.6	250	0.30	19.8	6.72
K518308		1.75	0.01	7.44	0.4	390	0.71	0.08	3.48	0.08	4.44	8.9	193	0.27	15.2	3.43
K518309		0.81	0.04	7.57	3.4	560	0.83	0.12	0.86	0.05	16.45	4.6	34	0.91	13.0	1.76
K518310		0.51	0.02	7.05	1.9	470	0.80	0.06	0.62	0.03	10.45	5.6	30	0.60	11.7	1.97
K518312		0.63	0.01	7.88	2.5	390	0.84	0.05	0.65	0.03	11.10	5.0	19	0.76	13.1	1.86
K518313		1.61	0.01	8.25	1.0	200	0.43	0.12	6.01	0.08	2.94	41.7	250	0.43	35.2	5.45
K518314		1.31	0.07	7.71	0.3	90	0.35	0.29	7.59	0.15	11.35	50.3	111	0.29	144.0	10.15
K518315		0.37	0.02	6.51	1.1	940	0.73	0.07	1.19	0.04	10.65	11.6	45	0.88	30.4	2.60
K518316		1.12	0.03	8.31	1.4	520	1.85	0.03	5.07	0.14	54.0	34.6	47	1.36	35.1	7.52
K518317		0.44	0.01	6.43	0.6	610	1.49	0.07	3.99	0.09	62.5	27.2	264	0.36	12.5	4.54
K518318		2.04	0.01	7.08	0.6	670	0.94	0.04	1.43	0.03	26.0	5.1	15	0.34	16.2	1.59
K518319		1.33	0.01	7.20	0.9	500	0.92	0.09	1.03	<0.02	34.3	7.1	26	0.45	5.5	1.84
K518320		1.39	0.02	3.93	1.0	220	0.31	0.20	1.34	0.03	7.70	5.2	34	0.41	33.8	1.70
K518321		0.89	0.01	7.25	0.9	370	0.46	0.05	1.29	0.02	10.45	7.2	22	1.15	5.5	2.02
K518322		0.63	0.03	8.75	0.8	1020	0.90	0.07	1.08	0.02	10.75	8.1	30	1.31	24.2	1.57
K518323		0.89	0.05	3.94	0.5	380	0.63	0.12	1.01	0.02	20.5	4.3	28	0.71	10.0	1.32
K518324		1.22	0.08	7.49	1.0	70	0.31	0.15	6.30	0.09	8.94	55.0	62	0.70	131.5	10.05
K518325		1.74	2.89	1.41	0.4	30	0.16	0.02	0.81	0.02	8.96	6.8	44	0.10	36.3	2.05
K518326		1.23	0.06	6.65	0.3	100	0.45	0.05	3.91	0.07	14.00	41.2	105	0.43	96.3	8.94

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

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TORONTO ON M5J 2S1

Finalized Date: 24-JUN-2024
Account: HASCAN

Project: 24NOR.R.00002

CERTIFICATE OF ANALYSIS SD24155179

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K518057		7.66	0.05	0.6	<0.005	0.028	1.43	5.6	1.9	0.78	882	3.28	2.36	1.3	21.1	420
K518058		16.25	0.11	1.7	<0.005	0.069	2.04	22.6	2.7	1.57	1405	54.2	2.90	2.3	13.4	2270
K518059		20.4	0.05	2.0	<0.005	0.014	1.96	11.1	6.5	0.37	158	0.81	3.92	1.7	4.3	270
K518060		0.84	<0.05	0.1	<0.005	<0.005	0.20	0.8	0.9	0.04	66	2.49	0.11	0.1	2.4	30
K518061		22.0	0.10	2.6	<0.005	0.072	0.41	18.0	8.6	2.06	998	0.58	4.58	8.7	5.2	1230
K518062		24.8	0.10	1.9	<0.005	0.129	0.34	8.4	3.7	1.15	2510	2.40	0.36	4.7	29.5	800
K518063		0.77	<0.05	<0.1	<0.005	<0.005	0.02	<0.5	1.5	0.06	109	2.25	0.11	0.1	1.5	30
K518064		25.3	0.11	2.1	<0.005	0.100	1.31	21.4	17.5	2.21	1045	0.98	2.52	11.4	37.1	1830
K518163																
K518176																
K518189		15.60	0.06	0.8	<0.005	0.055	0.52	2.3	30.5	4.87	1455	0.17	2.56	2.0	181.5	280
K518190		16.55	0.07	1.0	<0.005	0.061	0.56	3.4	18.7	3.16	1280	0.53	1.95	2.6	164.5	370
K518191		14.55	0.08	0.9	<0.005	0.076	0.23	3.3	12.6	4.04	3410	0.56	0.75	2.9	262	390
K518192		12.25	<0.05	1.9	<0.005	0.113	0.66	4.2	13.4	2.91	799	1.78	3.02	2.4	138.5	270
K518194		21.5	0.07	3.0	<0.005	0.020	1.38	24.8	15.9	1.73	328	0.59	3.97	2.4	40.5	760
K518197		15.90	0.06	1.6	0.036	0.076	0.45	5.9	12.1	3.52	1255	1.38	1.59	3.4	88.5	430
K518211																
K518301		13.65	0.07	0.9	<0.005	0.027	1.38	3.9	1.9	0.81	903	1.60	3.33	1.4	31.6	200
K518302		14.90	0.07	0.8	<0.005	0.054	1.48	3.0	23.0	3.95	1250	2.08	1.32	0.8	63.2	150
K518303		12.00	0.05	0.6	<0.005	0.030	2.20	2.2	2.3	0.65	760	3.65	4.60	1.0	28.5	170
K518304		15.65	0.11	3.2	<0.005	0.024	1.35	32.5	3.2	2.52	456	0.18	4.34	3.7	120.5	1380
K518305		14.25	0.05	0.7	<0.005	0.057	1.08	2.9	2.8	1.11	2040	0.39	3.53	0.9	20.7	200
K518308		13.20	<0.05	0.6	<0.005	0.037	1.29	2.3	1.8	0.74	1290	1.50	4.22	0.8	18.1	160
K518309		18.45	<0.05	1.8	<0.005	0.033	2.56	7.9	10.7	0.77	252	0.54	2.59	2.8	12.4	370
K518310		20.4	<0.05	1.6	<0.005	0.020	2.24	4.6	11.6	0.68	329	0.59	3.28	1.8	9.9	280
K518312		19.35	<0.05	1.8	<0.005	0.020	2.22	4.6	12.9	0.70	326	0.76	3.78	2.7	8.2	290
K518313		16.80	0.05	1.3	<0.005	0.054	0.71	1.2	7.1	0.95	1990	0.53	3.16	0.8	59.2	230
K518314		19.15	0.07	0.5	<0.005	0.086	0.30	3.9	12.3	3.74	1455	0.72	1.09	2.9	93.8	430
K518315		15.25	0.10	2.3	<0.005	0.031	1.71	4.4	17.1	1.97	346	5.93	2.86	1.4	37.0	420
K518316		21.3	0.17	1.9	<0.005	0.099	1.39	22.8	14.0	2.52	1135	0.79	2.42	7.9	52.2	1970
K518317		16.85	0.15	3.8	<0.005	0.050	0.76	27.4	10.5	4.65	786	0.49	3.33	4.5	217	1250
K518318		20.1	0.11	2.8	<0.005	0.021	0.98	12.4	5.4	0.53	205	0.70	4.44	2.0	7.3	450
K518319		20.5	0.12	3.0	<0.005	0.025	1.32	17.0	8.8	0.72	202	0.88	4.29	1.8	14.0	580
K518320		8.07	0.07	0.7	<0.005	0.019	1.20	3.9	12.1	1.07	242	3.85	0.64	0.8	13.1	150
K518321		17.00	0.09	1.6	<0.005	0.022	3.30	4.3	19.4	1.35	278	0.63	0.27	1.4	14.1	270
K518322		21.5	0.10	1.9	<0.005	0.023	4.89	5.4	15.7	0.77	166	4.20	0.86	1.8	17.5	300
K518323		9.12	0.08	0.8	<0.005	0.016	1.58	10.9	9.3	0.56	170	7.84	0.64	0.6	8.3	140
K518324		16.35	0.14	1.1	<0.005	0.069	0.38	3.3	20.7	4.49	1765	1.15	1.69	2.6	96.5	350
K518325		4.97	0.07	0.6	<0.005	0.009	0.24	5.7	2.4	0.44	202	2.81	0.81	0.8	9.2	90
K518326		20.6	0.11	1.5	<0.005	0.066	0.57	6.5	18.6	3.28	1160	0.86	2.35	2.9	57.5	380

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Finalized Date: 24-JUN-2024
Account: HASCAN

Project: 24NOR.R.00002

CERTIFICATE OF ANALYSIS SD24155179

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
K518057		4.7	38.2	<0.002	1.15	0.27	20.6	2	0.6	265	0.06	0.07	0.54	0.197	0.16	0.4
K518058		8.8	51.7	0.011	1.08	0.12	24.6	2	0.8	890	0.14	0.06	2.07	0.370	0.22	0.8
K518059		4.3	49.7	<0.002	0.03	<0.05	2.1	<1	0.4	420	0.13	<0.05	1.36	0.110	0.20	0.4
K518060		0.7	4.3	<0.002	0.01	<0.05	0.3	<1	<0.2	14.8	<0.05	<0.05	0.13	0.008	0.03	<0.1
K518061		3.2	8.3	<0.002	0.04	<0.05	31.4	<1	1.0	155.0	0.51	<0.05	1.70	0.844	0.05	0.5
K518062		4.0	7.4	0.003	0.43	<0.05	40.3	2	1.2	93.8	0.30	<0.05	0.62	1.035	0.04	0.2
K518063		0.7	1.0	<0.002	0.04	<0.05	0.7	<1	<0.2	4.4	<0.05	<0.05	0.02	0.032	<0.02	<0.1
K518064		7.4	44.3	<0.002	0.16	<0.05	22.0	1	1.6	515	0.54	<0.05	2.32	0.853	0.32	1.1
K518163																
K518176																
K518189		1.9	14.9	<0.002	0.01	<0.05	33.3	<1	0.5	113.0	0.12	<0.05	0.26	0.425	0.07	0.1
K518190		1.6	12.2	<0.002	0.23	<0.05	31.0	<1	0.5	200	0.16	<0.05	0.35	0.474	0.14	0.1
K518191		4.4	4.7	<0.002	0.38	<0.05	34.0	1	0.8	71.8	0.17	0.11	0.41	0.457	0.05	0.1
K518192		14.6	16.9	0.002	0.33	<0.05	17.0	2	1.4	215	0.17	0.27	1.45	0.229	0.16	0.5
K518194		4.0	31.4	<0.002	0.09	<0.05	5.6	<1	0.7	545	0.14	<0.05	3.58	0.245	0.15	1.0
K518197		29.1	14.6	0.002	0.37	1.46	38.8	1	0.9	226	0.21	0.11	1.01	0.567	0.21	0.3
K518211																
K518301		7.0	35.1	0.002	4.11	0.06	35.9	5	0.4	465	0.06	0.14	0.67	0.213	0.16	0.8
K518302		2.4	50.5	<0.002	0.08	0.06	45.3	1	0.4	290	0.06	<0.05	0.29	0.269	0.21	0.1
K518303		3.8	63.2	<0.002	0.39	<0.05	34.0	1	0.3	227	0.05	<0.05	0.10	0.298	0.26	0.3
K518304		3.7	31.0	<0.002	0.02	<0.05	7.3	<1	0.6	444	0.25	<0.05	8.05	0.262	0.14	1.2
K518305		7.3	28.3	<0.002	0.03	0.14	41.7	<1	0.3	288	0.05	<0.05	0.13	0.316	0.11	0.1
K518308		7.3	28.4	<0.002	0.05	0.12	29.6	<1	0.3	419	<0.05	<0.05	0.27	0.225	0.12	0.3
K518309		3.2	75.0	<0.002	0.02	0.05	4.5	<1	0.7	241	0.22	<0.05	1.64	0.173	0.29	0.5
K518310		3.4	60.4	<0.002	0.01	<0.05	4.8	<1	0.5	210	0.12	<0.05	0.84	0.157	0.24	0.4
K518312		3.4	58.9	<0.002	0.01	<0.05	4.3	<1	0.5	251	0.22	<0.05	1.28	0.182	0.20	0.4
K518313		8.9	16.7	<0.002	0.26	0.29	44.7	1	0.3	188.5	0.05	<0.05	0.10	0.346	0.07	<0.1
K518314		3.4	8.1	<0.002	0.35	<0.05	41.6	1	0.7	195.5	0.17	0.05	0.31	0.708	0.04	0.1
K518315		4.1	42.1	0.002	0.25	0.33	6.3	1	0.8	539	0.10	0.06	0.65	0.153	0.26	0.4
K518316		8.3	54.6	0.002	0.13	0.13	24.5	<1	1.4	452	0.44	<0.05	2.30	0.981	0.30	1.0
K518317		5.6	18.0	<0.002	0.03	0.12	16.4	<1	0.9	752	0.24	<0.05	4.47	0.382	0.10	1.5
K518318		7.9	21.8	<0.002	0.07	0.06	2.9	<1	0.5	797	0.14	<0.05	2.08	0.171	0.13	0.8
K518319		4.3	29.3	<0.002	0.28	0.08	3.2	1	0.6	462	0.11	<0.05	2.18	0.193	0.15	0.7
K518320		2.3	27.4	<0.002	0.01	0.07	2.0	<1	0.2	101.5	0.05	<0.05	0.33	0.069	0.13	0.1
K518321		2.0	66.4	<0.002	0.01	0.06	4.7	<1	0.4	124.0	0.10	<0.05	0.67	0.156	0.33	0.1
K518322		3.4	100.0	0.002	0.24	<0.05	6.0	1	0.6	136.5	0.12	<0.05	0.82	0.195	0.59	0.2
K518323		2.1	37.7	<0.002	0.30	0.06	2.4	<1	0.2	127.0	0.05	<0.05	0.46	0.074	0.21	0.1
K518324		2.4	19.3	<0.002	0.82	0.08	43.1	1	1.8	113.5	0.15	0.07	0.30	0.591	0.09	0.1
K518325		0.6	6.6	<0.002	0.03	<0.05	5.2	<1	0.2	44.0	<0.05	<0.05	0.32	0.117	0.04	0.2
K518326		1.7	18.0	<0.002	0.09	0.07	38.0	<1	0.7	183.0	0.18	<0.05	0.50	0.628	0.10	0.3

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Finalized Date: 24-JUN-2024
Account: HASCAN

Project: 24NOR.R.00002

CERTIFICATE OF ANALYSIS SD24155179

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	Au-ICP22 Au ppm 0.001
K518057		112	0.2	8.4	33	25.9	0.001
K518058		213	0.4	18.8	73	58.5	0.001
K518059		20	0.2	3.2	22	72.8	<0.001
K518060		4	<0.1	0.2	3	3.3	<0.001
K518061		271	0.1	29.6	114	106.0	<0.001
K518062		352	0.4	42.4	152	57.0	<0.001
K518063		10	<0.1	0.5	6	1.4	<0.001
K518064		180	0.2	37.2	114	77.9	<0.001
K518163							
K518176							
K518189		232	0.1	15.6	74	33.5	<0.001
K518190		216	0.1	17.8	88	40.0	<0.001
K518191		203	0.1	21.4	200	64.8	<0.001
K518192		101	0.1	9.4	246	76.8	<0.001
K518194		60	0.1	5.2	67	115.5	<0.001
K518197		259	29.0	20.4	143	57.1	1.205
K518211							
K518301		169	0.2	10.0	36	35.4	0.003
K518302		237	0.2	14.1	76	27.3	<0.001
K518303		154	0.3	10.5	28	20.5	<0.001
K518304		62	0.2	8.5	54	126.5	0.001
K518305		244	0.3	12.3	69	21.6	<0.001
K518308		134	0.2	8.3	41	23.5	<0.001
K518309		35	0.4	4.5	36	70.0	<0.001
K518310		42	0.2	3.8	28	59.6	<0.001
K518312		38	0.3	4.2	35	68.9	<0.001
K518313		256	0.3	12.5	49	79.9	<0.001
K518314		335	0.4	26.9	115	13.6	<0.001
K518315		46	0.4	6.2	84	90.1	<0.001
K518316		185	0.3	38.8	114	61.6	<0.001
K518317		119	0.4	15.0	93	154.0	<0.001
K518318		31	0.2	3.6	39	105.0	<0.001
K518319		33	0.2	4.1	48	114.0	<0.001
K518320		19	0.3	1.8	36	26.0	<0.001
K518321		35	0.2	2.5	37	69.4	<0.001
K518322		50	0.5	3.2	37	77.8	<0.001
K518323		21	0.2	2.2	29	31.3	<0.001
K518324		282	0.1	23.8	142	35.4	<0.001
K518325		30	0.1	3.3	26	11.5	<0.001
K518326		238	0.1	21.5	128	43.8	<0.001

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Project: 24NOR.R.00002

CERTIFICATE OF ANALYSIS SD24155179

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K518327		1.33	0.02	4.31	1.1	80	0.33	0.23	4.23	0.09	11.70	25.7	33	0.26	46.6	6.27
K518328		1.23	0.03	0.82	1.6	10	0.07	0.01	0.62	<0.02	3.14	4.1	28	0.06	157.5	2.02
K518329		0.89	0.13	1.20	0.9	120	0.06	0.05	0.69	0.03	8.07	8.7	28	0.13	1295	2.98
K518331		0.76	0.01	1.80	1.3	30	0.10	0.01	0.28	0.02	2.00	3.3	35	0.06	80.3	1.89
K518332		1.45	0.03	6.72	1.1	70	0.50	0.19	5.38	0.13	16.20	49.6	36	0.39	92.4	11.95
K518701		0.66	0.04	6.04	0.4	90	0.43	0.11	6.14	0.11	17.15	39.5	48	0.16	55.1	11.20
K518703		1.49	0.11	6.92	0.7	140	0.64	0.13	5.25	0.15	15.80	34.7	16	0.13	37.0	11.75
K518707		2.76	0.10	5.82	8.2	1790	1.42	0.53	7.42	0.02	66.6	12.0	33	1.26	41.9	1.66
K518231		0.19	0.01	1.70	0.7	300	0.67	0.21	0.20	<0.02	8.35	3.8	23	0.21	19.0	1.23
K518232		1.52	0.06	7.73	2.6	500	1.08	0.04	5.70	0.10	25.0	51.4	90	5.98	158.0	10.15
K518193		1.18	0.01	7.34	0.8	720	1.00	0.15	0.71	0.04	23.7	7.1	12	0.26	11.7	1.77
K518330		0.08	0.32	7.09	54.7	130	0.40	0.04	7.15	0.58	13.50	41.0	102	0.94	169.5	7.49
K518702		0.49	0.01	0.25	0.6	10	<0.05	0.01	0.41	0.02	0.60	1.2	25	<0.05	6.9	1.21

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

ALS Canada Ltd.
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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 24-JUN-2024
Account: HASCAN

Project: 24NOR.R.00002

CERTIFICATE OF ANALYSIS SD24155179

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K518327		13.50	0.09	0.6	<0.005	0.057	0.32	5.0	7.3	1.81	863	1.64	1.09	2.0	22.1	260
K518328		3.63	0.05	0.2	<0.005	0.009	0.10	2.4	2.4	0.23	135	1.91	0.47	0.8	5.6	30
K518329		3.47	0.06	0.2	<0.005	0.031	0.69	5.6	5.2	0.41	235	1.57	0.35	2.0	6.7	50
K518331		6.23	0.06	0.2	<0.005	0.010	0.21	1.3	1.9	0.22	186	2.30	1.15	0.6	4.1	20
K518332		20.1	0.12	1.4	<0.005	0.114	0.40	5.6	20.0	3.11	1780	29.2	2.11	4.4	32.7	570
K518701		20.6	0.10	1.6	<0.005	0.130	0.23	6.7	10.9	3.20	1965	0.83	1.47	4.2	39.8	650
K518703		19.25	0.10	1.8	<0.005	0.112	0.42	5.8	4.1	2.70	1905	0.55	2.93	4.5	20.0	630
K518707		13.45	0.12	3.5	<0.005	0.033	1.18	34.1	7.3	0.28	539	3.00	3.91	3.7	53.7	850
K518231		5.08	0.06	0.7	<0.005	0.006	0.64	3.6	1.3	0.13	110	1.34	0.92	1.8	5.7	150
K518232		18.75	0.12	2.7	<0.005	0.087	1.06	11.0	43.5	3.52	1775	0.66	1.80	4.8	77.7	490
K518193		16.85	0.09	2.8	<0.005	0.019	1.86	9.7	7.0	0.72	221	0.64	4.68	2.7	12.2	540
K518330		14.30	0.09	1.6	0.035	0.078	0.45	5.7	12.4	3.65	1290	1.37	1.61	3.1	85.3	410
K518702		1.34	<0.05	0.1	<0.005	0.011	0.03	<0.5	0.7	0.05	161	1.78	0.07	0.2	1.9	50

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CERTIFICATE OF ANALYSIS SD24155179

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
K518327		4.6	8.8	<0.002	0.27	0.09	28.0	1	0.5	243	0.13	<0.05	0.25	0.433	0.05	0.1
K518328		0.8	2.1	<0.002	0.10	0.10	2.6	<1	0.2	15.5	<0.05	<0.05	0.60	0.128	<0.02	0.5
K518329		0.8	15.6	<0.002	0.49	0.09	5.6	1	0.7	18.0	0.11	<0.05	0.23	0.315	0.09	0.1
K518331		0.6	3.6	<0.002	0.04	0.07	3.0	<1	0.2	34.7	<0.05	<0.05	0.11	0.105	0.02	0.1
K518332		4.0	8.8	0.023	0.33	0.06	48.8	1	0.8	150.0	0.28	<0.05	0.52	0.922	0.05	0.1
K518701		2.3	8.4	0.002	0.08	0.07	37.3	<1	1.1	215	0.27	<0.05	0.57	0.940	0.05	0.2
K518703		4.3	6.8	<0.002	0.24	<0.05	45.6	1	0.9	244	0.29	0.15	0.57	0.940	0.04	0.2
K518707		4.8	34.3	0.002	1.08	1.96	5.1	1	0.7	580	0.22	0.30	7.78	0.089	0.35	2.4
K518231		7.9	18.9	<0.002	0.03	0.11	1.2	<1	0.4	129.0	0.10	<0.05	3.58	0.056	0.10	0.4
K518232		7.6	160.0	0.002	0.11	0.70	40.4	1	1.0	266	0.31	0.07	2.20	0.699	0.75	0.5
K518193		7.2	37.8	<0.002	0.13	0.06	3.8	1	0.5	613	0.18	<0.05	2.22	0.203	0.21	0.9
K518330		25.6	13.6	0.002	0.36	1.45	38.1	1	0.9	220	0.20	0.12	1.04	0.574	0.24	0.3
K518702		4.3	1.2	<0.002	0.01	0.09	0.9	<1	0.2	18.0	<0.05	<0.05	0.03	0.019	<0.02	<0.1

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Project: 24NOR.R.00002

CERTIFICATE OF ANALYSIS SD24155179

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP22
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	1	0.1	0.1	2	0.5	0.001
K518327		217	0.1	17.3	62	15.4	0.025
K518328		51	0.1	1.5	15	7.5	0.001
K518329		71	0.3	3.6	20	7.3	<0.001
K518331		41	0.1	1.1	15	6.8	<0.001
K518332		393	0.2	37.5	136	44.4	<0.001
K518701		374	0.5	32.6	130	47.1	<0.001
K518703		341	0.4	36.9	132	59.2	<0.001
K518707		45	5.9	19.5	12	137.5	0.078
K518231		14	0.2	1.7	7	25.0	0.001
K518232		307	0.3	27.3	130	103.5	0.003
K518193		48	0.2	5.2	30	114.0	<0.001
K518330		261	26.0	20.0	146	54.9	1.200
K518702		13	0.1	1.0	5	1.7	<0.001

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Finalized Date: 24-JUN-2024
Account: HASCAN

Project: 24NOR.R.00002

CERTIFICATE OF ANALYSIS SD24155179

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 Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, 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-ICP22	Hg-MS42	ME-MS61	TRSPEC-20

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Finalized Date: 21-JUN-2024
Account: HASCAN

TB24153575

Project: 24NOR.WR.00001

P.O. No.: 4500895030

This report is for 4 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 10-JUN-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
TRSPEC-20	Spectral Scan VNIR and SWIR - Coarse
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-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 *****

Comments: Part of samples from TM24136696

Signature:



Saa Traxler, Director, North Vancouver Operations

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TORONTO ON M5J 2S1

Finalized Date: 21-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TB24153575

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
K518101		1.31	66.6	15.05	3.67	2.65	2.16	5.02	1.86	0.011	0.30	0.05	0.07	0.12	0.07	1.18
K518102		0.86	63.5	15.70	4.58	3.70	2.67	5.67	0.55	0.008	0.49	0.08	0.03	0.12	0.01	1.14
K518103		1.41	58.6	17.95	7.05	7.33	3.41	2.99	0.75	0.008	0.55	0.11	0.02	0.11	0.02	1.33
K518104		1.04	65.0	14.25	5.51	5.59	3.12	3.74	0.20	0.016	0.85	0.06	0.03	0.20	0.01	0.65

Comments: Part of samples from TM24136696

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Finalized Date: 21-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TB24153575

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
K518101		98.81	621	29.8	83	0.75	1.07	0.52	0.70	22.7	1.71	2.76	0.21	13.0	0.06	2.45
K518102		98.25	69.8	31.8	58	0.45	1.83	0.93	0.81	20.1	2.19	3.34	0.35	16.1	0.13	6.23
K518103		100.23	190.5	25.3	62	0.66	1.97	1.15	0.91	22.1	2.48	3.89	0.46	11.4	0.17	6.60
K518104		99.23	49.1	25.1	113	0.16	2.74	1.33	1.10	18.6	3.42	3.84	0.54	9.7	0.20	8.40

Comments: Part of samples from TM24136696

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CERTIFICATE OF ANALYSIS TB24153575

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
K518101		15.0	3.71	39.8	3.17	0.7	617	0.2	0.24	2.16	0.19	0.06	0.55	51	0.5	5.3
K518102		15.3	3.88	14.0	3.11	1.0	220	0.5	0.36	1.85	0.07	0.12	0.44	70	1.1	8.5
K518103		12.5	3.02	14.2	2.42	1.1	236	0.6	0.39	2.10	0.09	0.19	0.53	86	0.5	11.0
K518104		14.0	3.06	4.9	3.87	1.3	271	0.6	0.46	1.27	<0.05	0.20	0.33	124	<0.5	15.2

Comments: Part of samples from TM24136696

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CERTIFICATE OF ANALYSIS TB24153575

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
K518101		0.53	98	0.02	7.13	0.7	620	1.13	0.05	1.72	0.04	30.2	8.8	69	0.74	13.4
K518102		0.77	130	0.03	7.17	<0.2	70	0.84	0.11	2.37	0.04	30.6	12.3	50	0.37	19.3
K518103		1.10	149	0.07	7.30	<0.2	190	0.74	0.06	4.72	0.12	20.3	17.6	53	0.43	26.5
K518104		1.26	163	0.04	6.82	0.5	50	0.78	0.03	3.65	0.06	25.3	20.3	90	0.16	23.3

Comments: Part of samples from TM24136696

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CERTIFICATE OF ANALYSIS TB24153575

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
K518101		2.30	20.4	<0.05	1.4	0.021	1.46	13.4	19.3	1.15	361	0.72	3.67	2.5	36.2	490
K518102		2.87	18.10	0.06	2.9	0.027	0.43	14.9	7.6	1.41	553	1.04	4.11	5.8	36.1	500
K518103		4.31	20.1	<0.05	3.1	0.030	0.55	8.9	16.8	1.74	815	0.63	2.02	6.6	46.9	430
K518104		3.49	16.60	<0.05	3.3	0.044	0.15	9.3	5.5	1.66	450	1.16	2.72	8.3	66.4	840

Comments: Part of samples from TM24136696

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Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TB24153575

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
K518101		5.9	36.9	<0.002	0.01	0.06	5.5	<1	0.7	564	0.18	<0.05	2.14	0.173	0.19	0.5
K518102		1.8	9.1	<0.002	0.02	<0.05	8.6	<1	0.9	204	0.46	<0.05	1.66	0.263	0.06	0.4
K518103		3.0	6.4	<0.002	0.11	0.05	10.4	<1	1.2	208	0.54	<0.05	1.65	0.295	0.08	0.4
K518104		2.3	2.2	<0.002	<0.01	<0.05	13.8	<1	1.3	254	0.53	<0.05	1.22	0.487	0.03	0.3

Comments: Part of samples from TM24136696

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

ALS Canada Ltd.
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To: **BARRICK GOLD INC.**
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 21-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TB24153575

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	C-IR07	S-IR08	Au-ICP22
	Analyte	V	W	Y	Zn	Zr	Hg	C	S	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOD	1	0.1	0.1	2	0.5	0.005	0.01	0.01	0.001
K518101		46	0.1	4.8	70	43.5	<0.005	0.08	<0.01	0.001
K518102		62	0.5	7.8	60	110.0	<0.005	0.08	0.02	0.002
K518103		79	0.1	9.8	74	125.5	<0.005	0.07	0.11	<0.001
K518104		110	0.1	14.2	69	141.5	<0.005	0.05	0.01	<0.001

Comments: Part of samples from TM24136696

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Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TB24153575

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

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To: BARRICK GOLD CORPORATION
BARRICK GOLD
161 BAY ST.
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Finalized Date: 6-JUN-2024
Account: HASCAN

TM24136695

Project: 24NOR.R.00001

P.O. No.: 4500895030

This report is for 71 samples of Rock submitted to our lab in Timmins, ON, Canada on 23-MAY-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

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-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
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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TORONTO ON M5J 2S1

Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K518151		2.91	0.08	8.02	5.8	630	1.58	0.32	1.60	0.05	50.3	25.6	145	2.36	49.1	5.08
K518152		1.50	0.05	8.10	5.2	650	1.61	0.41	1.52	0.03	54.0	25.8	153	2.22	24.2	5.03
K518153		0.60	0.07	7.53	2.6	670	1.24	0.21	1.15	0.03	47.0	18.0	127	1.19	43.5	4.12
K518154		0.75	0.04	6.73	<0.2	40	2.06	0.05	4.62	0.18	16.45	48.6	40	0.26	112.5	9.30
K518155		0.49	<0.01	3.17	0.3	10	1.07	0.12	3.52	0.10	1.66	3.8	21	0.18	3.0	3.06
K518156		0.13	0.34	6.93	53.2	130	0.40	0.04	6.69	0.56	13.40	41.8	101	0.85	171.5	7.09
K518157		1.02	0.08	6.72	0.3	750	1.82	0.04	5.51	0.14	42.4	39.6	299	0.70	201	7.27
K518158		2.26	0.10	7.14	0.3	480	1.47	0.05	5.55	0.10	31.9	42.2	171	1.53	163.5	8.09
K518159		1.60	0.08	7.91	0.6	60	0.18	0.08	8.02	0.07	5.05	39.4	146	0.25	148.0	6.73
K518160		1.17	0.44	7.29	10.6	90	0.20	0.14	6.38	0.16	4.41	35.4	263	0.39	27.4	7.63
K518161		1.87	0.02	8.45	0.6	160	0.23	0.10	6.82	0.07	3.27	39.8	134	0.53	62.4	7.44
K518162		1.11	0.02	7.60	0.4	50	0.27	0.01	6.58	0.09	5.46	53.5	228	0.21	66.5	8.49
K518163		2.04	0.03	6.78	<0.2	570	1.24	0.07	3.91	0.08	25.1	23.1	188	0.45	24.7	8.37
K518164		0.80	0.02	7.92	7.1	590	0.69	0.02	3.62	0.05	47.6	68.9	351	1.10	28.2	2.95
K518165		0.61	0.03	8.46	0.3	510	2.05	0.03	5.55	0.11	64.8	32.1	45	1.06	44.7	8.13
K518166		0.47	0.02	2.64	0.5	260	1.04	0.04	6.73	0.12	24.0	82.3	1545	1.34	193.5	6.49
K518167		1.24	0.02	0.90	0.5	60	0.77	0.06	0.23	<0.02	3.92	3.3	32	2.20	19.5	23.9
K518168		0.25	0.03	0.56	1.3	150	0.12	0.06	0.07	<0.02	1.62	4.7	58	0.31	27.1	4.95
K518169		1.11	<0.01	0.19	0.3	10	1.19	0.03	0.88	0.02	3.90	0.8	19	0.52	3.3	30.4
K518170		1.20	0.05	6.72	<0.2	1820	1.76	0.11	4.21	0.08	115.5	26.2	313	1.74	34.2	5.26
K518171		0.89	0.15	1.98	1.9	360	0.53	0.59	0.68	0.03	9.58	5.8	26	6.56	89.8	20.3
K518172		0.32	0.04	1.03	<0.2	100	0.39	0.03	0.35	0.02	3.28	1.6	45	1.35	8.0	3.70
K518173		0.97	0.03	1.32	0.5	220	0.83	0.14	1.38	0.04	13.70	6.3	86	1.72	19.3	21.8
K518174		0.13	1.35	6.52	69.4	130	0.43	0.05	6.71	0.59	14.15	38.8	93	0.93	164.5	7.48
K518175		0.63	0.02	0.52	0.4	100	1.05	0.08	1.07	0.04	6.24	0.9	19	1.57	9.9	29.0
K518176		1.24	0.02	7.16	0.3	610	1.30	0.09	4.34	0.07	22.8	33.6	276	0.65	97.8	7.49
K518177		1.07	0.03	6.33	1.0	830	2.01	0.10	6.00	0.07	40.0	36.1	235	0.55	86.5	7.79
K518178		0.85	0.01	2.99	0.3	20	1.49	0.05	5.64	0.07	7.94	88.6	1905	0.18	47.8	8.64
K518179		0.45	0.03	6.95	<0.2	40	0.16	0.04	7.70	0.10	3.48	45.3	246	0.18	45.3	7.85
K518181		0.86	0.05	7.31	0.3	250	1.05	0.10	3.07	0.09	28.0	13.8	35	0.49	29.3	4.74
K518182		0.68	0.05	7.51	0.8	230	0.62	0.06	5.28	0.10	20.2	35.8	169	0.43	60.7	7.77
K518183		0.87	0.08	7.52	0.2	310	0.89	0.02	4.46	0.08	39.6	15.6	35	0.79	60.5	3.87
K518184		1.24	0.02	0.83	<0.2	10	0.10	0.01	0.50	<0.02	2.92	2.7	40	0.07	9.1	1.18
K518185		0.64	0.04	7.69	<0.2	100	0.81	0.03	4.79	0.11	30.2	33.7	115	0.41	27.6	6.98
K518186		1.11	0.09	7.66	0.2	100	0.93	0.09	4.09	0.13	25.9	19.4	170	0.23	65.3	6.77
K518187		1.41	0.02	7.36	0.4	680	1.29	0.01	1.92	0.04	39.3	5.8	19	0.21	7.9	1.90
K518188		1.15	0.01	7.38	0.4	790	0.83	0.01	1.14	0.02	19.05	3.1	18	0.31	4.1	1.40
K518201		0.73	0.01	0.51	0.4	70	0.05	0.03	0.05	<0.02	2.34	1.3	37	0.09	8.3	1.04
K518202		0.83	0.02	6.90	0.3	110	0.32	0.04	6.28	0.07	8.83	44.9	187	0.37	69.3	9.15
K518203		0.87	0.03	0.78	0.2	<10	<0.05	0.03	2.39	0.05	1.22	3.1	40	<0.05	74.3	3.33

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TORONTO ON M5J 2S1

Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K518151		22.9	0.08	2.4	0.006	0.051	2.11	22.8	45.8	2.22	750	1.71	2.70	9.6	98.7	710
K518152		23.0	0.07	2.6	<0.005	0.049	2.13	25.4	44.7	2.31	734	1.31	2.85	10.3	100.0	710
K518153		16.65	0.06	2.9	0.005	0.037	1.73	22.2	28.1	1.34	510	1.66	3.35	5.7	61.5	600
K518154		13.25	0.06	1.8	<0.005	0.112	0.12	6.9	6.7	2.21	1920	1.11	2.31	4.2	41.5	540
K518155		9.56	<0.05	0.2	<0.005	0.062	0.03	0.6	1.6	0.26	1460	1.59	0.12	0.2	3.8	80
K518156		14.70	0.05	1.4	0.022	0.075	0.43	5.1	11.6	3.38	1250	1.31	1.52	3.1	88.9	400
K518157		16.25	0.10	2.3	<0.005	0.060	1.74	19.0	13.2	4.70	1225	0.27	2.11	2.9	112.0	1640
K518158		16.80	0.08	2.2	<0.005	0.069	1.59	14.6	14.0	3.88	1220	0.33	2.06	3.1	87.7	1020
K518159		13.90	<0.05	0.5	<0.005	0.047	0.20	2.0	11.1	4.09	1220	2.70	1.13	1.3	68.8	160
K518160		12.80	0.06	0.6	<0.005	0.049	0.22	1.5	18.6	4.39	1710	2.60	2.26	1.3	109.0	160
K518161		15.85	<0.05	0.3	<0.005	0.065	0.74	1.2	16.1	1.31	2180	0.68	1.41	0.9	44.0	220
K518162		15.55	0.05	0.7	<0.005	0.059	0.30	2.1	15.5	4.94	1615	0.27	1.64	2.0	181.5	270
K518163		15.70	0.07	1.7	<0.005	0.049	1.22	11.1	6.4	2.41	1115	0.66	2.72	2.2	84.2	880
K518164		18.20	0.11	2.0	<0.005	0.065	1.88	17.0	17.7	1.08	1125	0.70	2.29	4.2	241	1290
K518165		24.6	0.14	2.1	<0.005	0.098	1.27	24.4	14.3	2.40	1105	0.95	2.60	12.8	44.7	2010
K518166		6.73	0.07	0.8	<0.005	0.025	0.42	12.2	25.0	12.30	1075	0.11	0.10	1.1	1165	620
K518167		2.47	0.12	0.4	<0.005	0.015	0.21	1.8	7.4	1.04	251	1.94	0.01	0.5	6.4	770
K518168		3.01	<0.05	0.3	<0.005	0.007	0.16	0.7	3.1	0.42	278	2.34	0.04	0.4	21.6	160
K518169		1.06	0.15	0.1	<0.005	0.006	0.04	2.6	2.2	1.00	192	1.36	0.04	0.2	2.3	580
K518170		17.10	0.15	3.6	<0.005	0.040	2.35	54.3	5.6	3.55	763	0.30	3.24	4.7	97.8	1390
K518171		9.95	0.13	1.2	<0.005	0.037	1.20	6.9	11.3	1.37	453	1.96	0.15	1.1	10.1	520
K518172		2.55	<0.05	0.4	<0.005	0.008	0.30	1.4	3.1	0.49	155	2.66	0.47	0.5	5.6	190
K518173		4.85	0.11	0.6	<0.005	0.020	0.39	7.0	4.2	1.46	345	1.71	0.50	0.8	16.3	750
K518174		14.20	0.07	1.6	0.042	0.068	0.43	6.0	12.6	3.30	1170	1.48	1.60	3.3	75.4	400
K518175		4.38	0.13	0.3	<0.005	0.027	0.23	3.6	4.1	1.24	347	1.69	0.06	0.4	3.0	640
K518176		17.60	0.09	1.6	<0.005	0.044	1.62	11.0	14.6	3.71	1330	0.65	2.69	2.1	114.0	860
K518177		19.40	0.11	2.4	<0.005	0.064	1.60	17.0	14.0	4.81	1090	0.33	1.84	2.6	58.7	1830
K518178		9.48	0.06	0.5	<0.005	0.031	0.06	2.9	20.4	11.95	1390	0.29	0.23	1.2	634	320
K518179		12.70	0.06	0.3	<0.005	0.051	0.18	1.3	11.3	4.53	1245	0.33	1.20	0.9	138.0	100
K518181		19.75	0.08	5.4	<0.005	0.051	1.20	10.1	21.0	1.12	671	42.5	2.69	11.8	23.2	570
K518182		16.65	0.08	2.0	<0.005	0.048	0.78	8.4	14.6	3.47	1170	0.87	2.42	5.8	91.8	620
K518183		20.9	0.09	3.1	<0.005	0.026	1.83	18.1	33.6	1.37	537	1.08	0.82	9.6	29.9	610
K518184		1.82	<0.05	0.2	<0.005	0.005	0.07	1.6	3.8	0.24	152	2.55	0.32	0.4	6.0	30
K518185		19.50	0.09	3.0	<0.005	0.046	0.40	11.6	19.9	2.82	962	0.69	3.19	9.4	72.9	510
K518186		21.2	0.10	3.2	<0.005	0.046	0.39	9.3	30.2	2.91	1265	0.45	3.49	11.0	89.2	950
K518187		19.50	0.08	1.6	<0.005	0.015	0.84	17.1	4.4	0.69	324	0.70	4.98	3.1	11.9	390
K518188		20.0	0.06	1.9	<0.005	0.008	1.38	7.2	14.8	0.41	212	0.95	4.04	1.7	6.0	370
K518201		1.82	<0.05	0.1	<0.005	<0.005	0.34	1.2	1.9	0.03	106	2.65	0.20	0.1	2.8	20
K518202		13.30	0.08	0.8	<0.005	0.047	0.63	3.0	13.8	4.33	1505	1.48	2.72	1.7	88.6	190
K518203		3.25	<0.05	0.1	<0.005	0.009	0.01	0.6	1.5	0.15	305	2.63	0.04	0.2	5.9	50

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

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Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

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
K518151		10.6	80.4	0.002	0.05	0.37	16.5	<1	1.7	296	0.74	<0.05	9.80	0.374	0.65	3.4
K518152		8.8	94.6	<0.002	0.04	0.35	16.8	1	1.7	283	0.76	<0.05	11.80	0.383	0.58	3.6
K518153		9.8	71.5	<0.002	0.08	0.28	12.8	1	1.0	345	0.49	<0.05	7.24	0.306	0.40	2.9
K518154		1.4	5.0	0.006	0.09	0.05	41.9	1	2.2	66.9	0.27	<0.05	0.63	0.941	0.02	0.2
K518155		1.3	3.5	<0.002	<0.01	0.19	1.8	<1	0.7	59.9	<0.05	<0.05	0.07	0.038	<0.02	<0.1
K518156		25.1	13.7	0.003	0.35	1.39	38.9	1	0.9	214	0.20	0.08	0.94	0.535	0.22	0.3
K518157		8.4	57.6	<0.002	0.07	0.05	32.8	1	0.9	888	0.17	<0.05	2.61	0.411	0.22	0.8
K518158		8.2	69.6	<0.002	0.12	0.05	43.5	<1	0.6	562	0.20	<0.05	2.21	0.484	0.31	0.8
K518159		1.0	6.8	0.003	0.17	0.11	42.2	1	0.3	113.0	0.09	0.08	0.15	0.302	0.06	<0.1
K518160		67.7	9.0	0.003	0.03	0.20	43.8	<1	0.3	156.0	0.09	<0.05	0.14	0.339	0.06	0.1
K518161		3.4	25.2	0.002	0.11	0.14	57.0	1	0.3	225	0.06	<0.05	0.10	0.353	0.09	<0.1
K518162		1.3	10.0	<0.002	0.03	0.08	40.9	<1	0.4	127.0	0.13	<0.05	0.24	0.462	0.04	0.1
K518163		6.2	33.3	<0.002	0.03	0.06	25.3	1	0.7	464	0.14	<0.05	1.82	0.321	0.13	0.6
K518164		2.6	57.0	<0.002	0.03	0.07	16.9	1	0.7	347	0.26	<0.05	1.37	0.700	0.22	0.3
K518165		7.3	41.9	<0.002	0.18	0.07	23.9	1	1.5	535	0.64	<0.05	2.61	1.000	0.31	1.2
K518166		1.6	28.1	<0.002	0.08	0.06	20.0	1	0.3	68.6	0.06	<0.05	0.99	0.213	0.12	0.3
K518167		1.0	23.5	<0.002	0.59	0.06	1.3	1	0.2	13.5	<0.05	<0.05	0.27	0.039	0.14	0.1
K518168		1.0	6.1	<0.002	0.35	0.14	1.6	1	0.2	7.5	<0.05	<0.05	0.27	0.036	0.03	0.1
K518169		0.9	5.0	<0.002	0.01	0.07	0.3	<1	<0.2	22.9	<0.05	<0.05	0.10	0.009	0.03	<0.1
K518170		9.4	64.0	<0.002	0.12	0.08	17.4	1	1.0	876	0.27	<0.05	7.34	0.377	0.30	1.7
K518171		5.2	96.4	0.002	2.99	0.08	5.2	5	0.6	183.5	0.07	0.25	0.56	0.122	0.53	0.2
K518172		0.9	22.7	<0.002	0.09	<0.05	1.4	<1	0.2	54.5	<0.05	<0.05	0.42	0.032	0.11	0.1
K518173		1.9	26.4	<0.002	0.23	0.07	4.5	1	0.3	142.5	0.05	0.06	0.81	0.075	0.15	0.2
K518174		27.5	15.0	0.002	0.39	1.42	36.7	1	0.9	216	0.21	0.11	1.07	0.545	0.22	0.3
K518175		1.2	20.2	<0.002	0.07	0.05	0.9	<1	0.3	27.3	<0.05	<0.05	0.18	0.019	0.11	0.1
K518176		4.8	41.3	<0.002	0.12	<0.05	31.7	<1	0.5	352	0.13	<0.05	1.37	0.361	0.19	0.5
K518177		5.0	53.6	<0.002	0.76	0.07	38.9	1	0.9	623	0.17	0.08	2.59	0.552	0.20	1.2
K518178		0.7	1.6	<0.002	0.02	<0.05	20.2	1	0.3	34.6	0.05	0.05	0.49	0.152	<0.02	0.2
K518179		1.2	4.6	<0.002	0.01	<0.05	32.1	1	0.3	73.5	0.05	0.06	0.07	0.275	0.04	<0.1
K518181		3.1	16.4	<0.002	0.01	<0.05	11.6	1	1.7	175.5	0.76	<0.05	2.40	0.313	0.10	0.6
K518182		1.7	25.1	<0.002	0.13	0.05	26.9	1	0.7	204	0.34	<0.05	0.72	0.541	0.12	0.2
K518183		2.1	40.1	<0.002	0.04	<0.05	9.6	1	1.2	119.5	0.58	<0.05	1.60	0.318	0.22	0.4
K518184		0.6	1.8	<0.002	0.02	<0.05	1.2	<1	<0.2	29.7	<0.05	<0.05	0.09	0.046	<0.02	<0.1
K518185		5.4	6.2	<0.002	0.01	<0.05	20.1	1	0.9	235	0.54	<0.05	1.23	0.574	0.05	0.3
K518186		9.0	6.4	<0.002	0.17	<0.05	19.5	1	1.1	181.5	0.61	0.07	1.21	0.797	0.04	0.4
K518187		7.8	12.2	<0.002	0.01	<0.05	4.0	1	0.5	862	0.21	<0.05	4.09	0.146	0.06	0.7
K518188		4.9	22.6	<0.002	<0.01	<0.05	2.0	<1	0.3	616	0.13	<0.05	1.27	0.108	0.11	0.3
K518201		1.9	7.8	<0.002	<0.01	0.05	0.1	1	<0.2	28.5	<0.05	<0.05	0.13	0.007	0.04	<0.1
K518202		2.1	18.3	<0.002	0.11	0.05	41.5	1	0.4	243	0.11	0.05	0.24	0.379	0.09	0.1
K518203		1.2	0.4	<0.002	0.01	0.06	2.6	<1	0.2	80.0	<0.05	<0.05	0.03	0.036	<0.02	0.1

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

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161 BAY ST.
TORONTO ON M5J 2S1

Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

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	Au-ICP22 Au ppm 0.001	Au-GRA22 Au ppm 0.05
K518151		125	1.0	13.9	85	92.5	<0.001	
K518152		123	1.0	15.1	99	99.1	<0.001	
K518153		96	0.9	13.7	71	114.0	0.001	
K518154		268	0.2	32.4	162	56.2	<0.001	
K518155		106	0.1	3.9	38	5.8	<0.001	
K518156		248	27.7	19.9	139	53.2	1.155	
K518157		212	0.2	19.4	99	110.5	<0.001	
K518158		272	0.2	22.7	90	85.9	<0.001	
K518159		208	0.3	14.5	63	10.9	0.002	
K518160		229	0.2	15.4	101	10.7	<0.001	
K518161		285	0.7	18.1	79	9.8	<0.001	
K518162		243	<0.1	19.3	104	19.5	<0.001	
K518163		173	0.3	13.5	70	72.8	<0.001	
K518164		194	0.6	15.4	46	84.2	<0.001	
K518165		198	0.3	38.7	124	77.5	<0.001	
K518166		94	0.1	6.9	100	30.6	0.001	
K518167		15	0.1	6.7	21	16.0	<0.001	
K518168		57	0.5	1.2	15	10.4	<0.001	
K518169		5	0.1	5.7	8	3.9	<0.001	
K518170		128	0.3	16.4	73	151.0	<0.001	
K518171		141	0.2	3.6	48	48.0	0.005	
K518172		24	0.1	2.1	14	15.4	<0.001	
K518173		54	0.2	6.7	29	23.9	<0.001	
K518174		241	37.7	19.1	147	56.9	5.53	5.57
K518175		41	0.1	5.8	23	11.0	<0.001	
K518176		218	0.3	14.0	92	63.9	<0.001	
K518177		275	0.4	18.7	102	91.5	0.001	
K518178		130	0.1	6.2	189	18.0	<0.001	
K518179		201	0.1	10.8	71	8.1	<0.001	
K518181		44	0.1	21.2	73	221	<0.001	
K518182		186	0.2	18.6	97	93.1	<0.001	
K518183		70	0.2	11.0	73	132.0	<0.001	
K518184		13	0.1	1.2	10	7.2	<0.001	
K518185		154	0.1	15.0	67	124.5	<0.001	
K518186		154	0.1	21.3	159	138.0	<0.001	
K518187		30	0.1	3.9	36	60.5	<0.001	
K518188		17	<0.1	2.9	28	72.0	<0.001	
K518201		2	0.1	0.1	<2	1.5	<0.001	
K518202		238	0.1	16.0	101	19.3	<0.001	
K518203		74	0.2	2.1	7	3.5	<0.001	

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

Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K518204		0.82	0.06	5.71	<0.2	90	0.51	0.04	4.17	0.19	12.95	38.8	41	0.51	70.2	11.45
K518205		0.81	0.03	6.88	0.2	60	0.68	0.23	5.58	0.07	34.6	15.5	34	0.34	21.7	4.98
K518206		0.87	0.05	8.34	0.2	50	0.79	0.03	1.73	0.06	147.5	7.1	4	0.26	33.5	4.51
K518207		0.58	0.02	0.25	0.3	10	<0.05	0.03	0.49	<0.02	2.85	1.1	32	0.07	4.7	0.85
K518208		0.62	0.03	0.48	1.0	10	0.09	0.07	0.16	<0.02	2.81	0.6	41	<0.05	4.7	0.99
K518209		1.04	0.03	7.47	0.2	230	0.64	0.05	3.51	0.22	23.4	20.7	104	0.94	35.7	4.97
K518210		0.13	0.35	6.92	54.8	140	0.44	0.05	7.17	0.55	14.40	42.4	104	0.91	176.0	7.87
K518211		0.71	0.07	5.39	0.3	350	0.70	0.09	1.79	0.02	39.7	4.8	16	0.91	20.5	3.01
K518212		1.20	0.03	6.73	1.6	100	0.80	0.04	3.04	0.16	21.1	27.8	4	1.15	29.6	14.30
K518213		1.21	0.03	1.73	0.4	30	0.29	0.03	6.21	0.22	5.65	8.9	40	0.09	17.0	5.63
K518214		0.69	0.04	6.58	<0.2	1060	1.47	0.07	5.18	0.11	121.0	39.4	526	0.41	27.3	5.35
K518215		0.54	0.01	0.26	0.5	30	<0.05	0.01	0.06	<0.02	0.50	1.0	49	0.06	13.6	1.35
K518216		2.57	0.07	4.85	1.3	30	0.72	0.55	8.30	0.13	38.8	14.3	27	0.12	47.2	10.80
K518217		1.51	0.04	2.57	4.4	40	0.35	0.40	5.04	0.11	11.70	9.5	43	0.07	63.2	6.78
K518218		1.37	0.01	7.62	0.2	360	0.95	0.08	5.02	0.07	55.0	12.2	14	0.98	14.0	5.09
K518219		2.44	1.93	1.33	0.2	70	0.11	0.18	1.14	0.03	13.20	4.5	56	0.11	929	1.81
K518220		1.60	0.03	8.30	1.1	520	1.61	0.02	5.60	0.14	58.3	42.8	63	1.13	44.3	8.71
K518221		1.81	0.05	7.47	<0.2	140	0.32	0.08	7.54	0.09	10.40	52.6	198	0.53	39.8	8.88
K518222		1.19	0.11	8.88	<0.2	340	0.84	0.03	3.63	0.06	25.4	26.4	28	0.82	183.0	5.12
K518223		0.79	0.06	8.26	<0.2	320	0.84	0.04	3.83	0.08	24.5	18.1	55	1.00	91.6	4.01
K518224		1.06	0.02	8.23	<0.2	160	0.88	0.01	3.99	0.09	29.7	32.4	55	0.35	17.2	6.80
K518225		0.93	0.06	7.71	<0.2	120	0.27	0.05	6.98	0.08	7.86	49.6	176	0.28	25.6	9.09
K518226		0.91	0.06	8.06	<0.2	310	0.84	0.04	4.43	0.08	26.2	20.8	30	0.60	59.1	4.57
K518227		1.22	0.03	7.70	<0.2	30	0.20	0.01	7.51	0.09	4.92	51.0	217	0.24	81.7	8.46
K518228		0.70	0.02	7.92	1.6	170	0.46	0.03	6.99	0.13	7.71	50.2	215	0.39	54.8	8.79
K518229		1.25	0.06	7.43	0.9	330	1.01	0.06	3.92	0.05	21.0	18.0	20	0.99	17.4	4.92
K518230		0.07	0.34	7.21	54.7	140	0.43	0.04	7.02	0.59	13.40	40.9	105	0.92	179.5	7.47
K518251		0.61	0.03	7.93	0.3	130	0.90	0.06	4.01	0.09	17.30	23.2	102	0.58	19.0	5.86
K518252		0.88	0.06	7.85	<0.2	290	0.18	0.07	8.06	0.10	3.48	40.1	291	0.53	98.8	6.40
K518253		1.11	0.01	8.25	0.2	60	0.82	0.02	1.92	0.02	32.4	19.6	60	0.29	3.3	3.88
K518254		0.82	0.03	7.98	<0.2	110	0.93	0.09	2.78	0.04	27.8	15.7	55	0.31	17.9	3.39

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Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K518204		18.10	0.09	1.8	<0.005	0.083	0.39	4.1	9.5	2.15	1650	1.44	1.92	3.9	30.7	540
K518205		19.55	0.08	1.9	<0.005	0.040	0.24	16.2	7.9	1.10	701	1.75	2.16	5.1	21.4	650
K518206		19.75	0.18	5.4	<0.005	0.021	0.23	66.7	14.4	1.01	562	0.39	6.81	13.0	1.8	880
K518207		1.30	<0.05	0.1	<0.005	0.006	0.01	1.3	3.5	0.11	126	2.49	0.09	0.2	2.4	40
K518208		1.14	<0.05	0.2	<0.005	<0.005	0.03	1.5	0.9	0.07	89	83.3	0.31	0.3	2.3	60
K518209		17.20	0.09	2.8	<0.005	0.038	0.88	10.0	22.0	2.48	911	1.29	2.86	3.8	98.1	740
K518210		14.95	0.09	1.7	0.041	0.072	0.45	6.1	12.5	3.56	1245	1.38	1.63	3.4	83.7	420
K518211		11.40	0.08	3.5	<0.005	0.042	1.49	19.0	18.1	0.70	353	1.40	1.44	6.5	5.2	380
K518212		25.1	0.12	4.1	<0.005	0.130	0.31	7.4	16.9	1.62	1965	5.05	3.00	7.9	1.0	1060
K518213		8.38	0.08	0.3	<0.005	0.056	0.11	2.6	1.0	0.17	947	3.95	0.62	1.3	3.2	300
K518214		16.45	0.20	3.1	<0.005	0.044	1.08	54.9	17.4	5.84	949	0.48	2.84	3.8	280	1310
K518215		0.65	<0.05	<0.1	<0.005	<0.005	0.07	<0.5	0.8	0.02	146	3.89	0.15	<0.1	3.7	10
K518216		19.75	0.13	1.8	<0.005	0.058	0.06	17.3	4.9	1.20	933	2.14	0.08	3.0	11.9	630
K518217		11.60	0.08	0.5	<0.005	0.036	0.02	5.6	3.6	0.41	517	3.85	0.01	0.9	7.4	230
K518218		18.85	0.14	3.1	<0.005	0.056	1.12	23.7	25.0	1.14	749	1.11	1.03	7.7	11.0	1050
K518219		5.36	0.07	0.1	0.009	0.012	0.37	9.8	3.0	0.25	201	4.26	0.48	0.6	7.2	70
K518220		24.0	0.21	1.9	<0.005	0.097	1.17	23.5	13.4	2.87	1275	1.19	2.58	8.2	70.6	2460
K518221		16.25	0.13	0.7	<0.005	0.067	0.65	4.1	14.5	4.64	1630	0.54	1.31	1.9	135.5	260
K518222		22.7	0.15	2.8	<0.005	0.039	1.10	9.5	17.7	1.92	753	0.34	3.78	5.0	29.9	740
K518223		19.90	0.08	1.9	<0.005	0.034	1.26	8.7	14.8	1.80	787	0.50	3.60	4.8	41.9	570
K518224		15.60	0.10	3.8	<0.005	0.048	0.49	13.8	26.1	2.53	1105	2.28	3.13	8.7	53.1	700
K518225		15.15	0.08	0.8	<0.005	0.067	0.42	3.4	18.8	4.76	1635	0.54	1.81	1.6	138.5	240
K518226		19.25	0.06	3.1	<0.005	0.040	1.06	11.4	17.3	2.12	765	0.94	2.78	6.8	59.1	530
K518227		14.45	0.07	0.7	<0.005	0.060	0.21	1.8	7.9	5.06	1445	0.24	1.58	1.4	165.0	200
K518228		14.80	0.07	0.6	<0.005	0.054	0.58	3.9	23.7	4.99	1465	0.28	2.52	1.5	144.0	210
K518229		18.90	0.07	3.4	<0.005	0.044	0.81	8.5	26.1	1.60	662	1.05	2.35	6.6	29.2	590
K518230		15.10	0.07	1.6	0.032	0.080	0.47	5.5	12.4	3.63	1280	1.47	1.62	3.3	84.9	440
K518251		19.05	0.09	3.8	<0.005	0.047	0.35	6.3	15.1	2.20	995	0.75	2.64	8.3	71.1	780
K518252		13.40	0.07	0.4	<0.005	0.042	1.18	1.3	18.2	5.57	1275	1.61	1.39	0.9	109.5	170
K518253		18.95	0.13	3.7	<0.005	0.018	0.20	15.8	14.2	1.72	406	1.16	4.17	5.5	50.2	490
K518254		21.2	0.17	3.6	<0.005	0.034	0.37	11.2	8.3	1.49	624	2.55	3.85	7.0	39.9	660

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

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

Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

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
K518204		3.0	11.8	<0.002	0.10	0.14	36.3	1	1.1	117.5	0.23	<0.05	0.45	0.863	0.06	0.1
K518205		5.3	5.8	<0.002	0.09	0.09	15.1	1	0.9	79.1	0.34	<0.05	1.68	0.447	0.04	0.4
K518206		8.3	3.1	<0.002	0.01	0.05	6.7	1	0.8	227	0.62	<0.05	10.60	0.318	0.02	2.1
K518207		0.8	0.6	<0.002	<0.01	0.09	0.6	<1	<0.2	31.2	<0.05	<0.05	0.09	0.010	<0.02	<0.1
K518208		1.3	0.7	0.013	0.04	<0.05	0.6	<1	<0.2	28.5	<0.05	<0.05	0.15	0.028	<0.02	<0.1
K518209		2.9	22.6	<0.002	0.11	<0.05	13.8	1	1.0	297	0.27	<0.05	1.04	0.418	0.13	0.3
K518210		25.4	15.4	0.002	0.37	1.48	38.9	1	0.9	221	0.21	0.11	0.93	0.574	0.22	0.3
K518211		2.6	65.6	<0.002	0.01	0.07	7.4	1	0.9	145.0	0.42	<0.05	2.26	0.240	0.18	0.6
K518212		2.6	12.2	0.003	0.12	<0.05	36.9	1	1.4	75.4	0.43	<0.05	0.88	1.050	0.06	0.2
K518213		3.3	3.4	<0.002	0.13	0.35	5.4	<1	0.8	68.8	0.06	<0.05	0.12	0.115	0.02	0.3
K518214		10.8	25.3	<0.002	0.02	0.11	20.2	<1	1.0	842	0.25	<0.05	10.30	0.316	0.13	1.9
K518215		0.8	2.0	<0.002	<0.01	0.15	0.1	<1	<0.2	5.8	<0.05	<0.05	0.03	<0.005	<0.02	<0.1
K518216		9.1	0.8	<0.002	1.78	0.19	10.9	1	1.0	368	0.23	0.08	1.50	0.281	<0.02	0.4
K518217		4.7	0.7	<0.002	1.21	0.22	3.1	2	0.5	228	0.07	0.19	0.35	0.091	<0.02	0.1
K518218		3.9	42.4	<0.002	0.05	0.24	16.6	1	1.3	265	0.56	<0.05	2.87	0.523	0.14	0.7
K518219		1.6	9.4	<0.002	0.14	0.07	3.2	1	0.2	96.7	<0.05	0.05	0.53	0.102	0.05	0.2
K518220		6.3	36.4	<0.002	0.15	0.09	27.5	1	1.4	486	0.45	<0.05	2.32	1.175	0.23	1.0
K518221		2.0	16.9	<0.002	0.02	0.05	46.4	1	0.5	193.5	0.12	0.05	0.16	0.443	0.08	0.1
K518222		5.6	25.1	<0.002	0.25	0.05	14.8	1	0.8	697	0.32	<0.05	0.80	0.493	0.16	0.3
K518223		3.5	21.2	<0.002	0.14	0.07	13.4	1	0.8	640	0.29	<0.05	1.58	0.362	0.19	0.5
K518224		3.0	7.8	0.002	0.04	<0.05	18.2	<1	1.0	245	0.60	<0.05	1.28	0.618	0.07	0.3
K518225		2.7	10.3	<0.002	0.01	<0.05	43.9	<1	0.8	189.5	0.10	<0.05	0.17	0.454	0.06	0.1
K518226		2.5	16.2	<0.002	0.04	<0.05	13.6	<1	1.3	290	0.48	<0.05	1.31	0.316	0.15	0.4
K518227		0.9	3.6	<0.002	<0.01	<0.05	39.3	<1	0.4	124.5	0.09	<0.05	0.12	0.399	0.03	<0.1
K518228		1.8	15.6	<0.002	0.02	0.76	38.4	<1	0.4	337	0.09	<0.05	0.17	0.394	0.07	<0.1
K518229		2.6	19.2	<0.002	0.12	0.14	15.0	<1	1.5	287	0.49	<0.05	1.50	0.389	0.11	0.5
K518230		25.7	14.0	0.002	0.37	1.54	37.4	1	1.0	231	0.22	0.12	0.99	0.568	0.23	0.3
K518251		3.6	12.7	<0.002	0.01	0.06	14.4	<1	1.4	333	0.58	0.05	1.39	0.555	0.07	0.3
K518252		2.0	50.8	<0.002	0.04	0.12	41.8	1	0.2	235	0.06	0.10	0.10	0.356	0.26	<0.1
K518253		1.6	3.2	<0.002	<0.01	<0.05	8.6	1	1.3	151.5	0.49	<0.05	2.46	0.246	0.02	0.6
K518254		2.9	9.6	<0.002	0.06	0.06	9.4	1	1.0	238	0.54	<0.05	1.77	0.349	0.05	0.5

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

Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

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	Au-ICP22 Au ppm 0.001	Au-GRA22 Au ppm 0.05
K518204		331	0.2	30.1	145	61.0	<0.001	
K518205		104	0.3	16.1	69	76.6	<0.001	
K518206		95	0.3	28.0	58	235	<0.001	
K518207		7	0.1	1.1	7	2.4	<0.001	
K518208		5	0.1	0.6	3	9.0	<0.001	
K518209		114	0.1	11.6	118	122.5	<0.001	
K518210		261	26.8	20.9	143	58.8	1.195	
K518211		19	0.2	15.6	38	143.5	<0.001	
K518212		97	0.4	56.7	195	176.0	<0.001	
K518213		111	0.2	14.1	28	11.0	<0.001	
K518214		142	0.2	17.9	99	131.5	<0.001	
K518215		2	0.1	0.1	<2	0.7	<0.001	
K518216		97	0.4	14.5	62	68.4	<0.001	
K518217		46	0.4	5.2	20	18.3	<0.001	
K518218		83	0.3	23.5	58	140.5	0.002	
K518219		39	0.1	2.9	14	4.6	0.003	
K518220		217	0.2	41.3	135	62.1	<0.001	
K518221		258	0.1	18.8	110	20.1	<0.001	
K518222		156	0.1	15.1	77	112.0	<0.001	
K518223		110	0.1	10.8	63	75.5	<0.001	
K518224		155	0.1	15.6	119	151.0	<0.001	
K518225		271	0.1	18.9	88	22.9	<0.001	
K518226		105	0.1	13.3	81	124.0	<0.001	
K518227		249	<0.1	15.6	92	17.0	0.001	
K518228		250	0.1	14.7	105	12.7	<0.001	
K518229		132	0.2	15.7	62	127.5	<0.001	
K518230		261	25.6	20.3	152	56.2	1.190	
K518251		114	0.2	17.2	94	154.0	<0.001	
K518252		230	0.1	9.6	64	10.6	0.002	
K518253		63	0.1	9.9	29	156.0	<0.001	
K518254		74	0.3	11.9	64	150.5	0.001	

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

Finalized Date: 6-JUN-2024
Account: HASCAN

Project: 24NOR.R.00001

CERTIFICATE OF ANALYSIS TM24136695

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-GRA22	Au-ICP22	Hg-MS42	ME-MS61
TRSPEC-20			

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To: **BARRICK GOLD INC.**
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 15-AUG-2024
Account: HASCAN

SD24184967

Project: NOR

P.O. No.: 4500895030

This report is for 75 samples of Till submitted to our lab in Sudbury, ON, Canada on 10-JUL-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
DRY-22	Drying - Maximum Temp 60C
SCR-44	Screen to -63um
SPL-33	Split Sample - scoop split
TRSPEC-20	Spectral Scan VNIR and SWIR - Coarse

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-ST44	50g Super Trace Au + Multi Element PKG	

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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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 15-AUG-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	AuME-ST44 Au ppm 0.0001	AuME-ST44 Ag ppm 0.001	AuME-ST44 Al % 0.01	AuME-ST44 As ppm 0.01	AuME-ST44 B ppm 2	AuME-ST44 Ba ppm 0.05	AuME-ST44 Be ppm 0.005	AuME-ST44 Bi ppm 0.0005	AuME-ST44 Ca % 0.01	AuME-ST44 Cd ppm 0.001	AuME-ST44 Ce ppm 0.001	AuME-ST44 Co ppm 0.001	AuME-ST44 Cr ppm 0.01	AuME-ST44 Cs ppm 0.001
K518501		1.58	0.0132	0.031	2.52	1.96	<2	34.9	0.612	0.279	0.09	0.059	23.7	5.75	43.2	0.616
K518502		1.28	0.0044	0.035	1.46	0.95	<2	59.4	0.368	0.1050	0.11	0.044	20.7	5.48	23.9	0.672
K518503		1.29	0.0074	0.080	1.79	1.45	2	34.7	0.355	0.1315	0.11	0.060	21.6	5.10	27.3	0.630
K518504		1.35	0.0057	0.114	1.66	3.28	<2	85.7	0.406	0.1385	0.11	0.112	23.4	4.48	32.3	0.590
K518505		2.15	0.0028	0.022	0.52	1.06	<2	94.6	0.284	0.0908	0.33	0.033	37.5	5.17	28.3	0.352
K518506		1.09	0.0069	0.026	1.50	1.11	2	64.5	0.413	0.1075	0.24	0.036	48.7	7.78	46.1	0.761
K518507		1.20	0.0201	0.016	1.24	1.50	<2	72.7	0.296	0.0954	0.34	0.029	28.4	8.90	36.8	0.856
K518508		1.08	0.0033	0.095	1.52	1.41	<2	36.8	0.382	0.1090	0.18	0.048	36.5	5.65	29.6	0.395
K518509		Not Recvd														
K518510		1.23	0.0022	0.017	1.02	0.47	<2	28.5	0.227	0.0592	0.10	0.028	23.2	2.78	17.90	0.425
K518511		2.88	0.0019	0.034	0.98	0.56	<2	41.0	0.181	0.0978	0.12	0.046	16.55	3.64	21.3	0.712
K518513		1.40	0.0042	0.007	0.92	0.80	<2	41.0	0.221	0.0727	0.29	0.028	24.7	4.92	29.1	0.384
K518515		0.14	0.0314	0.101	0.80	8.40	2	62.3	0.186	0.1465	0.56	0.489	44.2	46.8	29.2	1.015
K518516		0.14	0.0001	0.002	0.03	0.25	<2	2.09	<0.005	0.0055	<0.01	<0.001	1.095	0.379	5.28	0.030
K518517		1.30	0.0018	0.097	0.81	0.81	<2	74.8	0.274	0.225	0.14	0.049	22.1	3.08	21.3	1.045
K518519		1.22	0.0180	0.068	1.64	1.17	<2	21.8	0.413	0.1330	0.13	0.049	25.2	3.91	30.2	0.523
K518521		2.12	0.0045	0.043	1.01	1.32	<2	68.9	0.241	0.1150	0.22	0.068	18.55	4.27	34.4	0.703
K518523		1.01	0.0034	0.035	1.51	0.91	<2	30.1	0.271	0.0657	0.14	0.056	21.2	6.19	33.4	0.445
K518524		1.11	0.0020	0.088	1.61	1.12	<2	34.1	0.383	0.1040	0.10	0.057	23.8	3.65	31.5	0.884
K518525		1.85	0.0298	0.026	1.36	2.78	2	48.4	0.454	0.1300	0.27	0.045	46.1	10.80	57.4	0.750
K518526		1.00	0.0056	0.078	1.80	3.65	2	61.5	0.424	0.1855	0.18	0.135	20.6	9.66	62.7	1.865
K518527		1.32	0.0222	0.039	1.56	3.11	<2	19.75	0.331	0.397	0.17	0.062	16.15	5.25	39.5	0.934
K518528		1.44	0.0071	0.014	1.22	1.10	<2	33.1	0.248	0.0923	0.17	0.028	21.0	4.72	38.3	1.105
K518529		2.02	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
K518530		1.26	0.0071	0.051	1.77	2.35	<2	44.5	0.626	0.1040	0.13	0.052	34.6	6.70	45.0	1.645
K518531		1.69	0.0220	0.847	1.87	2.20	<2	33.7	0.386	0.1615	0.12	0.152	20.0	7.68	36.5	1.460
K518532		1.27	0.0045	0.013	0.90	0.78	<2	21.8	0.224	0.0646	0.16	0.047	21.6	5.32	24.1	0.295
K518533		1.37	0.0030	0.009	0.94	0.36	<2	66.5	0.226	0.0650	0.20	0.039	19.30	4.25	26.4	0.678
K518534		0.14	0.0001	0.002	0.03	0.24	<2	2.22	<0.005	0.0070	<0.01	0.001	1.150	0.400	5.32	0.032
K518551		1.54	0.0028	0.125	0.50	0.87	<2	21.5	0.076	0.271	0.09	0.070	14.30	1.300	14.65	1.025
K518552		1.05	0.0024	0.056	1.50	1.48	<2	45.2	0.299	0.0965	0.16	0.050	19.50	5.48	30.3	0.439
K518553		1.52	0.0024	0.016	1.24	0.75	<2	37.5	0.270	0.0598	0.29	0.028	21.8	5.19	33.8	0.383
K518554		1.14	0.0027	0.007	0.79	0.63	<2	37.3	0.247	0.0650	0.29	0.019	30.1	4.49	28.9	0.339
K518555		1.24	0.0020	0.006	0.78	0.59	<2	36.6	0.241	0.0645	0.28	0.020	30.5	4.51	29.1	0.343
K518556		1.23	0.0025	0.007	0.76	0.67	<2	36.7	0.238	0.0682	0.28	0.022	29.3	4.45	29.5	0.329
K518557		1.17	0.0053	0.007	0.90	0.61	<2	36.4	0.255	0.0638	0.19	0.018	28.0	4.25	25.3	0.398
K518558		1.35	0.0027	0.007	0.92	0.62	<2	37.2	0.257	0.0668	0.20	0.019	29.7	4.46	26.3	0.427
K518559		1.89	0.0029	0.058	0.89	0.98	<2	53.8	0.302	0.205	0.12	0.076	21.4	2.98	22.8	1.440
K518560		1.21	0.0037	0.079	1.66	1.02	<2	31.6	0.371	0.1000	0.16	0.092	23.6	4.53	29.9	0.431
K518561		0.88	0.0016	0.090	1.66	0.90	<2	38.3	0.262	0.0705	0.17	0.083	16.20	6.88	38.4	0.538

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Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.01	0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002
K518501		15.15	2.33	5.79	0.038	0.244	0.054	0.021	0.02	9.00	10.5	0.17	55.4	3.37	0.004	2.01
K518502		6.60	1.160	2.98	0.033	0.089	0.031	0.013	0.03	7.74	8.3	0.18	63.1	0.304	0.005	0.967
K518503		8.01	1.410	3.39	0.036	0.069	0.055	0.013	0.04	8.65	10.0	0.19	66.5	0.362	0.005	1.645
K518504		11.50	2.10	5.71	0.033	0.039	0.067	0.017	0.03	9.46	13.1	0.17	62.4	0.680	0.003	1.810
K518505		28.1	1.110	1.835	0.084	0.093	0.004	0.007	0.03	18.05	4.9	0.23	159.5	0.485	0.011	0.671
K518506		15.20	1.730	4.51	0.064	0.064	0.020	0.013	0.07	20.4	12.2	0.43	222	0.207	0.012	0.629
K518507		72.8	1.710	4.80	0.068	0.044	0.015	0.009	0.04	15.45	10.8	0.52	231	0.703	0.007	0.441
K518508		14.30	1.240	2.15	0.056	0.012	0.067	0.012	0.02	9.28	5.9	0.19	77.6	0.499	0.006	1.290
K518509																
K518510		5.58	0.750	3.00	0.036	0.021	0.039	0.008	0.02	11.30	5.9	0.14	49.7	0.259	0.005	1.035
K518511		6.12	0.770	3.63	0.029	0.008	0.042	0.009	0.03	7.90	8.6	0.22	100.5	0.351	0.003	0.849
K518513		14.00	1.150	2.92	0.064	0.075	0.011	0.010	0.04	11.70	6.4	0.30	128.5	0.240	0.010	0.924
K518515		155.0	1.600	2.93	0.092	0.160	0.017	0.036	0.11	26.1	8.4	0.48	262	12.10	0.083	0.424
K518516		3.91	0.320	0.076	<0.005	0.016	<0.002	<0.005	<0.01	0.552	0.3	<0.01	34.5	0.385	<0.001	0.049
K518517		7.17	1.190	4.53	0.035	0.019	0.026	0.011	0.03	11.60	12.4	0.19	112.0	1.075	0.002	1.510
K518519		18.90	1.490	3.57	0.032	0.054	0.101	0.013	0.02	9.75	6.7	0.16	64.7	0.663	0.005	1.555
K518521		15.85	1.550	4.66	0.031	0.033	0.034	0.010	0.04	7.72	7.8	0.30	96.3	1.130	0.007	1.485
K518523		9.18	1.120	2.54	0.029	0.052	0.051	0.007	0.02	6.44	6.9	0.23	73.9	0.227	0.008	1.180
K518524		8.98	1.500	4.29	0.040	0.029	0.061	0.012	0.03	9.82	9.1	0.16	60.7	0.615	0.002	1.715
K518525		24.0	2.65	3.69	0.086	0.100	0.026	0.010	0.06	18.65	9.9	0.32	186.0	0.847	0.006	1.420
K518526		24.4	2.16	6.26	0.050	0.109	0.051	0.023	0.06	9.32	15.4	0.49	316	0.701	0.004	1.775
K518527		26.9	2.01	4.32	0.034	0.032	0.098	0.018	0.02	8.11	8.4	0.32	116.5	1.465	<0.001	1.465
K518528		15.85	1.040	3.25	0.042	0.116	0.035	0.009	0.02	11.40	8.3	0.30	88.7	0.422	0.007	1.255
K518529		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
K518530		41.4	1.780	4.88	0.062	0.083	0.052	0.018	0.03	14.55	14.2	0.23	106.5	3.04	0.003	1.815
K518531		14.55	1.610	3.47	0.033	0.055	0.092	0.018	0.03	9.58	9.9	0.23	121.0	1.835	0.005	1.340
K518532		10.20	0.970	1.835	0.041	0.063	0.021	0.005	0.02	7.35	4.9	0.16	86.1	0.150	0.008	0.898
K518533		7.14	0.890	3.15	0.032	0.077	0.016	0.007	0.03	9.90	8.4	0.26	84.2	0.205	0.008	0.852
K518534		3.94	0.320	0.086	0.006	0.017	0.002	<0.005	<0.01	0.586	0.4	<0.01	36.1	0.382	<0.001	0.052
K518551		6.37	0.520	4.48	0.039	0.031	0.031	0.007	0.03	7.66	3.2	0.08	46.3	1.315	<0.001	1.680
K518552		9.37	1.180	2.40	0.034	0.043	0.041	0.009	0.02	7.67	6.5	0.19	69.4	0.346	0.013	1.330
K518553		12.10	1.090	2.47	0.049	0.038	0.025	0.010	0.03	11.30	6.5	0.27	92.9	0.324	0.012	1.195
K518554		14.15	1.030	2.16	0.054	0.068	0.009	0.009	0.03	15.20	5.6	0.24	123.0	0.128	0.014	0.534
K518555		14.25	1.020	2.32	0.062	0.066	0.011	0.009	0.03	15.20	5.5	0.24	120.5	0.140	0.013	0.551
K518556		14.60	1.020	2.26	0.058	0.080	0.008	0.007	0.03	15.15	5.5	0.24	121.0	0.145	0.013	0.499
K518557		9.70	0.970	2.65	0.045	0.049	0.014	0.006	0.02	13.80	5.9	0.21	89.5	0.145	0.009	0.787
K518558		10.10	1.000	2.49	0.047	0.047	0.015	0.007	0.02	14.25	6.1	0.21	92.7	0.148	0.010	0.809
K518559		7.33	1.070	4.20	0.033	0.036	0.030	0.012	0.03	11.10	8.0	0.18	74.4	0.626	0.004	1.650
K518560		8.26	1.230	3.00	0.036	0.024	0.064	0.012	0.02	8.60	6.2	0.18	60.8	0.484	0.007	1.500
K518561		9.19	1.420	3.34	0.031	0.047	0.041	0.014	0.03	7.04	8.0	0.26	83.0	0.320	0.010	1.370

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

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161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 15-AUG-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001
K518501		19.00	0.0334	11.55	<0.001	<0.001	3.18	<0.0002	0.063	0.075	3.54	0.386	0.51	8.43	<0.005	0.023
K518502		16.35	0.0233	6.56	<0.001	<0.001	4.60	<0.0002	0.016	0.031	1.710	0.137	0.32	9.73	<0.005	0.006
K518503		14.15	0.0283	6.75	<0.001	<0.001	4.58	<0.0002	0.012	0.033	2.01	0.247	0.34	8.72	<0.005	0.010
K518504		14.25	0.0270	9.22	<0.001	<0.001	4.29	<0.0002	0.019	0.049	2.14	0.345	0.49	10.95	<0.005	0.012
K518505		15.95	0.0549	6.83	<0.001	<0.001	3.36	0.0004	0.002	0.031	2.29	0.061	0.27	22.2	<0.005	0.014
K518506		23.1	0.0319	6.76	<0.001	<0.001	9.70	<0.0002	0.002	0.035	3.48	0.098	0.46	22.8	<0.005	0.011
K518507		26.5	0.0300	7.21	<0.001	<0.001	6.23	<0.0002	<0.002	0.116	3.36	0.068	0.44	28.8	<0.005	0.013
K518508		16.15	0.0468	9.75	<0.001	<0.001	2.30	0.0002	0.017	0.035	1.835	0.329	0.23	13.30	<0.005	0.013
K518509																
K518510		8.22	0.0111	4.16	<0.001	<0.001	3.09	<0.0002	0.005	0.020	1.705	0.161	0.33	9.65	<0.005	0.003
K518511		12.20	0.0198	6.02	<0.001	<0.001	4.78	<0.0002	0.008	0.026	1.255	0.161	0.35	9.51	<0.005	0.007
K518513		15.90	0.0399	4.66	<0.001	<0.001	3.84	<0.0002	0.002	0.031	2.42	0.079	0.30	26.2	<0.005	0.009
K518515		75.0	0.0524	270	0.042	0.026	6.86	0.0004	0.041	0.202	3.04	0.070	2.37	33.4	<0.005	0.011
K518516		3.15	0.0008	0.251	<0.001	<0.001	0.099	<0.0002	<0.002	0.031	0.068	0.004	0.29	0.23	<0.005	0.001
K518517		10.10	0.0130	7.23	<0.001	<0.001	5.28	<0.0002	0.007	0.045	1.355	0.138	0.47	12.70	<0.005	0.017
K518519		12.15	0.0301	10.35	<0.001	<0.001	2.54	0.0007	0.018	0.037	1.895	0.456	0.31	10.10	<0.005	0.012
K518521		20.5	0.0276	6.06	<0.001	<0.001	4.28	<0.0002	0.008	0.046	1.615	0.233	0.40	24.0	<0.005	0.020
K518523		21.8	0.0219	5.18	<0.001	<0.001	2.22	0.0002	0.021	0.022	1.880	0.224	0.25	10.80	<0.005	0.008
K518524		13.35	0.0197	7.49	0.001	<0.001	4.66	<0.0002	0.024	0.035	1.995	0.327	0.41	7.48	<0.005	0.011
K518525		27.3	0.0556	10.40	<0.001	0.001	6.37	0.0004	0.009	0.069	2.34	0.247	0.40	16.65	<0.005	0.035
K518526		32.9	0.0567	9.69	<0.001	<0.001	11.65	0.0002	0.011	0.137	2.44	0.453	0.57	16.00	<0.005	0.077
K518527		17.75	0.0444	6.33	<0.001	<0.001	2.73	0.0003	0.020	0.091	1.835	0.622	0.29	14.10	<0.005	0.124
K518528		19.85	0.0214	7.03	<0.001	<0.001	2.93	0.0004	0.020	0.051	1.890	0.206	0.34	15.45	<0.005	0.009
K518529		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
K518530		21.3	0.0404	7.24	<0.001	0.001	6.08	0.0006	0.040	0.079	2.42	0.311	0.45	8.94	<0.005	0.022
K518531		19.00	0.0512	32.6	<0.001	<0.001	5.67	0.0002	0.020	0.056	2.14	0.422	0.30	7.48	<0.005	0.070
K518532		14.70	0.0299	4.73	<0.001	<0.001	2.01	<0.0002	0.016	0.021	1.365	0.101	0.22	13.25	<0.005	0.007
K518533		15.05	0.0125	4.76	<0.001	<0.001	4.65	<0.0002	<0.002	0.021	1.690	0.060	0.33	17.90	<0.005	0.005
K518534		3.16	0.0008	0.259	<0.001	<0.001	0.110	<0.0002	<0.002	0.032	0.071	0.003	0.30	0.21	<0.005	<0.001
K518551		5.98	0.0112	13.70	<0.001	<0.001	4.13	0.0002	0.003	0.062	0.803	0.164	0.74	11.10	<0.005	0.014
K518552		18.05	0.0397	6.26	<0.001	<0.001	2.81	0.0004	0.016	0.033	1.645	0.232	0.24	14.05	<0.005	0.010
K518553		18.80	0.0553	4.39	<0.001	<0.001	2.60	0.0002	0.008	0.020	2.04	0.204	0.22	15.95	<0.005	0.006
K518554		14.95	0.0342	4.48	<0.001	<0.001	2.67	<0.0002	<0.002	0.020	2.45	0.067	0.28	23.3	<0.005	0.005
K518555		15.00	0.0334	4.37	<0.001	<0.001	2.55	0.0002	<0.002	0.017	2.58	0.061	0.27	22.7	<0.005	0.006
K518556		15.20	0.0351	4.42	0.001	<0.001	2.59	<0.0002	<0.002	0.025	2.59	0.059	0.26	23.6	<0.005	0.006
K518557		12.50	0.0211	4.28	<0.001	<0.001	2.94	<0.0002	<0.002	0.023	2.34	0.093	0.28	16.25	<0.005	0.004
K518558		12.80	0.0218	4.44	<0.001	<0.001	2.91	<0.0002	0.002	0.021	2.28	0.098	0.30	16.85	<0.005	0.006
K518559		9.98	0.0191	11.20	<0.001	<0.001	5.99	0.0002	0.010	0.049	1.310	0.221	0.47	10.45	<0.005	0.019
K518560		14.75	0.0347	7.27	<0.001	<0.001	2.47	<0.0002	0.019	0.031	1.760	0.401	0.29	11.10	<0.005	0.009
K518561		21.8	0.0227	4.82	<0.001	<0.001	3.67	<0.0002	0.010	0.025	2.05	0.222	0.30	13.35	<0.005	0.007

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TORONTO ON M5J 2S1

Finalized Date: 15-AUG-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

Sample Description	Method Analyte Units LOD	AuME-ST44 Th ppm 0.0005	AuME-ST44 Ti % 0.0001	AuME-ST44 Tl ppm 0.0005	AuME-ST44 U ppm 0.0005	AuME-ST44 V ppm 0.05	AuME-ST44 W ppm 0.001	AuME-ST44 Y ppm 0.001	AuME-ST44 Zn ppm 0.1	AuME-ST44 Zr ppm 0.01
K518501		4.95	0.1065	0.0380	0.751	50.6	0.142	4.11	11.6	7.12
K518502		3.34	0.0687	0.0354	0.418	23.9	0.087	2.38	13.6	3.56
K518503		3.06	0.0700	0.0390	0.467	27.2	0.102	2.84	12.8	2.44
K518504		2.12	0.0785	0.0497	1.265	42.6	0.122	3.74	14.2	1.64
K518505		4.53	0.0731	0.0413	0.648	29.7	0.126	5.97	16.8	4.14
K518506		6.06	0.1115	0.0738	0.615	40.6	0.102	5.61	21.7	3.77
K518507		3.00	0.1240	0.0675	0.652	44.3	0.037	5.72	39.4	2.79
K518508		1.790	0.0632	0.0268	0.446	27.9	0.109	3.80	16.4	0.48
K518509										
K518510		2.82	0.0598	0.0399	0.394	19.60	0.062	3.09	9.3	1.00
K518511		1.510	0.0569	0.0473	0.435	17.95	0.069	2.01	18.8	0.41
K518513		3.19	0.0886	0.0372	0.516	27.9	0.118	3.90	15.2	3.87
K518515		3.12	0.0731	0.0803	0.444	25.2	0.103	5.46	201	6.21
K518516		0.396	0.0022	0.0013	0.0615	0.77	0.037	0.213	3.0	0.46
K518517		2.52	0.0710	0.0428	0.609	35.6	0.084	2.45	25.6	0.91
K518519		2.67	0.0696	0.0398	0.641	26.6	0.084	3.92	20.0	1.95
K518521		1.690	0.0932	0.0363	0.697	23.8	0.081	3.06	27.2	1.42
K518523		2.13	0.0788	0.0264	0.342	20.7	0.076	2.91	13.0	1.98
K518524		3.23	0.0888	0.0486	0.500	28.6	0.121	3.76	20.0	1.35
K518525		6.65	0.1235	0.0513	0.738	60.6	0.289	7.87	19.6	4.57
K518526		3.62	0.1220	0.1040	0.527	45.7	0.343	3.05	36.5	5.12
K518527		1.645	0.0713	0.0567	0.601	26.4	0.233	3.52	21.2	1.50
K518528		3.45	0.0917	0.0524	0.472	23.1	0.129	3.52	16.8	4.56
K518529		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
K518530		4.24	0.0883	0.0923	0.703	31.8	0.172	4.33	17.6	4.14
K518531		3.26	0.0617	0.0699	0.465	26.7	0.131	3.52	58.5	2.23
K518532		2.90	0.0716	0.0222	0.352	21.8	0.082	3.28	11.0	2.66
K518533		2.99	0.0820	0.0392	0.549	20.6	0.061	3.16	16.6	3.27
K518534		0.411	0.0025	0.0009	0.0608	0.80	0.036	0.234	3.1	0.46
K518551		2.03	0.1210	0.0620	0.419	22.6	0.064	1.655	8.9	1.12
K518552		2.22	0.0647	0.0289	0.429	24.7	0.089	3.19	14.6	1.58
K518553		2.28	0.0677	0.0268	0.677	21.8	0.074	4.94	14.2	1.66
K518554		3.48	0.0875	0.0346	0.472	24.1	0.074	6.64	12.6	3.35
K518555		3.43	0.0862	0.0338	0.454	24.3	0.076	6.65	12.4	3.40
K518556		3.42	0.0848	0.0350	0.455	24.5	0.079	6.73	12.6	3.66
K518557		3.21	0.0822	0.0403	0.467	22.9	0.078	6.11	11.7	2.26
K518558		3.28	0.0840	0.0389	0.479	23.7	0.077	6.35	12.3	2.36
K518559		2.67	0.0847	0.0591	0.470	25.8	0.084	2.98	18.8	1.58
K518560		1.355	0.0691	0.0349	0.491	21.5	0.079	3.98	12.2	1.03
K518561		1.985	0.0842	0.0363	0.333	27.4	0.073	3.29	17.8	1.94

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Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	AuME-ST44 Au ppm 0.0001	AuME-ST44 Ag ppm 0.001	AuME-ST44 Al % 0.01	AuME-ST44 As ppm 0.01	AuME-ST44 B ppm 2	AuME-ST44 Ba ppm 0.05	AuME-ST44 Be ppm 0.005	AuME-ST44 Bi ppm 0.0005	AuME-ST44 Ca % 0.01	AuME-ST44 Cd ppm 0.001	AuME-ST44 Ce ppm 0.001	AuME-ST44 Co ppm 0.001	AuME-ST44 Cr ppm 0.01	AuME-ST44 Cs ppm 0.001
K518562		1.11	0.0014	0.055	1.52	0.87	<2	48.7	0.332	0.0912	0.09	0.052	18.65	5.10	33.0	0.680
K518563		0.77	0.0053	0.075	1.30	0.99	<2	47.0	0.408	0.328	0.15	0.064	25.4	3.53	29.7	0.574
K518564		0.15	0.0313	0.106	0.78	8.42	<2	61.9	0.182	0.1445	0.55	0.481	39.3	48.9	32.3	1.170
K518566		1.01	0.0021	0.038	1.36	0.89	<2	30.1	0.288	0.0803	0.13	0.091	20.5	4.23	25.1	0.533
K518567		0.79	0.0019	0.058	1.42	1.27	<2	34.0	0.354	0.1420	0.13	0.061	22.9	4.58	29.2	0.869
K518568		0.79	0.0021	0.098	1.70	1.42	<2	60.7	0.365	0.1375	0.15	0.072	19.85	3.87	27.4	0.617
K518569		1.32	0.0031	0.036	1.00	0.88	<2	38.3	0.326	0.1130	0.16	0.053	25.4	5.04	32.2	0.519
K518570		1.16	0.0011	0.070	1.67	1.22	<2	48.6	0.315	0.0977	0.14	0.076	16.90	4.69	25.8	0.579
K518571		1.96	0.0182	0.039	1.32	0.80	<2	38.1	0.343	0.1040	0.25	0.044	37.0	4.17	29.6	0.382
K518572		2.15	0.0026	0.046	1.48	1.11	<2	44.1	0.546	0.297	0.21	0.051	39.1	7.07	32.1	0.519
K518573		1.71	0.0030	0.048	1.36	1.02	<2	35.3	0.297	0.0937	0.16	0.056	24.2	4.12	25.7	0.456
K518574		1.53	0.0021	0.038	1.40	1.17	<2	24.1	0.240	0.0720	0.17	0.049	24.5	4.91	29.3	0.398
K518575		1.88	0.0022	0.034	1.52	0.96	<2	44.1	0.324	0.0859	0.21	0.092	26.3	5.91	27.7	0.353
K518576		2.05	0.0024	0.018	1.08	0.58	<2	82.0	0.306	0.0823	0.25	0.023	26.7	5.09	30.5	0.382
K518577		1.58	0.0016	0.034	1.85	1.00	<2	78.6	0.384	0.1045	0.13	0.048	27.6	6.68	36.9	0.604
K518578		1.62	0.0035	0.033	1.32	0.66	<2	180.5	1.050	0.1270	0.21	0.012	27.3	4.11	32.7	0.487
K518579		1.58	0.0069	0.089	1.68	2.08	<2	36.1	0.468	0.1060	0.12	0.040	32.7	4.94	25.4	0.784
K518580		1.70	0.0030	0.016	0.75	0.68	<2	71.9	0.213	0.0720	0.33	0.025	28.0	4.61	34.0	0.335
K518581		1.20	0.0023	0.066	1.62	1.07	<2	54.7	0.362	0.0952	0.22	0.035	33.4	7.06	32.7	0.477
K518582		1.53	0.0250	0.116	1.53	2.41	<2	51.0	0.367	0.1450	0.10	0.041	27.3	6.42	27.5	0.638
K518584		0.14	0.0294	0.104	0.72	8.21	<2	60.0	0.172	0.1410	0.49	0.477	41.9	45.6	28.1	0.961
K518601		2.00	0.0075	0.019	0.89	0.72	<2	26.4	0.262	0.0942	0.14	0.025	30.9	4.04	23.8	0.315
K518602		1.92	0.0034	0.048	1.12	0.80	<2	16.65	0.225	0.0676	0.20	0.040	29.9	4.59	23.7	0.207
K518603		1.19	0.0027	0.082	1.38	1.66	<2	70.5	0.470	0.1120	0.17	0.045	33.0	4.79	28.5	0.737
K518604		2.66	0.0259	0.022	0.96	0.61	<2	48.2	0.250	0.0928	0.24	0.048	22.0	4.58	27.2	0.457
K518605		1.63	0.0026	0.014	1.45	0.85	<2	59.0	0.356	0.0900	0.23	0.055	32.3	8.23	40.8	0.466
K518606		1.53	0.0019	0.017	1.37	0.86	<2	37.3	0.301	0.0705	0.13	0.049	29.4	4.71	30.2	0.453
K518607		2.33	0.0013	0.009	0.71	0.40	<2	26.0	0.130	0.0970	0.09	0.018	18.10	2.37	17.80	0.795
K518608		0.62	0.0125	0.053	1.85	2.05	2	84.2	0.568	0.233	0.22	0.046	36.3	10.70	78.0	1.495
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K518611		0.85	0.0063	0.101	1.34	2.92	<2	38.0	0.383	0.1660	0.09	0.037	30.9	6.93	30.5	0.687
K518612		0.97	0.0085	0.261	1.35	1.72	<2	21.6	0.283	0.0820	0.12	0.069	18.90	6.42	35.4	0.866
K518613		0.83	0.0043	0.194	1.80	3.03	2	42.8	0.456	0.1710	0.13	0.069	26.5	8.54	42.9	0.966
K518614		0.14	0.0001	0.003	0.03	0.26	<2	2.19	0.005	0.0052	<0.01	<0.001	1.300	0.401	5.05	0.026

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

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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 15-AUG-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.01	0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002
K518562		6.33	1.320	3.72	0.027	0.044	0.050	0.010	0.03	7.90	7.8	0.20	57.1	0.288	0.005	1.375
K518563		13.15	1.350	3.04	0.039	0.048	0.038	0.012	0.02	12.10	6.6	0.16	57.3	0.522	0.005	1.885
K518564		151.5	1.570	2.80	0.078	0.151	0.016	0.036	0.11	25.6	8.3	0.47	257	12.25	0.082	0.379
K518566		5.39	1.100	2.84	0.033	0.046	0.048	0.010	0.03	8.75	8.0	0.17	58.0	0.302	0.005	1.420
K518567		11.20	1.140	2.46	0.033	0.085	0.035	0.011	0.02	10.05	9.0	0.20	73.1	0.343	0.005	1.350
K518568		9.42	1.590	4.36	0.044	0.010	0.059	0.016	0.03	9.62	7.3	0.18	117.0	0.580	0.003	1.380
K518569		16.35	1.190	2.71	0.034	0.098	0.047	0.008	0.03	8.72	7.0	0.26	86.5	0.214	0.007	0.916
K518570		5.46	1.420	3.26	0.029	0.039	0.044	0.013	0.03	7.59	7.9	0.15	61.5	0.472	0.005	1.680
K518571		18.10	1.150	2.66	0.042	0.051	0.040	0.009	0.02	11.85	5.5	0.22	84.9	0.344	0.013	1.425
K518572		21.7	1.360	3.20	0.071	0.035	0.046	0.013	0.03	15.25	9.0	0.29	156.5	0.523	0.014	1.355
K518573		7.66	1.090	3.18	0.042	0.023	0.036	0.010	0.02	9.31	6.0	0.20	78.1	0.514	0.010	1.125
K518574		10.85	1.170	2.78	0.046	0.036	0.044	0.017	0.03	8.89	6.1	0.21	86.9	0.426	0.009	1.155
K518575		11.45	1.180	2.96	0.054	0.034	0.036	0.018	0.03	9.33	6.6	0.24	83.1	0.260	0.008	1.300
K518576		12.40	1.020	2.66	0.057	0.042	0.026	0.018	0.03	11.65	6.9	0.24	108.5	0.391	0.016	1.015
K518577		15.65	1.480	4.03	0.044	0.092	0.043	0.013	0.04	9.71	9.2	0.29	89.3	0.429	0.011	1.335
K518578		39.8	1.130	3.46	0.073	0.098	0.020	0.011	0.03	20.2	8.3	0.23	71.0	2.21	0.012	0.803
K518579		34.4	1.550	3.06	0.045	0.061	0.049	0.017	0.02	14.15	7.8	0.16	86.5	1.650	<0.001	1.185
K518580		15.05	1.020	2.11	0.068	0.037	0.011	0.008	0.03	13.25	7.7	0.26	127.0	0.509	0.019	0.601
K518581		13.10	1.280	3.05	0.045	0.039	0.036	0.013	0.04	8.90	7.8	0.27	97.2	0.382	0.013	1.265
K518582		12.10	1.320	2.78	0.036	0.087	0.041	0.010	0.03	8.98	8.3	0.19	76.4	0.651	0.008	0.987
K518584		149.0	1.490	2.45	0.090	0.135	0.016	0.031	0.10	26.3	7.9	0.44	244	12.60	0.075	0.299
K518601		9.88	0.900	2.11	0.049	0.040	0.022	0.009	0.02	10.80	4.4	0.17	64.5	0.203	0.004	0.936
K518602		7.85	0.960	1.740	0.053	0.019	0.031	0.007	0.01	9.43	4.3	0.16	57.6	0.243	0.011	1.005
K518603		9.41	1.320	3.94	0.048	0.020	0.043	0.014	0.03	15.95	12.1	0.21	191.5	0.558	0.008	1.465
K518604		8.82	1.050	3.37	0.053	0.040	0.022	0.010	0.03	10.70	7.4	0.29	86.5	0.297	0.012	1.265
K518605		18.75	1.420	3.28	0.064	0.045	0.031	0.011	0.05	12.60	7.6	0.37	135.5	0.252	0.011	1.240
K518606		13.40	1.120	2.60	0.039	0.080	0.052	0.009	0.02	9.81	6.7	0.23	69.8	0.573	0.007	1.215
K518607		4.38	0.640	3.99	0.034	0.019	0.016	0.008	0.02	9.08	7.2	0.19	47.6	0.253	0.004	1.065
K518608		19.55	2.10	5.35	0.055	0.125	0.027	0.020	0.07	17.30	16.8	0.80	241	0.622	0.013	0.573
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K518611		15.95	1.390	2.96	0.037	0.081	0.059	0.012	0.02	12.50	7.8	0.19	98.0	0.920	0.017	0.991
K518612		10.30	1.330	2.95	0.037	0.035	0.043	0.011	0.03	7.50	8.3	0.26	76.3	0.803	0.006	1.145
K518613		14.15	1.690	3.77	0.039	0.073	0.054	0.017	0.03	11.10	11.4	0.35	113.0	0.578	0.008	1.250
K518614		4.07	0.330	0.084	0.008	0.016	<0.002	<0.005	<0.01	0.634	0.4	<0.01	35.4	0.449	<0.001	0.048

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Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001
K518562		16.55	0.0196	6.39	<0.001	<0.001	3.99	<0.0002	0.009	0.018	1.960	0.259	0.31	7.38	<0.005	0.006
K518563		10.70	0.0369	10.95	0.001	<0.001	2.12	<0.0002	0.012	0.034	1.300	0.195	0.34	12.15	<0.005	0.012
K518564		80.1	0.0519	269	0.043	0.026	6.62	0.0004	0.041	0.194	2.75	0.076	2.22	30.3	<0.005	0.013
K518566		13.20	0.0220	5.60	<0.001	<0.001	3.56	<0.0002	0.008	0.030	1.790	0.242	0.29	10.50	<0.005	0.007
K518567		15.15	0.0274	6.75	<0.001	<0.001	4.04	<0.0002	0.007	0.029	1.645	0.193	0.26	7.81	<0.005	0.010
K518568		13.85	0.0687	7.04	<0.001	<0.001	4.35	0.0006	0.018	0.045	1.425	0.381	0.33	11.55	<0.005	0.014
K518569		16.30	0.0380	5.36	<0.001	<0.001	3.81	<0.0002	0.002	0.026	1.885	0.147	0.31	13.45	<0.005	0.006
K518570		13.10	0.0277	5.86	<0.001	<0.001	3.63	0.0006	0.013	0.031	1.365	0.293	0.35	10.30	<0.005	0.011
K518571		14.60	0.0352	5.96	<0.001	<0.001	2.37	0.0004	0.008	0.019	2.28	0.240	0.31	20.8	<0.005	0.007
K518572		19.20	0.0461	10.05	0.001	<0.001	3.80	0.0002	0.017	0.032	2.38	0.252	0.33	16.65	<0.005	0.009
K518573		15.55	0.0428	5.75	<0.001	<0.001	3.41	0.0002	0.014	0.025	1.905	0.255	0.33	14.85	<0.005	0.005
K518574		17.60	0.0416	5.31	0.001	<0.001	3.30	0.0003	0.016	0.029	1.960	0.271	0.28	11.90	<0.005	0.009
K518575		19.40	0.0441	5.80	<0.001	<0.001	3.69	0.0004	0.011	0.024	2.28	0.261	0.28	16.65	<0.005	0.008
K518576		17.50	0.0398	4.68	0.001	<0.001	3.31	<0.0002	0.010	0.024	2.34	0.151	0.30	18.65	<0.005	0.004
K518577		22.0	0.0196	7.79	0.002	<0.001	5.31	<0.0002	0.021	0.031	3.07	0.270	0.40	13.75	<0.005	0.008
K518578		19.35	0.0276	5.91	<0.001	<0.001	3.29	0.0002	0.008	0.024	4.30	0.140	0.36	19.05	<0.005	0.004
K518579		15.25	0.0485	19.75	<0.001	<0.001	3.71	0.0013	0.010	0.055	2.14	0.393	0.27	8.70	<0.005	0.011
K518580		18.30	0.0493	4.48	0.001	<0.001	3.47	<0.0002	0.004	0.022	2.57	0.052	0.27	23.6	<0.005	0.006
K518581		22.2	0.0363	8.13	<0.001	<0.001	4.26	0.0004	0.013	0.029	2.33	0.227	0.31	18.90	<0.005	0.009
K518582		17.05	0.0302	8.97	<0.001	<0.001	3.99	0.0003	0.041	0.050	2.16	0.237	0.31	10.85	<0.005	0.013
K518584		76.2	0.0516	266	0.044	0.024	6.59	0.0003	0.041	0.194	2.70	0.070	2.22	29.6	<0.005	0.011
K518601		12.75	0.0293	5.65	<0.001	<0.001	2.22	0.0003	0.006	0.017	2.11	0.109	0.29	12.25	<0.005	0.006
K518602		12.65	0.0410	4.45	<0.001	0.001	1.400	0.0004	0.013	0.017	1.730	0.219	0.22	12.80	<0.005	0.008
K518603		18.95	0.0335	9.29	<0.001	<0.001	4.82	<0.0002	0.018	0.046	1.940	0.249	0.39	12.10	<0.005	0.010
K518604		16.85	0.0344	5.17	<0.001	<0.001	3.55	0.0002	0.009	0.031	1.985	0.118	0.33	18.85	<0.005	0.007
K518605		26.7	0.0432	7.22	0.001	<0.001	4.67	<0.0002	0.008	0.022	2.64	0.212	0.29	15.75	<0.005	0.012
K518606		16.10	0.0253	4.96	0.001	<0.001	2.66	0.0002	0.016	0.022	2.32	0.231	0.30	11.20	<0.005	0.008
K518607		9.01	0.0119	6.74	<0.001	<0.001	3.27	<0.0002	0.008	0.019	1.155	0.100	0.40	6.75	<0.005	0.006
K518608		41.0	0.0558	10.95	<0.001	0.001	9.42	<0.0002	0.005	0.059	4.55	0.135	0.50	15.85	<0.005	0.148
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K518611		17.30	0.0355	8.38	0.001	<0.001	4.47	0.0002	0.026	0.061	2.29	0.287	0.31	10.50	<0.005	0.024
K518612		19.60	0.0421	6.16	<0.001	<0.001	4.47	0.0002	0.011	0.044	1.710	0.231	0.29	11.40	<0.005	0.022
K518613		25.8	0.0467	6.53	<0.001	<0.001	5.13	<0.0002	0.013	0.068	2.49	0.360	0.37	11.85	<0.005	0.055
K518614		3.25	0.0009	0.248	<0.001	<0.001	0.114	<0.0002	<0.002	0.032	0.067	0.005	0.32	0.25	<0.005	<0.001

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 15-AUG-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.0005	0.0001	0.0005	0.0005	0.05	0.001	0.001	0.1	0.01
K518562		2.61	0.0723	0.0411	0.413	24.6	0.077	3.20	14.2	1.66
K518563		2.90	0.0722	0.0259	0.661	28.1	0.302	3.58	12.0	1.92
K518564		2.99	0.0704	0.0746	0.448	23.0	0.091	5.61	200	5.50
K518566		2.82	0.0661	0.0364	0.430	21.4	0.073	3.14	15.2	1.84
K518567		3.64	0.0626	0.0389	0.470	20.9	0.087	3.36	20.1	3.06
K518568		1.265	0.0652	0.0440	0.537	26.1	0.100	3.29	19.4	0.35
K518569		3.79	0.0754	0.0323	0.493	25.4	0.093	3.15	16.2	4.17
K518570		2.27	0.0699	0.0409	0.380	26.2	0.080	2.66	14.4	1.50
K518571		2.90	0.0880	0.0349	0.523	25.2	0.082	5.47	11.7	2.20
K518572		2.80	0.0726	0.0509	0.602	29.0	0.113	5.39	20.2	1.24
K518573		1.755	0.0638	0.0360	0.409	23.6	0.071	3.64	14.6	0.83
K518574		1.940	0.0632	0.0321	0.419	25.3	0.077	3.65	13.4	1.11
K518575		1.770	0.0676	0.0374	0.434	23.9	0.082	4.22	17.4	1.27
K518576		3.20	0.0745	0.0378	0.713	23.5	0.080	4.71	12.8	1.90
K518577		3.43	0.0874	0.0519	0.491	29.6	0.096	4.24	17.6	3.23
K518578		3.55	0.0822	0.0432	1.175	36.1	0.083	7.55	13.0	3.93
K518579		3.00	0.0487	0.0434	0.969	26.8	0.169	5.22	20.5	1.82
K518580		3.13	0.0744	0.0365	0.396	23.8	0.081	5.32	12.4	1.72
K518581		2.27	0.0767	0.0388	0.414	26.5	0.085	4.00	14.4	1.54
K518582		3.26	0.0677	0.0391	0.548	24.4	0.104	3.47	15.4	3.10
K518584		3.20	0.0640	0.0744	0.416	21.6	0.093	5.02	198.0	4.65
K518601		3.12	0.0725	0.0240	0.437	21.6	0.073	4.40	8.9	1.93
K518602		1.655	0.0609	0.0173	0.393	21.2	0.069	4.20	7.4	0.76
K518603		2.52	0.0650	0.0488	0.727	33.4	0.075	4.96	16.5	0.89
K518604		2.47	0.0811	0.0293	0.450	23.3	0.083	3.75	13.2	1.70
K518605		2.99	0.0797	0.0444	0.478	28.4	0.086	4.89	16.6	1.89
K518606		3.38	0.0783	0.0351	0.554	24.4	0.092	3.67	12.0	2.61
K518607		2.73	0.0635	0.0437	0.391	17.95	0.045	1.945	10.6	0.80
K518608		6.05	0.0980	0.1015	0.487	45.4	0.122	4.23	39.5	6.17
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
K518611		3.63	0.0609	0.0463	0.555	29.0	0.130	3.82	12.6	2.87
K518612		2.40	0.0681	0.0518	0.358	27.3	0.239	2.31	19.2	1.40
K518613		3.51	0.0764	0.0608	0.489	33.3	0.188	2.92	22.2	2.64
K518614		0.452	0.0024	0.0013	0.0624	0.86	0.035	0.231	2.8	0.43

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To: **BARRICK GOLD INC.**
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TORONTO ON M5J 2S1

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15-AUG-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24184967

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

DRY-22	LOG-21	LOG-23	SCR-44
SPL-33	WEI-21		

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

AuME-ST44	TRSPEC-20

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To: **BARRICK GOLD INC.**
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Finalized Date: 13-SEP-2024
Account: HASCAN

SD24240131

Project: NOR

P.O. No.: 4500895030

This report is for 41 samples of Till submitted to our lab in Sudbury, ON, Canada on 30-AUG-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
DRY-22	Drying - Maximum Temp 60C
SCR-44	Screen to -63um
SPL-33	Split Sample - scoop split
TRSPEC-20	Spectral Scan VNIR and SWIR - Coarse

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-ST44	50g Super Trace Au + Multi Element PKG	

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: 13-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240131

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	AuME-ST44 Au ppm 0.0001	AuME-ST44 Ag ppm 0.001	AuME-ST44 Al % 0.01	AuME-ST44 As ppm 0.01	AuME-ST44 B ppm 2	AuME-ST44 Ba ppm 0.05	AuME-ST44 Be ppm 0.005	AuME-ST44 Bi ppm 0.0005	AuME-ST44 Ca % 0.01	AuME-ST44 Cd ppm 0.001	AuME-ST44 Ce ppm 0.001	AuME-ST44 Co ppm 0.001	AuME-ST44 Cr ppm 0.01	AuME-ST44 Cs ppm 0.001
K518535		0.07	0.0001	0.003	0.03	0.26	<2	2.07	0.005	0.0060	0.01	<0.001	1.230	0.423	5.41	0.032
K518536		1.35	0.0027	0.066	1.03	1.80	<2	66.6	0.429	0.1160	0.10	0.029	33.9	4.72	21.2	0.697
K518537		1.34	0.0017	0.081	1.25	0.99	<2	26.6	0.251	0.0960	0.07	0.033	19.45	4.06	24.4	0.813
K518538		1.13	0.0024	0.179	1.66	1.54	<2	42.1	0.324	0.0734	0.09	0.072	17.05	4.69	32.1	1.145
K518539		1.11	0.0022	0.161	1.66	1.20	2	58.0	0.362	0.0826	0.14	0.069	19.45	6.86	39.5	1.340
K518541		1.16	0.0050	0.029	1.24	1.14	<2	20.1	0.304	0.0914	0.07	0.029	21.6	3.99	24.6	0.652
K518542		1.35	0.0129	0.205	1.36	2.05	<2	39.1	0.245	0.0697	0.12	0.085	16.90	8.02	25.1	0.610
K518543		1.42	0.0039	0.160	1.54	1.68	<2	46.6	0.331	0.0694	0.09	0.060	16.10	5.64	30.0	1.015
K518544		1.36	0.0029	0.050	2.07	1.44	2	43.5	0.408	0.0817	0.12	0.071	19.70	5.91	34.6	0.718
K518545		1.56	0.0046	0.035	1.42	0.64	<2	25.0	0.291	0.0923	0.07	0.034	17.80	2.27	18.20	0.524
K518546		1.40	0.0019	0.043	1.43	1.37	<2	24.2	0.292	0.0780	0.09	0.044	21.3	5.19	28.2	0.669
K518547		1.29	0.0010	0.065	1.66	0.90	<2	24.3	0.304	0.0791	0.05	0.038	14.60	2.91	18.40	0.782
K518616		0.07	0.0322	0.105	0.80	9.25	2	58.3	0.177	0.1310	0.51	0.491	40.0	47.9	28.6	1.215
K518617		1.43	0.0040	0.052	0.84	0.49	<2	39.0	0.232	0.0643	0.08	0.033	15.60	2.58	14.65	0.469
K518618		1.49	0.0091	0.023	1.37	1.17	<2	38.0	0.343	0.1770	0.15	0.049	28.8	5.53	30.0	0.570
K518619		1.24	0.0033	0.041	1.69	1.34	<2	36.8	0.396	0.1135	0.11	0.069	17.95	3.31	25.5	0.650
K518620		1.14	0.0019	0.159	1.27	0.80	<2	44.4	0.262	0.1210	0.10	0.034	17.20	1.360	16.00	0.690
K518621		2.05	0.0040	0.048	1.93	2.42	2	44.8	0.436	0.1495	0.14	0.084	20.2	7.26	38.4	1.105
K518622		2.18	0.0056	0.123	2.72	5.20	2	74.6	0.564	0.207	0.20	0.172	18.90	9.79	81.4	1.560
K518623		1.20	0.0036	0.080	1.79	3.28	<2	69.0	0.459	0.1660	0.22	0.068	24.8	22.6	136.5	4.47
K518624		2.45	0.0097	0.039	1.29	1.33	2	46.7	0.274	0.0711	0.16	0.051	22.8	6.15	33.2	0.714
K518625		1.98	0.0025	0.014	0.89	0.82	2	30.7	0.225	0.0479	0.22	0.016	28.0	4.73	25.2	0.545
K518626		0.07	0.0001	0.003	0.03	0.25	<2	2.15	<0.005	0.0060	<0.01	<0.001	1.315	0.425	5.51	0.033
K518627		1.67	0.0077	0.052	1.51	1.84	2	20.5	0.433	0.1070	0.11	0.047	30.4	4.40	32.0	0.983
K518628		1.12	0.0018	0.113	1.62	1.54	2	34.6	0.410	0.0773	0.12	0.064	24.0	5.32	34.7	1.055
K518629		1.81	0.0019	0.051	1.86	2.17	2	33.3	0.486	0.0965	0.11	0.058	20.4	7.06	37.5	1.065
K518631		1.12	0.0020	0.039	1.68	1.69	2	30.9	0.347	0.0664	0.10	0.051	20.1	6.34	31.9	0.783
K518632		1.58	0.0018	0.057	3.02	2.56	2	72.0	0.672	0.260	0.12	0.065	12.40	9.49	65.0	0.909
K518633		1.49	0.0019	0.116	2.48	1.89	3	119.0	0.483	0.1205	0.21	0.083	29.5	11.15	59.9	1.645
K518634		1.95	0.0064	0.064	2.01	1.81	2	66.5	0.470	0.1265	0.14	0.072	29.5	8.67	47.3	0.924
K518635		1.91	0.0116	0.039	1.40	1.36	<2	25.6	0.293	0.0621	0.11	0.062	20.4	5.18	27.3	0.559
K518636		1.52	0.0042	0.022	2.01	1.70	2	25.7	0.400	0.0614	0.11	0.078	17.90	7.10	34.7	1.180
K518637		1.66	0.0136	0.039	1.16	0.94	<2	16.05	0.224	0.0560	0.15	0.062	15.35	4.96	22.7	0.464
K518638		1.42	0.0074	0.018	1.13	0.88	<2	23.6	0.208	0.0557	0.11	0.044	20.1	4.02	20.1	0.502
K518639		1.76	0.0028	0.064	0.90	1.56	<2	62.6	0.288	0.0977	0.13	0.051	25.2	2.96	21.1	0.709
K518640		0.07	0.0299	0.108	0.83	9.64	2	61.7	0.189	0.1345	0.59	0.510	43.2	50.6	31.3	1.240
K518641		1.54	0.0088	0.053	1.61	1.39	<2	25.4	0.435	0.1090	0.17	0.070	24.2	6.02	33.3	0.601
K518642		1.70	0.0249	0.040	1.17	1.27	<2	29.0	0.359	0.324	0.11	0.049	21.5	2.60	33.5	0.694
K518643		1.44	0.0015	0.067	1.68	1.23	<2	23.5	0.467	0.1040	0.10	0.053	20.4	3.53	25.8	0.731
K518644		1.34	0.0036	0.054	1.38	0.82	<2	22.7	0.288	0.0912	0.07	0.053	17.75	3.20	19.70	0.918

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Finalized Date: 13-SEP-2024
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CERTIFICATE OF ANALYSIS SD24240131

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.01	0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002
K518535		4.22	0.320	0.086	<0.005	0.018	0.002	<0.005	<0.01	0.597	0.2	<0.01	37.5	0.395	<0.001	0.048
K518536		20.8	1.010	2.76	0.034	0.013	0.026	0.010	0.02	10.45	8.4	0.18	73.8	0.641	0.004	0.933
K518537		7.28	1.000	3.36	0.025	0.054	0.049	0.009	0.02	7.86	6.8	0.15	57.9	0.376	0.004	0.906
K518538		5.53	1.490	4.21	0.034	0.067	0.040	0.014	0.03	8.34	10.2	0.17	77.1	0.377	0.004	1.230
K518539		7.20	1.530	4.97	0.034	0.057	0.053	0.012	0.04	9.93	14.2	0.32	120.5	0.317	0.007	1.140
K518541		7.97	1.160	3.71	0.032	0.040	0.056	0.012	0.02	8.87	7.1	0.14	49.8	0.383	0.004	1.065
K518542		38.4	1.430	3.24	0.034	0.039	0.043	0.011	0.03	9.03	9.1	0.25	209	1.090	0.004	1.040
K518543		10.55	1.360	3.12	0.033	0.088	0.035	0.011	0.02	7.57	9.9	0.17	60.8	0.255	0.004	0.967
K518544		10.25	1.590	3.49	0.033	0.101	0.060	0.017	0.03	9.62	9.9	0.21	105.0	0.409	0.006	1.390
K518545		6.58	1.070	3.96	0.027	0.028	0.050	0.011	0.01	8.83	8.1	0.08	29.9	0.699	0.003	1.190
K518546		9.19	1.150	2.59	0.023	0.053	0.041	0.013	0.02	7.65	7.4	0.20	65.1	0.322	0.006	1.430
K518547		3.85	1.260	5.01	0.022	0.030	0.048	0.016	0.02	7.57	7.7	0.08	40.2	0.466	0.004	1.345
K518616		152.0	1.530	2.77	0.091	0.151	0.016	0.037	0.10	24.4	8.5	0.44	245	12.15	0.071	0.363
K518617		3.95	0.780	2.55	0.021	0.029	0.027	0.007	0.02	7.32	4.3	0.09	49.3	0.229	0.006	0.736
K518618		16.20	1.310	2.49	0.039	0.092	0.036	0.011	0.02	10.35	8.2	0.20	77.2	0.466	0.008	1.280
K518619		6.14	1.410	3.63	0.031	0.096	0.062	0.013	0.02	9.02	7.7	0.15	59.9	0.407	0.006	1.670
K518620		3.67	1.120	5.89	0.025	0.032	0.054	0.011	0.02	9.12	4.3	0.08	43.2	0.496	0.005	1.420
K518621		18.40	2.14	5.90	0.034	0.112	0.058	0.023	0.03	8.33	11.4	0.25	122.5	0.714	0.008	2.20
K518622		27.3	3.03	7.34	0.040	0.146	0.090	0.025	0.05	9.96	21.9	0.60	193.0	0.920	0.008	2.04
K518623		23.7	2.49	5.79	0.040	0.048	0.047	0.019	0.10	9.93	18.8	0.97	938	1.040	0.007	0.990
K518624		8.69	1.300	2.59	0.036	0.064	0.030	0.010	0.04	9.87	9.0	0.26	112.5	0.194	0.007	1.080
K518625		6.78	0.930	2.23	0.044	0.072	0.015	0.009	0.04	13.65	7.9	0.26	109.0	0.145	0.008	0.857
K518626		4.28	0.320	0.082	<0.005	0.018	<0.002	<0.005	<0.01	0.649	0.1	<0.01	36.6	0.401	0.001	0.055
K518627		9.59	1.630	4.92	0.043	0.035	0.065	0.018	0.02	11.35	9.0	0.21	79.8	0.546	0.006	1.605
K518628		12.65	1.320	4.60	0.035	0.066	0.069	0.013	0.04	11.45	10.3	0.25	88.4	0.301	0.007	1.375
K518629		12.55	1.520	3.96	0.033	0.102	0.052	0.017	0.03	9.60	11.3	0.26	80.2	0.363	0.007	1.655
K518631		8.18	1.310	3.57	0.035	0.081	0.053	0.014	0.03	9.49	9.4	0.23	81.4	0.265	0.007	1.300
K518632		17.30	3.32	11.25	0.026	0.149	0.053	0.028	0.03	6.41	20.7	0.55	105.0	0.872	0.007	2.82
K518633		15.80	2.48	7.98	0.035	0.109	0.048	0.024	0.09	11.90	24.8	0.63	188.5	0.432	0.014	1.850
K518634		19.95	2.03	4.67	0.037	0.162	0.065	0.017	0.05	11.00	14.8	0.36	113.0	0.389	0.008	1.560
K518635		14.40	1.280	1.910	0.024	0.090	0.045	0.012	0.02	7.08	7.2	0.15	61.1	0.303	0.007	1.140
K518636		13.60	1.520	2.85	0.030	0.143	0.049	0.015	0.02	8.03	10.8	0.20	77.6	0.613	0.007	1.500
K518637		15.75	1.030	2.12	0.033	0.062	0.033	0.011	0.01	6.77	5.9	0.15	57.3	0.233	0.007	1.160
K518638		11.30	0.980	3.21	0.029	0.032	0.031	0.009	0.02	9.14	6.2	0.14	52.7	0.240	0.006	1.135
K518639		12.40	1.600	4.28	0.038	0.029	0.033	0.015	0.03	11.15	7.6	0.15	59.6	1.740	0.004	1.620
K518640		159.5	1.630	2.78	0.082	0.152	0.021	0.039	0.11	25.6	9.0	0.49	269	12.70	0.083	0.429
K518641		11.50	1.540	3.46	0.039	0.080	0.031	0.017	0.02	10.90	9.3	0.27	120.0	0.407	0.008	1.520
K518642		10.75	0.960	7.03	0.036	0.022	0.051	0.014	0.02	12.05	9.6	0.23	54.1	0.818	0.012	1.730
K518643		16.25	1.530	3.58	0.036	0.056	0.076	0.015	0.02	9.73	7.5	0.13	55.4	0.974	0.007	1.610
K518644		18.50	1.060	3.07	0.018	0.033	0.055	0.011	0.02	9.20	7.3	0.11	53.0	1.500	0.005	1.350

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

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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 13-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240131

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001
K518535		3.48	0.0010	0.279	<0.001	<0.001	0.109	<0.0002	<0.002	0.033	0.078	0.004	0.32	0.22	<0.005	0.001
K518536		16.20	0.0155	5.26	<0.001	<0.001	4.38	0.0004	0.006	0.032	1.375	0.138	0.28	5.91	<0.005	0.024
K518537		12.25	0.0229	5.21	<0.001	<0.001	4.04	0.0002	0.015	0.033	1.655	0.176	0.34	5.15	<0.005	0.007
K518538		16.50	0.0417	5.72	<0.001	<0.001	5.94	0.0002	0.027	0.058	1.925	0.280	0.35	5.53	<0.005	0.015
K518539		20.1	0.0407	5.18	<0.001	<0.001	10.10	0.0002	0.009	0.045	2.55	0.239	0.41	9.19	<0.005	0.015
K518541		11.05	0.0131	5.27	<0.001	<0.001	3.03	<0.0002	0.030	0.039	1.850	0.241	0.38	6.33	<0.005	0.017
K518542		14.90	0.0627	3.74	<0.001	<0.001	4.83	0.0002	0.010	0.049	1.505	0.285	0.28	7.22	<0.005	0.035
K518543		16.80	0.0390	4.67	<0.001	<0.001	4.60	0.0004	0.010	0.051	2.19	0.199	0.28	6.90	<0.005	0.015
K518544		19.25	0.0378	6.49	<0.001	<0.001	5.05	0.0002	0.022	0.049	2.38	0.341	0.32	7.47	<0.005	0.014
K518545		6.91	0.0146	12.65	<0.001	<0.001	2.68	0.0008	0.012	0.029	1.655	0.241	0.35	5.73	<0.005	0.006
K518546		16.25	0.0191	6.03	<0.001	<0.001	3.29	0.0002	0.017	0.038	1.600	0.277	0.29	7.96	<0.005	0.009
K518547		8.12	0.0387	5.81	<0.001	<0.001	3.89	0.0006	0.016	0.046	1.360	0.356	0.39	4.13	<0.005	0.010
K518616		77.1	0.0521	263	0.043	0.025	7.18	0.0005	0.043	0.203	2.93	0.070	2.02	27.3	<0.005	0.013
K518617		6.70	0.0163	4.69	<0.001	<0.001	3.62	<0.0002	0.014	0.022	1.290	0.112	0.28	5.95	<0.005	0.006
K518618		16.95	0.0348	9.00	<0.001	<0.001	3.08	0.0002	0.018	0.031	1.955	0.199	0.28	10.00	<0.005	0.008
K518619		10.35	0.0428	8.26	<0.001	<0.001	3.10	<0.0002	0.018	0.029	2.06	0.348	0.29	8.38	<0.005	0.008
K518620		4.85	0.0222	9.23	<0.001	<0.001	4.08	0.0003	0.011	0.025	1.245	0.242	0.48	6.93	<0.005	0.007
K518621		20.4	0.0309	10.75	<0.001	<0.001	5.11	<0.0002	0.022	0.073	2.43	0.437	0.50	12.35	<0.005	0.026
K518622		32.3	0.1335	13.50	0.001	<0.001	7.40	0.0007	0.033	0.122	3.34	0.574	0.47	15.05	<0.005	0.059
K518623		32.3	0.0523	8.09	<0.001	<0.001	11.35	0.0003	0.019	0.185	2.08	0.412	0.56	17.50	<0.005	0.029
K518624		18.80	0.0459	5.23	<0.001	<0.001	6.15	<0.0002	0.012	0.037	1.560	0.175	0.29	11.85	<0.005	0.015
K518625		14.65	0.0375	3.64	<0.001	<0.001	6.02	0.0002	0.005	0.024	1.670	0.098	0.27	11.00	<0.005	0.006
K518626		3.42	0.0009	0.263	<0.001	<0.001	0.119	<0.0002	<0.002	0.033	0.077	0.004	0.31	0.23	<0.005	<0.001
K518627		12.95	0.0383	5.93	<0.001	<0.001	3.74	0.0003	0.024	0.048	2.23	0.423	0.32	7.62	<0.005	0.022
K518628		17.80	0.0572	5.86	<0.001	<0.001	6.26	0.0002	0.013	0.044	2.78	0.290	0.37	9.04	<0.005	0.013
K518629		21.4	0.0538	5.95	<0.001	<0.001	5.09	0.0002	0.015	0.050	2.70	0.296	0.37	8.59	<0.005	0.018
K518631		19.60	0.0412	5.02	<0.001	<0.001	4.70	<0.0002	0.028	0.030	2.38	0.252	0.32	6.62	<0.005	0.009
K518632		29.6	0.0523	5.28	0.001	0.001	5.18	<0.0002	0.027	0.117	4.20	0.499	0.90	9.99	<0.005	0.041
K518633		35.2	0.0289	10.25	<0.001	<0.001	13.15	0.0002	0.015	0.076	3.89	0.293	0.62	15.35	<0.005	0.027
K518634		25.2	0.0260	7.19	<0.001	<0.001	6.86	0.0002	0.020	0.051	3.21	0.262	0.47	10.55	<0.005	0.015
K518635		14.95	0.0168	6.00	<0.001	<0.001	3.14	0.0002	0.027	0.044	1.690	0.187	0.27	10.65	<0.005	0.008
K518636		21.2	0.0331	6.61	<0.001	<0.001	3.42	0.0002	0.015	0.044	2.34	0.330	0.25	8.35	<0.005	0.023
K518637		14.90	0.0289	5.70	<0.001	<0.001	1.835	0.0003	0.011	0.031	1.460	0.173	0.21	9.87	<0.005	0.008
K518638		11.40	0.0165	5.07	<0.001	<0.001	3.12	0.0002	0.009	0.036	1.605	0.135	0.32	8.73	<0.005	0.006
K518639		11.30	0.0144	7.19	<0.001	<0.001	3.99	0.0003	0.010	0.046	1.300	0.183	0.38	8.76	<0.005	0.014
K518640		80.4	0.0537	276	0.045	0.027	7.42	0.0005	0.046	0.210	2.99	0.078	2.25	31.2	<0.005	0.011
K518641		18.15	0.0417	8.04	<0.001	<0.001	2.49	<0.0002	0.022	0.048	2.01	0.250	0.35	13.00	<0.005	0.013
K518642		10.75	0.0340	17.90	<0.001	<0.001	2.51	0.0008	0.046	0.052	1.660	0.385	0.43	7.55	<0.005	0.019
K518643		11.50	0.0217	7.22	<0.001	<0.001	3.21	<0.0002	0.033	0.046	2.24	0.367	0.36	9.45	<0.005	0.010
K518644		7.65	0.0175	5.89	<0.001	<0.001	4.06	0.0002	0.021	0.031	1.305	0.197	0.42	6.20	<0.005	0.008

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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 13-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240131

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.0005	0.0001	0.0005	0.0005	0.05	0.001	0.001	0.1	0.01
K518535		0.374	0.0023	0.0009	0.0597	0.92	0.038	0.239	3.3	0.48
K518536		2.35	0.0472	0.0347	0.486	18.30	0.067	3.19	22.1	0.66
K518537		2.96	0.0628	0.0345	0.371	22.7	0.092	2.03	11.9	2.37
K518538		2.75	0.0640	0.0407	0.371	26.0	0.109	2.48	30.0	2.57
K518539		2.72	0.0705	0.0654	0.394	26.1	0.112	2.89	39.5	2.35
K518541		2.63	0.0728	0.0415	0.411	25.4	0.094	2.98	9.2	1.93
K518542		2.17	0.0493	0.0363	0.375	23.0	0.121	2.34	28.6	1.38
K518543		2.40	0.0606	0.0376	0.348	25.8	0.137	2.71	16.2	3.31
K518544		2.85	0.0656	0.0468	0.438	29.7	0.094	3.45	18.0	3.37
K518545		2.21	0.0597	0.0364	0.438	25.1	0.056	2.65	8.7	1.27
K518546		2.29	0.0690	0.0420	0.389	24.2	0.110	2.32	12.6	2.23
K518547		1.775	0.0412	0.0331	0.331	22.6	0.056	1.720	16.2	1.18
K518616		2.49	0.0641	0.0768	0.405	22.4	0.093	4.98	201	5.65
K518617		2.38	0.0523	0.0318	0.427	16.30	0.059	1.825	11.6	1.48
K518618		3.07	0.0749	0.0284	0.561	27.6	0.107	3.45	14.0	3.27
K518619		2.68	0.0671	0.0321	0.534	26.5	0.115	3.07	15.4	3.39
K518620		2.61	0.0569	0.0380	0.422	23.9	0.038	1.835	14.6	1.61
K518621		2.36	0.0997	0.0524	0.517	43.2	0.114	2.93	24.0	4.34
K518622		1.920	0.0937	0.0982	0.568	56.7	0.222	3.29	56.9	5.11
K518623		1.690	0.1620	0.328	0.463	64.4	0.139	4.32	53.5	3.22
K518624		3.12	0.0713	0.0412	0.412	27.4	0.134	2.79	16.6	3.05
K518625		3.84	0.0678	0.0442	0.485	19.20	0.071	3.96	14.9	3.88
K518626		0.361	0.0025	0.0011	0.0609	0.89	0.038	0.223	3.2	0.54
K518627		2.01	0.0639	0.0513	0.558	27.7	0.106	3.35	16.2	1.44
K518628		3.30	0.0651	0.0587	0.497	27.2	0.115	2.78	22.3	2.71
K518629		3.03	0.0740	0.0453	0.514	30.8	0.171	2.94	18.0	3.93
K518631		2.88	0.0656	0.0487	0.421	23.6	0.089	2.54	15.2	3.20
K518632		2.36	0.0989	0.0476	0.732	65.2	0.212	3.12	17.0	5.75
K518633		3.40	0.1045	0.0964	0.442	44.8	0.100	2.92	36.9	4.80
K518634		3.96	0.0959	0.0479	0.542	42.0	0.131	3.56	21.0	6.41
K518635		2.39	0.0793	0.0284	0.415	25.8	0.085	2.83	13.9	3.32
K518636		2.54	0.0653	0.0344	0.382	26.3	0.104	2.79	14.0	4.81
K518637		1.700	0.0642	0.0236	0.314	20.4	0.092	2.50	10.1	2.29
K518638		2.25	0.0617	0.0378	0.349	21.1	0.055	2.44	12.8	1.59
K518639		2.27	0.0722	0.0367	0.630	26.5	0.072	2.94	14.1	1.30
K518640		2.59	0.0745	0.0771	0.434	25.1	0.100	5.46	212	6.10
K518641		2.76	0.0779	0.0250	0.556	33.8	0.104	3.67	32.7	3.12
K518642		0.769	0.0638	0.0389	1.080	35.1	0.085	2.82	16.4	0.95
K518643		2.11	0.0861	0.0363	0.507	30.8	0.088	3.91	12.4	2.18
K518644		2.37	0.0684	0.0424	0.428	25.8	0.069	2.34	22.3	1.49

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161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 13-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240131

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	AuME-ST44 Au ppm 0.0001	AuME-ST44 Ag ppm 0.001	AuME-ST44 Al % 0.01	AuME-ST44 As ppm 0.01	AuME-ST44 B ppm 2	AuME-ST44 Ba ppm 0.05	AuME-ST44 Be ppm 0.005	AuME-ST44 Bi ppm 0.0005	AuME-ST44 Ca % 0.01	AuME-ST44 Cd ppm 0.001	AuME-ST44 Ce ppm 0.001	AuME-ST44 Co ppm 0.001	AuME-ST44 Cr ppm 0.01	AuME-ST44 Cs ppm 0.001
K518645		1.55	0.0025	0.057	1.30	0.88	<2	22.8	0.273	0.0884	0.07	0.050	17.15	3.13	19.05	0.872

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CERTIFICATE OF ANALYSIS SD24240131

Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.01	0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002
K518645		16.90	1.080	4.20	0.026	0.031	0.048	0.011	0.02	8.74	6.8	0.10	49.6	1.415	0.005	1.315

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Sample Description	Method	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44	AuME-ST44
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001
K518645		7.20	0.0164	5.80	<0.001	<0.001	3.98	<0.0002	0.024	0.032	1.685	0.193	0.41	5.66	<0.005	0.006

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CERTIFICATE OF ANALYSIS SD24240131

Sample Description	Method Analyte Units LOD	AuME-ST44 Th ppm 0.0005	AuME-ST44 Ti % 0.0001	AuME-ST44 Tl ppm 0.0005	AuME-ST44 U ppm 0.0005	AuME-ST44 V ppm 0.05	AuME-ST44 W ppm 0.001	AuME-ST44 Y ppm 0.001	AuME-ST44 Zn ppm 0.1	AuME-ST44 Zr ppm 0.01
K518645		2.37	0.0672	0.0405	0.414	25.9	0.074	2.23	22.1	1.52

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13-SEP-2024
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CERTIFICATE OF ANALYSIS SD24240131

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
	DRY-22	LOG-21	LOG-23	SCR-44
	SPL-33	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	AuME-ST44	TRSPEC-20

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Finalized Date: 14-SEP-2024
Account: HASCAN

SD24240122

Project: NOR

P.O. No.: 4500895030

This report is for 56 samples of Rock submitted to our lab in Sudbury, ON, Canada on 30-AUG-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

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-21	Crush entire sample
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
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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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	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	ME-MS61 Fe % 0.01
K518031		2.09	0.05	8.17	2.9	2800	1.92	0.23	0.98	0.14	152.5	9.3	65	5.03	20.0	3.16
K518032		1.78	0.03	4.26	2.6	2220	1.37	0.08	1.85	0.08	74.8	3.8	60	0.83	10.6	1.90
K518033		1.20	0.42	6.75	1.5	6570	5.66	1.07	5.72	0.04	111.0	10.9	65	7.82	41.3	3.30
K518034		1.34	0.07	8.45	3.5	4590	4.51	0.13	0.69	0.06	162.0	17.2	93	8.77	12.6	3.79
K518035		1.43	0.18	7.02	5.2	460	3.25	0.23	2.34	0.09	32.0	20.5	128	28.0	151.0	4.74
K518036		1.30	0.27	7.13	12.3	1060	6.20	0.63	1.78	0.10	51.5	25.6	56	44.4	214	5.37
K518037		1.27	0.14	6.59	4.3	680	4.21	0.19	0.76	0.10	21.7	18.4	48	35.8	41.1	2.50
K518038		1.63	0.28	6.79	15.9	1900	3.85	0.27	2.37	0.19	84.0	32.0	121	13.25	138.5	4.24
K518198		1.54	0.20	8.52	21.0	2180	5.95	0.46	1.61	0.06	130.5	20.8	143	22.9	76.6	4.51
K518199		1.68	0.32	8.36	44.9	2260	6.60	1.14	0.95	0.06	135.5	26.9	275	26.5	105.5	6.33
K518200		2.11	0.04	7.11	3.9	1910	1.65	0.22	0.46	0.03	122.5	17.4	63	3.79	17.0	3.03
K518255		0.40	0.82	1.85	17.6	1210	2.00	3.04	0.25	<0.02	111.5	7.5	46	2.26	60.3	2.58
K518256		1.63	2.57	6.02	23.3	2150	2.44	7.10	0.37	<0.02	72.2	16.8	70	1.98	378	3.82
K518257		0.47	0.53	8.70	8.0	3440	4.82	1.02	0.29	0.03	76.2	30.7	95	4.53	96.4	4.82
K518258		0.99	0.25	8.43	25.7	2610	6.57	0.77	0.33	0.04	85.5	8.0	377	19.75	46.8	3.79
K518259		2.09	0.25	7.97	25.3	1960	5.77	0.48	0.46	0.04	87.7	18.4	191	23.6	118.0	4.33
K518260		0.07	1.32	6.90	67.6	140	0.43	0.05	6.94	0.63	13.45	39.3	98	0.98	169.0	7.43
K518262		1.46	0.41	7.83	11.0	730	5.76	0.31	2.60	0.05	33.2	13.4	29	22.9	180.0	3.29
K518263		1.55	2.22	6.56	10.9	1560	3.08	0.22	2.27	0.15	97.1	15.6	127	11.25	3570	4.79
K518266		1.50	0.07	6.81	4.4	670	3.74	0.19	3.72	0.16	91.5	23.3	156	14.25	46.3	4.34
K518267		0.50	0.06	7.21	2.3	1300	3.75	0.31	0.51	0.05	128.0	4.5	58	1.48	25.9	2.65
K518268		1.77	0.19	7.35	6.9	920	1.40	0.19	3.21	0.16	39.8	18.3	164	2.60	127.5	3.39
K518705		0.88	0.09	3.52	1.9	170	0.81	0.36	0.07	0.03	37.8	7.4	45	0.45	17.9	2.83
K518708		1.75	0.05	6.34	26.3	1040	1.94	0.10	3.94	0.23	65.7	26.1	268	5.10	31.3	5.95
K518709		2.68	0.10	6.91	23.2	1460	2.54	0.41	1.45	0.13	69.5	59.9	363	22.0	31.4	6.66
K518710		1.73	5.40	2.93	17.8	360	1.69	13.75	4.22	0.90	38.9	31.2	187	4.20	68.1	3.93
K518711		1.90	0.09	8.19	7.1	370	0.63	0.11	9.85	0.12	21.5	18.5	116	0.68	153.5	9.20
K518712		1.52	0.04	8.78	0.8	610	2.24	0.05	5.01	0.12	54.8	31.0	43	1.81	35.9	6.97
K518713		1.68	0.06	7.24	8.9	300	0.84	0.13	5.57	0.05	8.02	29.3	108	0.53	88.6	13.00
K518714		2.07	2.43	6.94	30.1	50	0.33	1.25	3.76	<0.02	11.85	314	104	0.45	2350	18.70
K518715		0.53	0.05	8.00	2.4	2440	2.37	0.25	0.50	0.05	112.5	12.5	64	1.58	55.1	3.01
K518716		1.44	0.48	7.11	34.1	4400	2.23	0.18	2.12	0.14	209	52.5	93	5.06	289	5.82
K518717		1.02	0.40	6.53	3.9	1360	2.09	0.11	3.72	0.11	78.7	15.1	80	1.45	777	2.80
K518718		0.96	0.08	7.00	12.2	170	0.73	0.30	3.75	0.05	16.20	5.2	53	0.60	24.9	6.41
K518719		1.59	0.19	6.17	22.9	1420	2.46	0.33	1.93	0.15	54.4	16.1	246	18.70	22.4	4.05
K518720		0.07	0.47	6.72	63.1	260	0.45	0.06	6.00	0.65	15.15	43.7	89	0.97	180.0	8.14
K518721		1.05	0.16	7.29	2.3	890	3.83	0.91	0.39	0.03	71.7	5.3	34	1.77	139.0	1.74
K518722		1.91	9.08	0.08	3.3	140	0.09	17.15	0.01	0.03	0.35	61.9	56	0.10	2490	2.97
K518723		1.79	9.80	0.09	3.0	390	0.09	13.25	0.01	0.02	0.28	47.0	55	0.08	1200	2.07
K518724		0.73	4.17	1.41	3.1	190	1.14	19.25	0.06	<0.02	3.01	122.5	50	0.42	635	3.54

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TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K518031		20.6	0.18	6.7	<0.005	0.026	4.92	81.0	9.3	0.40	830	1.55	3.85	4.4	28.3	1220
K518032		10.85	0.11	3.2	0.005	0.015	1.75	41.2	5.7	0.26	536	3.87	2.44	4.6	10.4	680
K518033		25.0	0.15	5.1	<0.005	0.049	3.83	56.3	68.4	0.73	184	1.90	2.22	3.0	39.3	1180
K518034		24.2	0.22	5.9	0.006	0.038	5.06	88.8	37.1	0.45	303	1.70	3.00	3.8	44.2	1370
K518035		16.35	0.10	3.2	0.005	0.031	2.11	15.3	27.4	1.19	1290	2.84	2.23	2.0	74.9	450
K518036		17.10	0.12	3.8	0.007	0.036	3.22	33.2	28.5	0.61	692	10.65	1.04	2.7	79.5	820
K518037		16.25	0.10	3.5	0.005	0.025	3.27	11.1	23.2	0.59	251	4.35	0.59	1.8	51.0	550
K518038		18.85	0.18	4.6	0.016	0.056	3.38	40.6	30.3	0.79	920	14.20	2.73	2.7	60.5	1860
K518198		20.8	0.21	5.5	0.005	0.047	4.29	67.2	45.2	0.61	452	3.46	1.04	5.6	59.9	2130
K518199		21.0	0.22	5.9	0.016	0.064	4.04	71.6	94.2	0.48	415	13.35	0.11	3.7	80.8	2140
K518200		17.20	0.17	3.8	<0.005	0.017	4.06	66.3	8.2	0.20	339	0.93	3.06	2.2	38.7	1170
K518255		5.40	0.12	3.0	0.006	0.012	0.74	97.1	9.0	0.52	322	188.0	0.85	1.8	18.6	290
K518256		17.05	0.13	4.1	0.024	0.059	3.01	38.8	17.9	0.89	302	329	2.77	5.8	31.2	1100
K518257		27.3	0.15	5.5	0.007	0.059	3.16	40.9	40.8	1.47	773	27.3	4.56	5.6	53.7	990
K518258		26.7	0.17	5.5	0.012	0.077	4.50	41.5	56.6	0.61	371	5.29	1.70	8.0	61.0	1220
K518259		20.4	0.18	4.8	0.008	0.051	4.08	45.3	74.7	0.63	174	13.60	1.10	6.7	73.7	1530
K518260		14.85	0.10	1.7	0.035	0.074	0.46	5.6	12.9	3.47	1230	1.59	1.65	3.3	80.8	420
K518262		18.40	0.12	3.9	0.009	0.059	3.38	17.2	40.7	0.47	671	6.45	1.46	5.3	36.8	700
K518263		17.25	0.17	4.3	0.029	0.162	2.31	50.8	33.9	0.74	1110	1.08	2.85	1.8	44.1	2090
K518266		16.60	<0.05	3.8	<0.005	0.080	2.71	57.8	26.9	1.27	1550	2.07	2.16	3.5	108.0	990
K518267		19.00	0.08	4.2	<0.005	0.035	1.63	64.3	7.7	0.26	354	1.25	5.00	4.3	22.0	530
K518268		18.30	0.07	3.2	<0.005	0.060	2.06	22.3	22.9	1.09	887	4.21	3.08	6.2	94.8	650
K518705		12.30	<0.05	1.0	<0.005	0.014	0.38	30.4	2.0	0.50	262	2.34	1.21	0.5	75.2	210
K518708		16.50	0.06	3.6	0.007	0.065	2.73	29.7	36.9	4.74	1560	2.14	1.46	4.4	78.0	1760
K518709		17.40	0.07	3.9	<0.005	0.058	4.13	31.4	70.0	3.84	946	1.83	0.70	4.8	142.5	1550
K518710		7.68	<0.05	1.5	0.036	0.077	1.81	17.0	23.1	0.78	824	79.2	0.05	2.0	73.1	720
K518711		23.7	0.05	1.5	0.006	0.147	0.81	9.3	7.9	2.48	1420	0.78	1.37	3.3	58.2	360
K518712		22.5	0.05	2.0	<0.005	0.089	1.74	21.4	16.1	2.24	1010	1.06	2.67	10.4	41.3	1730
K518713		16.25	<0.05	0.9	<0.005	0.086	1.00	2.8	12.0	2.98	1455	5.31	2.57	2.6	75.7	340
K518714		21.8	0.09	0.9	0.060	0.293	0.24	4.4	23.2	2.15	1140	0.64	1.77	2.5	163.5	290
K518715		20.7	0.08	4.8	<0.005	0.035	4.72	52.3	13.4	1.07	612	1.63	3.62	3.3	30.9	930
K518716		19.15	0.18	9.0	<0.005	0.055	4.39	86.7	28.5	2.18	667	47.9	1.93	11.0	68.5	4910
K518717		16.60	0.10	4.3	0.006	0.061	2.44	34.8	14.1	0.99	770	1.82	3.72	6.4	30.4	1220
K518718		16.65	<0.05	1.4	0.006	0.092	0.49	5.1	4.7	1.14	668	6.60	3.87	3.8	42.6	530
K518719		15.40	<0.05	3.4	0.013	0.069	4.12	24.3	70.0	3.37	926	84.7	0.34	4.1	78.7	1230
K518720		14.75	<0.05	1.7	0.043	0.080	0.57	5.6	11.6	3.45	1315	1.65	2.20	3.5	70.2	460
K518721		19.00	<0.05	6.1	<0.005	0.015	1.84	36.6	18.2	0.73	271	3.56	4.14	9.3	16.9	480
K518722		0.40	<0.05	<0.1	0.005	0.055	0.01	<0.5	0.5	0.01	112	23.2	0.05	<0.1	29.1	10
K518723		0.44	<0.05	<0.1	0.005	0.036	0.01	<0.5	0.5	0.02	73	16.15	0.05	<0.1	24.0	10
K518724		5.99	<0.05	0.6	0.011	0.020	0.26	1.3	2.6	0.33	141	77.9	0.31	0.5	46.2	110

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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
K518031		19.8	167.0	<0.002	0.07	1.16	5.8	<1	0.9	656	0.23	<0.05	20.3	0.109	1.84	2.3
K518032		14.4	51.0	<0.002	0.06	0.95	2.7	<1	0.6	286	0.24	<0.05	10.85	0.085	0.40	1.9
K518033		40.6	221	<0.002	0.16	0.86	7.6	<1	1.4	450	0.15	<0.05	12.55	0.104	1.74	1.6
K518034		24.1	225	<0.002	0.14	1.29	7.8	<1	1.6	556	0.19	<0.05	17.20	0.133	2.45	1.6
K518035		8.5	145.5	0.004	0.62	0.57	14.7	1	0.8	166.0	0.18	0.09	2.47	0.159	3.02	1.2
K518036		9.7	201	0.012	1.22	0.73	14.2	2	1.0	112.0	0.22	0.14	3.10	0.151	3.15	1.2
K518037		22.7	208	0.004	1.13	1.46	10.3	1	1.1	87.2	0.17	0.09	3.11	0.155	3.35	5.5
K518038		24.7	137.5	0.013	1.02	3.52	15.3	1	1.5	1040	0.16	0.11	7.74	0.172	1.78	9.4
K518198		17.4	206	0.003	0.45	1.25	15.7	1	1.3	347	0.31	0.16	13.75	0.296	1.79	3.4
K518199		17.8	203	0.007	0.83	2.32	15.8	1	1.4	265	0.19	0.30	13.45	0.215	2.04	3.5
K518200		6.5	147.0	<0.002	0.05	1.23	6.6	<1	0.6	564	0.10	<0.05	13.45	0.070	1.46	1.0
K518255		66.3	44.3	0.014	0.55	3.57	1.3	<1	0.4	128.5	0.09	0.82	10.85	0.040	0.33	4.6
K518256		132.5	88.9	0.054	1.11	0.84	4.9	1	0.9	225	0.28	1.02	15.65	0.147	0.58	6.4
K518257		55.3	121.5	0.003	0.71	0.64	8.3	1	1.6	338	0.29	0.46	13.75	0.180	0.92	5.1
K518258		39.7	214	0.004	0.23	2.12	14.6	1	1.8	517	0.35	0.27	10.20	0.413	1.86	5.3
K518259		18.3	208	0.012	0.36	3.37	18.8	1	1.4	288	0.37	0.14	10.85	0.387	2.07	4.2
K518260		27.7	14.7	0.002	0.40	1.44	38.3	1	1.0	225	0.23	0.11	1.08	0.572	0.22	0.3
K518262		12.2	171.0	0.009	0.12	3.37	15.2	1	1.5	160.5	0.41	<0.05	2.40	0.359	2.28	2.1
K518263		36.6	101.0	<0.002	0.36	3.91	17.5	2	1.5	830	0.11	<0.05	9.55	0.134	1.36	2.2
K518266		9.9	164.5	0.002	0.06	1.90	15.5	<1	1.6	231	0.26	<0.05	2.36	0.241	1.77	1.3
K518267		15.1	54.4	<0.002	0.04	0.58	3.8	<1	1.1	338	0.24	<0.05	11.15	0.125	0.44	3.1
K518268		22.6	70.1	0.002	0.03	1.18	15.6	1	1.9	712	0.49	<0.05	2.32	0.462	0.64	1.0
K518705		12.9	10.7	<0.002	0.01	0.54	6.5	<1	0.4	676	<0.05	<0.05	2.99	0.057	0.11	2.8
K518708		42.1	116.5	0.004	0.14	1.48	26.1	1	1.2	383	0.27	0.10	4.35	0.479	1.84	1.4
K518709		13.5	281	<0.002	1.89	0.87	19.6	1	1.6	166.5	0.32	0.37	5.73	0.486	5.41	1.6
K518710		410	94.9	0.029	2.40	0.92	11.2	4	1.9	120.5	0.13	3.91	2.33	0.201	1.38	0.6
K518711		12.0	38.5	<0.002	0.04	2.94	32.4	<1	0.9	2840	0.23	0.05	0.96	0.464	0.41	0.4
K518712		10.6	64.0	<0.002	0.15	0.16	20.6	1	1.8	507	0.61	<0.05	2.57	0.846	0.39	1.1
K518713		11.6	50.4	0.011	0.17	1.03	40.6	<1	1.1	288	0.15	<0.05	0.30	0.657	0.76	0.1
K518714		16.8	9.4	0.004	7.35	1.08	43.6	27	11.6	234	0.16	0.98	0.26	0.634	0.31	0.1
K518715		18.1	123.5	<0.002	0.08	0.61	5.1	<1	0.8	267	0.18	0.10	10.85	0.103	1.09	2.7
K518716		29.5	144.5	0.034	0.57	0.79	13.8	1	1.9	465	0.53	0.08	16.25	0.463	1.85	3.8
K518717		24.1	61.1	0.002	0.13	0.47	7.3	1	1.5	572	0.39	<0.05	7.41	0.221	0.72	2.3
K518718		9.7	20.4	0.007	0.16	1.12	36.0	1	1.2	308	0.24	0.61	0.43	0.971	0.35	0.2
K518719		33.3	273	0.005	1.05	0.89	13.7	1	1.2	56.2	0.28	0.49	5.37	0.393	5.09	1.4
K518720		30.8	13.8	0.003	0.45	1.71	41.2	1	1.1	99.5	0.24	0.12	1.06	0.634	0.24	0.3
K518721		12.3	95.4	<0.002	0.02	0.24	3.2	<1	1.1	303	0.53	<0.05	18.95	0.138	0.61	3.5
K518722		506	0.7	<0.002	2.09	0.32	0.1	2	<0.2	50.9	<0.05	0.57	0.04	<0.005	0.02	0.2
K518723		870	0.3	<0.002	1.42	0.30	0.1	1	<0.2	44.1	<0.05	0.45	0.03	<0.005	<0.02	0.1
K518724		29.0	15.6	0.017	1.99	0.41	3.1	2	0.4	178.0	<0.05	0.77	0.38	0.042	0.13	0.4

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

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	Au-ICP22 Au ppm 0.001	Au-GRA22 Au ppm 0.05
K518031		58	7.9	13.7	49	258	0.005	
K518032		23	1.6	8.2	44	134.5	0.004	
K518033		99	3.1	15.1	104	204	0.005	
K518034		80	11.6	12.8	69	234	0.009	
K518035		110	2.9	6.2	71	127.5	0.039	
K518036		113	8.4	8.7	55	157.5	0.047	
K518037		93	3.2	7.6	55	139.0	0.015	
K518038		150	4.7	13.3	82	186.0	0.033	
K518198		136	2.3	20.5	50	233	0.017	
K518199		133	6.7	20.8	61	250	0.027	
K518200		62	7.9	11.5	45	154.0	0.007	
K518255		23	2.4	4.6	38	71.8	0.366	
K518256		89	3.6	8.7	109	142.5	0.923	
K518257		83	14.4	7.9	171	192.0	0.038	
K518258		187	22.2	14.4	87	205	0.015	
K518259		146	17.3	18.1	77	190.5	0.016	
K518260		251	37.8	19.6	151	58.1	5.58	NSS
K518262		103	6.4	8.2	63	158.5	0.134	
K518263		127	12.1	13.9	76	170.5	0.617	
K518266		110	1.8	8.8	71	158.0	0.011	
K518267		55	2.8	9.2	41	160.0	0.005	
K518268		128	2.4	15.0	120	130.0	0.057	
K518705		94	0.8	2.9	155	42.6	0.002	
K518708		166	1.3	19.2	285	144.0	0.004	
K518709		157	2.8	17.9	323	157.0	0.034	
K518710		66	12.4	15.0	110	63.5	0.113	
K518711		298	0.6	27.1	101	50.0	0.003	
K518712		173	0.3	38.9	111	72.8	0.002	
K518713		313	0.7	23.7	104	26.9	0.013	
K518714		280	0.8	24.7	84	22.6	0.141	
K518715		56	1.3	10.7	91	185.5	0.006	
K518716		104	1.0	29.4	99	347	0.078	
K518717		62	1.2	21.2	44	173.5	0.093	
K518718		384	1.0	34.8	32	42.4	0.020	
K518719		119	13.9	15.2	233	136.0	0.038	
K518720		277	29.0	21.9	152	68.5	1.905	
K518721		41	2.5	9.0	38	221	0.009	
K518722		2	0.4	0.2	4	0.7	0.175	
K518723		4	0.3	0.1	4	0.8	0.420	
K518724		41	1.1	3.5	42	24.6	4.81	4.71

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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K518725		0.77	0.09	2.14	1.3	2330	0.97	0.20	0.27	0.02	7.09	12.7	47	0.29	21.9	1.94
K518726		1.10	0.06	7.72	1.2	630	6.01	0.12	0.65	0.04	57.7	16.9	107	6.16	70.0	3.72
K518727		0.79	3.03	7.72	23.3	1050	1.04	3.73	1.85	0.09	35.8	93.0	104	2.41	152.0	4.66
K518728		1.24	0.73	5.96	10.4	1790	2.00	0.67	1.57	<0.02	72.8	33.9	372	11.70	673	4.29
K518729		0.61	0.35	5.70	11.6	670	3.96	2.60	0.78	0.02	47.4	22.5	256	13.55	20.1	5.44
K518730		1.38	0.02	8.95	<0.2	570	1.94	0.04	5.33	0.11	60.4	40.1	52	1.64	41.5	8.13
K518731		1.43	0.01	7.74	0.5	3070	3.69	0.16	0.39	0.02	115.0	6.1	71	1.47	16.8	3.04
K518732		0.70	0.33	7.76	2.7	1510	4.00	1.36	0.29	0.03	137.5	12.0	71	8.04	72.6	2.83
K518733		1.25	0.14	7.45	3.9	100	2.14	0.37	2.73	0.14	33.0	62.8	44	1.05	10.3	10.00
K518734		1.24	0.05	8.63	7.2	600	3.66	0.05	1.91	0.06	42.0	54.0	57	23.5	99.5	8.80
K518735		0.66	0.10	7.39	7.5	470	3.52	0.06	3.00	0.08	57.9	33.9	70	22.4	197.0	4.75
K518736		1.28	0.03	6.49	0.9	4260	7.80	0.16	0.87	0.06	93.9	7.9	60	1.58	3.5	1.81
K518737		0.65	0.10	5.93	2.1	530	0.98	0.05	0.56	0.02	27.6	12.8	19	1.58	85.7	1.76
K518738		2.22	2.67	8.07	1.4	930	4.52	3.88	2.12	0.14	61.9	21.5	70	11.15	1350	5.14
K518740		0.07	0.50	6.68	70.3	250	0.45	0.06	6.00	0.63	14.70	44.6	87	0.97	179.5	8.07
K518265		1.01	0.44	4.00	1.5	1440	2.38	0.12	0.48	0.08	123.5	5.8	64	9.17	147.5	1.72

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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K518725		8.89	<0.05	0.5	<0.005	0.018	0.20	3.9	2.9	0.56	186	6.17	0.63	0.4	32.4	130
K518726		22.4	0.07	4.3	<0.005	0.061	2.39	26.2	37.2	0.97	778	6.99	3.40	3.1	72.8	760
K518727		18.15	0.10	3.4	<0.005	0.048	3.91	19.4	13.6	1.02	566	107.5	2.25	7.0	54.1	720
K518728		17.35	0.14	3.8	0.020	0.064	4.42	37.0	50.0	2.20	649	26.2	0.90	5.1	101.0	1320
K518729		15.60	0.14	3.6	0.005	0.035	3.08	25.3	52.1	2.11	492	57.4	1.38	4.8	62.9	1110
K518730		25.5	0.18	1.9	<0.005	0.103	1.53	24.5	15.2	2.64	1170	1.06	2.59	11.3	53.5	2000
K518731		20.2	0.14	5.3	<0.005	0.017	3.93	57.3	7.6	0.51	246	2.65	3.85	3.7	35.3	900
K518732		21.5	0.15	5.3	<0.005	0.035	3.76	68.5	15.6	0.29	158	2.91	3.54	4.5	35.8	780
K518733		22.2	0.16	1.9	<0.005	0.115	0.07	18.4	88.1	1.64	1560	1.36	3.90	1.3	84.6	600
K518734		26.6	0.17	2.6	<0.005	0.090	2.78	22.0	19.3	0.53	1020	1.62	2.42	1.2	113.0	710
K518735		21.1	0.12	3.6	<0.005	0.077	2.95	30.8	9.5	0.60	1145	2.90	1.79	3.8	50.2	670
K518736		18.35	0.12	3.8	<0.005	0.021	3.69	41.3	7.8	0.45	604	2.39	2.92	3.6	19.7	690
K518737		15.15	<0.05	1.3	<0.005	0.023	1.24	17.5	9.6	0.65	396	2.60	3.53	1.9	22.7	260
K518738		20.7	0.13	4.8	0.010	0.072	1.62	35.1	27.2	1.13	927	2.88	4.38	5.8	60.2	1150
K518740		16.55	0.11	1.9	0.035	0.084	0.56	6.2	11.7	3.43	1285	1.52	2.18	3.9	72.6	460
K518265		11.90	0.22	3.0	0.026	0.030	2.05	102.0	26.4	0.32	262	6.35	1.49	1.3	24.9	690

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

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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

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
K518725		7.4	11.0	<0.002	0.16	0.33	4.6	<1	0.4	1525	<0.05	<0.05	0.39	0.045	0.09	0.1
K518726		7.4	213	0.003	0.05	0.79	16.4	<1	1.1	127.0	0.18	<0.05	6.56	0.205	1.34	1.4
K518727		130.0	187.5	0.016	2.06	0.80	19.9	2	1.5	349	0.49	0.90	1.89	0.444	2.58	1.4
K518728		354	210	0.023	0.51	73.1	21.2	1	85.4	432	0.34	0.20	5.86	0.425	2.98	2.1
K518729		23.3	141.0	0.074	1.94	2.45	17.7	2	4.7	147.5	0.28	0.77	3.94	0.385	2.99	2.1
K518730		8.8	66.7	0.002	0.16	0.16	28.4	1	1.7	482	0.54	<0.05	3.01	1.035	0.33	1.3
K518731		7.6	120.5	<0.002	0.08	0.78	5.4	<1	0.8	281	0.19	<0.05	14.35	0.099	0.97	2.0
K518732		23.3	164.0	0.010	0.07	0.92	6.4	1	1.2	278	0.22	0.15	13.65	0.127	1.24	7.4
K518733		23.2	4.1	0.002	<0.01	0.48	44.9	<1	0.7	431	0.08	<0.05	0.57	0.270	0.05	0.6
K518734		6.5	188.0	<0.002	0.03	0.55	52.4	<1	0.9	159.0	0.08	<0.05	0.61	0.264	1.64	1.0
K518735		6.5	173.0	<0.002	0.01	0.88	26.4	<1	1.2	226	0.22	<0.05	5.34	0.303	1.65	1.1
K518736		13.2	103.5	<0.002	0.11	0.74	5.8	<1	0.6	346	0.18	<0.05	10.30	0.092	0.85	1.8
K518737		5.1	39.6	0.002	0.01	0.27	3.8	<1	0.5	151.5	0.13	<0.05	0.75	0.165	0.31	0.3
K518738		15.3	101.0	0.002	0.08	0.63	25.0	1	1.6	422	0.33	0.11	5.44	0.329	0.76	1.8
K518740		29.8	15.7	0.004	0.44	1.77	42.2	1	1.0	99.9	0.23	0.11	1.02	0.624	0.22	0.3
K518265		9.5	89.1	0.007	0.04	4.25	8.4	<1	1.1	182.0	0.29	<0.05	3.35	0.078	0.99	1.1

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To: BARRICK GOLD INC.
161 BAY ST.
SUITE 3700
TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

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	Au-ICP22 Au ppm 0.001	Au-GRA22 Au ppm 0.05
K518725		63	1.2	3.2	67	20.7	0.001	
K518726		113	7.6	11.9	62	162.5	0.009	
K518727		102	2.6	15.8	97	133.0	0.174	
K518728		138	4.9	16.6	106	146.5	0.219	
K518729		118	3.3	18.2	65	142.0	0.029	
K518730		199	0.2	41.6	124	63.1	0.003	
K518731		56	4.3	13.2	25	191.0	0.002	
K518732		76	4.8	13.7	34	191.5	0.004	
K518733		358	0.9	19.0	388	60.3	0.168	
K518734		506	1.2	13.4	42	83.6	0.022	
K518735		234	0.9	10.9	78	131.5	0.030	
K518736		31	5.7	12.2	32	147.0	0.003	
K518737		35	2.1	3.3	50	49.4	0.058	
K518738		156	2.1	17.3	97	185.0	1.565	
K518740		276	32.2	22.8	151	66.8	1.895	
K518265		49	14.3	6.8	44	113.0	0.012	

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161 BAY ST.
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TORONTO ON M5J 2S1

Finalized Date: 14-SEP-2024
Account: HASCAN

Project: NOR

CERTIFICATE OF ANALYSIS SD24240122

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-21	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-GRA22	Au-ICP22	Hg-MS42	ME-MS61
TRSPEC-20			

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

Finalized Date: 12-JUN-2024
Account: HASCAN

TM24136696

Project: 24NOR.WR.00001

P.O. No.: 4500895030

This report is for 7 samples of Rock submitted to our lab in Timmins, ON, Canada on 23-MAY-2024.

The following have access to data associated with this certificate:

PIERRE BEDEAUX	PATRICK COLLINS	BARRICK EXPLNA
BRIGITTE GELINAS	DAVID HOLDER	SIMON HOULE
BRIAN HUA	LESLIE HUNT	COLLETTE PILSWORTH
LEA RADOUANT	LEE SCHOLL	BRANDON SMITH
LIZ STOCK	JACOB VANDERWAL	JOSEPH VRZOVSKI

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-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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

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

Finalized Date: 12-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TM24136696

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
K518001		1.64	50.3	14.15	14.35	8.80	6.19	3.18	0.30	0.006	1.16	0.22	0.01	0.08	<0.01	1.12
K518002		1.91	49.9	13.40	14.00	10.05	6.46	2.27	0.17	0.043	1.00	0.21	0.02	0.07	<0.01	1.44
K518003		1.35	49.4	13.80	15.30	10.45	5.60	2.22	0.41	0.016	1.44	0.21	0.02	0.13	0.01	1.42
K518004		1.50	70.9	13.75	3.43	2.87	1.53	4.80	0.65	0.006	0.42	0.04	0.10	0.16	0.02	1.09
K518005		0.07	64.6	15.20	5.34	3.59	2.42	2.62	4.00	0.011	0.83	0.07	0.04	0.23	0.12	0.96
K518051		0.49	66.2	14.90	4.35	2.99	3.45	5.39	2.23	0.017	0.39	0.06	0.06	0.20	0.10	1.43
K518052		0.90	66.8	14.90	4.49	2.86	3.31	4.90	2.53	0.021	0.38	0.07	0.06	0.19	0.08	1.24

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

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TORONTO ON M5J 2S1

Finalized Date: 12-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TM24136696

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
K518001		99.87	43.3	8.2	44	0.24	4.02	2.66	0.88	17.8	3.09	1.80	0.88	2.8	0.40	2.72
K518002		99.03	23.1	8.8	324	0.16	3.91	2.67	0.82	15.6	3.34	1.70	0.88	3.1	0.36	2.79
K518003		100.43	132.5	23.9	125	0.61	5.06	3.40	1.32	17.8	4.35	2.85	1.11	10.6	0.45	6.54
K518004		99.77	211	23.0	42	0.40	0.84	0.44	0.64	17.6	1.44	4.19	0.18	11.0	0.06	1.76
K518005		100.03	1035	72.4	78	14.55	4.82	2.73	1.37	19.0	5.26	7.39	0.96	37.9	0.39	19.50
K518051		101.77	840	55.1	124	0.43	1.44	0.60	1.11	19.8	2.83	3.11	0.25	26.9	0.08	3.19
K518052		101.83	684	61.2	145	0.37	1.48	0.79	1.23	20.0	2.99	3.34	0.27	23.4	0.09	3.16

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Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TM24136696

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
K518001		7.2	1.33	7.4	2.35	0.6	86.6	0.2	0.62	0.24	<0.05	0.38	0.09	368	<0.5	22.7
K518002		8.0	1.32	2.7	2.56	1.3	91.0	0.2	0.60	0.25	<0.05	0.38	0.08	361	<0.5	24.1
K518003		15.8	3.18	10.8	4.19	1.0	135.0	0.4	0.80	1.47	0.05	0.49	0.38	384	<0.5	30.9
K518004		12.3	2.78	12.3	2.13	0.5	779	0.1	0.21	1.32	0.07	0.08	0.70	49	<0.5	4.5
K518005		32.5	8.30	220	6.67	4.0	271	1.5	0.81	18.85	0.90	0.40	5.80	117	3.0	27.5
K518051		28.2	6.76	47.2	4.48	1.0	497	0.2	0.36	3.27	0.18	0.10	0.60	67	<0.5	7.1
K518052		28.4	6.91	59.2	5.31	0.7	469	0.2	0.34	4.60	0.22	0.10	1.25	75	<0.5	7.8

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Finalized Date: 12-JUN-2024
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Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TM24136696

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
K518001		2.50	70	0.08	7.77	<0.2	50	0.31	0.04	6.12	0.14	9.35	45.2	33	0.27	169.0
K518002		2.59	68	0.05	7.30	0.3	30	0.29	0.03	7.41	0.14	9.74	45.7	229	0.18	123.5
K518003		3.03	125	0.05	7.72	0.3	130	0.64	0.02	7.26	0.15	27.7	49.4	91	0.68	168.5
K518004		0.46	186	0.04	7.13	<0.2	220	0.80	0.01	2.08	0.03	24.1	8.1	37	0.40	7.8
K518005		2.78	310	0.07	7.57	17.5	1100	3.60	0.12	2.65	0.09	68.8	13.9	70	15.50	44.3
K518051		0.52	122	0.11	7.60	0.2	870	1.35	0.02	2.14	0.05	59.1	14.0	100	0.47	2.9
K518052		0.58	133	<0.01	7.55	<0.2	690	1.31	0.03	2.12	0.05	65.0	15.2	112	0.42	2.2

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Finalized Date: 12-JUN-2024
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Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TM24136696

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
K518001		9.77	18.75	0.13	0.8	0.091	0.25	3.2	8.7	3.61	1650	0.50	2.49	2.8	42.9	370
K518002		9.74	17.35	0.12	0.9	0.074	0.14	3.5	9.3	4.02	1595	0.64	1.76	2.7	75.1	320
K518003		10.65	20.3	0.14	3.2	0.097	0.35	12.0	13.8	3.31	1610	0.52	1.78	6.4	56.3	630
K518004		2.29	18.40	0.10	3.2	0.022	0.54	11.0	10.4	0.86	313	1.37	3.73	1.6	15.9	740
K518005		3.57	19.55	0.14	3.0	0.054	3.39	31.7	39.1	1.33	541	3.41	2.02	21.7	39.3	1020
K518051		2.80	21.1	0.15	2.3	0.024	1.80	27.5	12.5	1.95	484	0.66	4.05	3.3	64.5	840
K518052		2.97	21.0	0.15	2.6	0.029	2.10	24.0	13.8	2.01	523	0.63	3.73	3.1	70.9	890

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CERTIFICATE OF ANALYSIS TM24136696

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
K518001		0.9	7.8	0.002	0.12	<0.05	48.7	1	0.6	95.3	0.17	0.07	0.23	0.667	0.04	0.1
K518002		2.4	2.7	0.002	0.08	<0.05	52.5	1	1.3	95.8	0.18	<0.05	0.27	0.604	0.02	0.1
K518003		2.3	10.9	0.002	0.11	0.08	42.7	1	1.1	143.0	0.41	<0.05	1.61	0.833	0.05	0.4
K518004		3.1	11.6	<0.002	0.02	<0.05	4.8	1	0.6	787	0.08	<0.05	1.31	0.220	0.06	0.7
K518005		21.5	193.0	<0.002	0.06	0.55	11.8	1	4.1	294	1.62	<0.05	17.95	0.494	1.10	5.0
K518051		4.3	47.8	<0.002	<0.01	<0.05	7.6	<1	0.7	511	0.18	<0.05	3.28	0.224	0.22	0.6
K518052		4.0	57.2	<0.002	<0.01	0.05	8.3	<1	0.7	460	0.20	<0.05	4.83	0.229	0.26	1.2

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CERTIFICATE OF ANALYSIS TM24136696

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Hg-MS42	C-IR07	S-IR08	Au-ICP22
	Analyte	V	W	Y	Zn	Zr	Hg	C	S	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOD	1	0.1	0.1	2	0.5	0.005	0.01	0.01	0.001
K518001		346	0.1	25.1	115	31.1	<0.005	0.05	0.12	<0.001
K518002		326	0.1	24.1	107	17.8	<0.005	0.09	0.08	<0.001
K518003		349	0.2	32.9	114	123.0	<0.005	0.05	0.10	<0.001
K518004		46	0.1	4.3	59	137.5	<0.005	0.05	0.02	<0.001
K518005		116	3.1	26.3	71	98.3	<0.005	0.06	0.06	0.001
K518051		63	0.1	6.7	73	89.8	<0.005	0.09	0.01	<0.001
K518052		66	0.1	7.3	70	94.4	<0.005	0.04	0.01	<0.001

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Finalized Date: 12-JUN-2024
Account: HASCAN

Project: 24NOR.WR.00001

CERTIFICATE OF ANALYSIS TM24136696

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

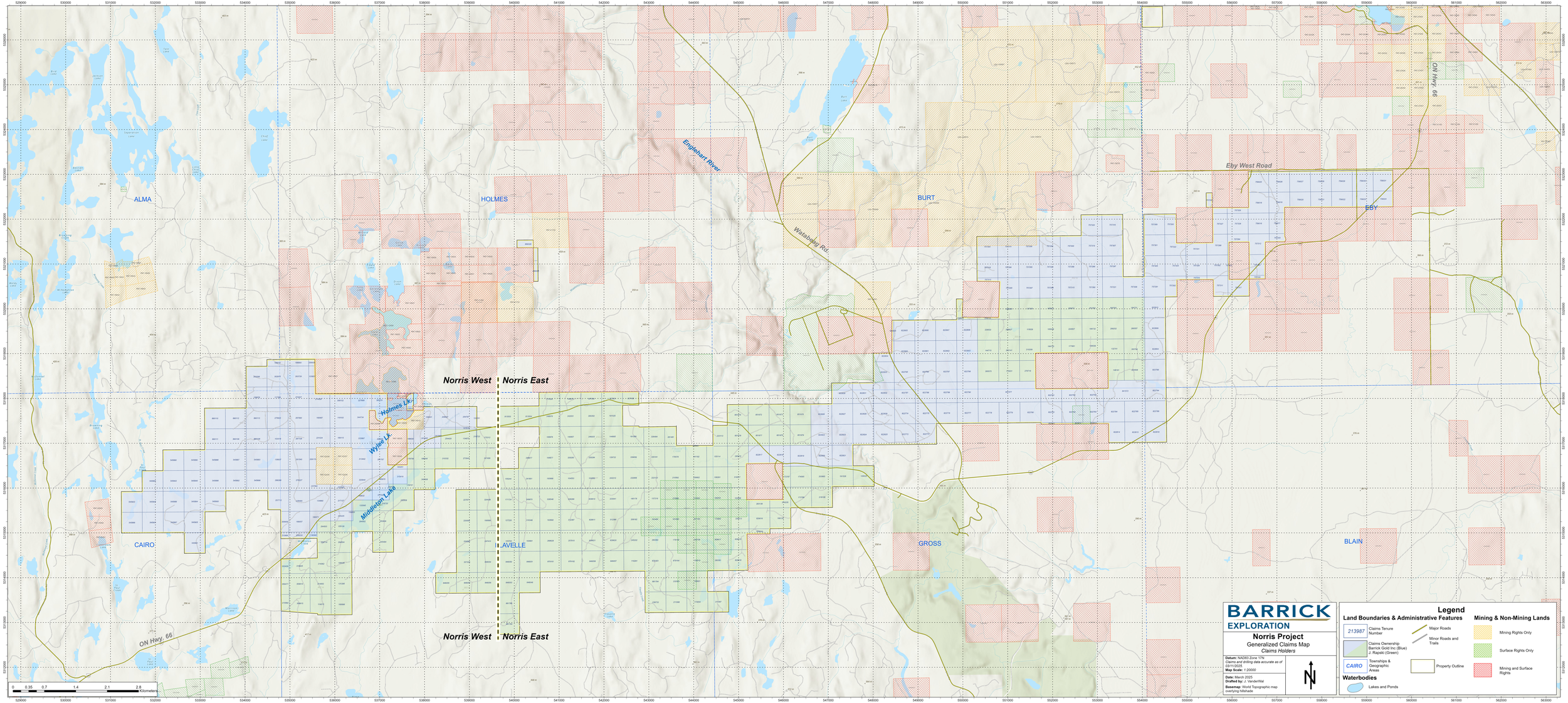
Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

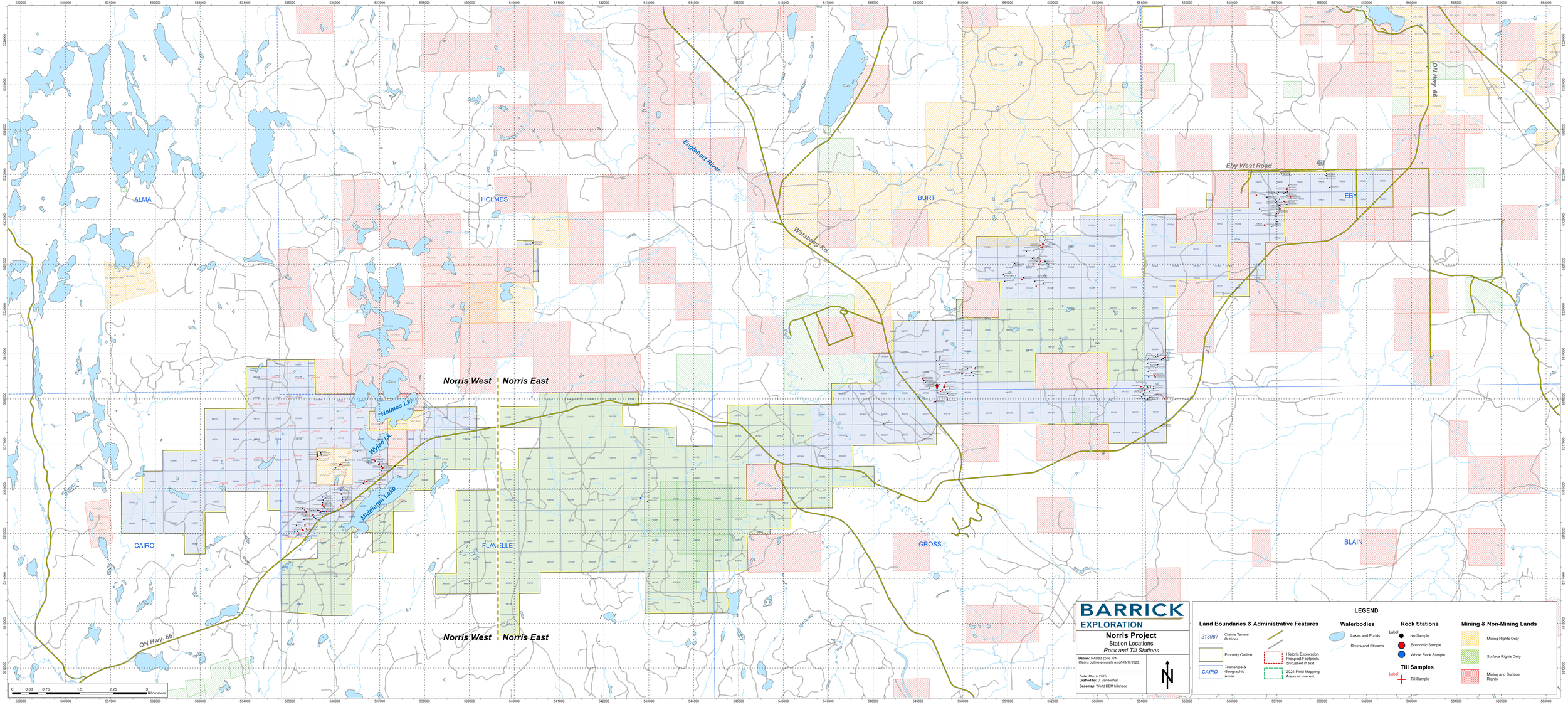
Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-32	PUL-QC	SPL-22Y	SPL-33
WEI-21			

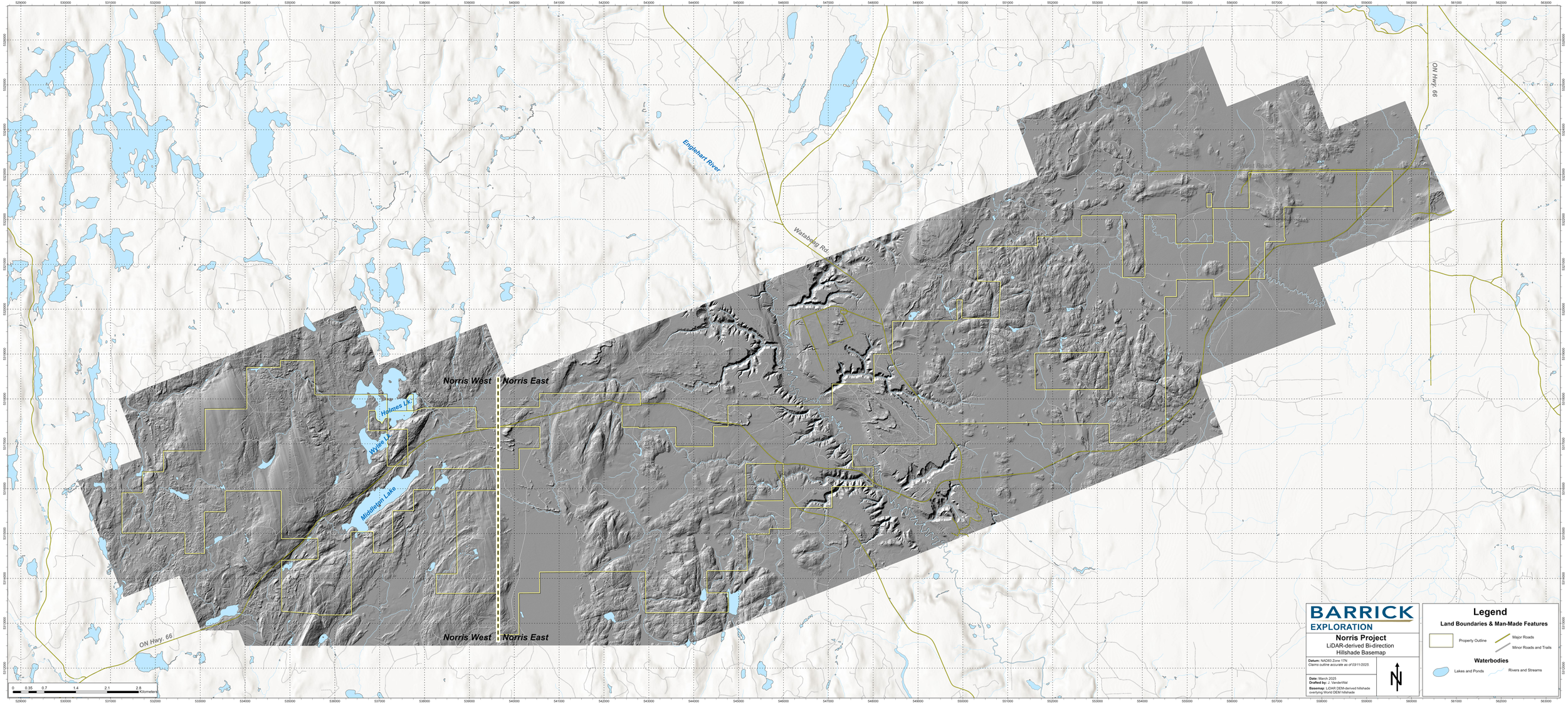
Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

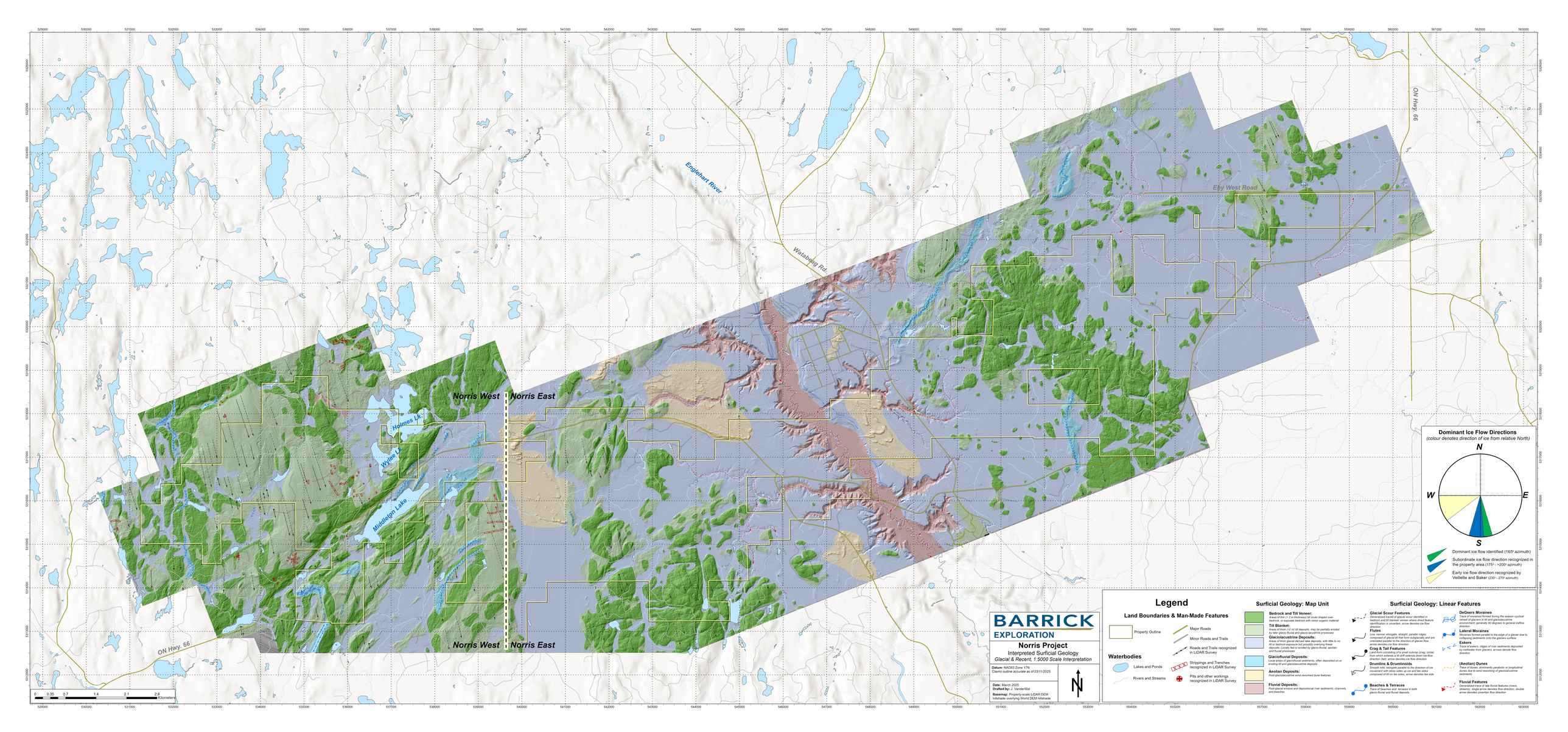
Applies to Method:			
Au-ICP22	C-IR07	Hg-MS42	ME-ICP06
ME-MS61	ME-MS81	OA-GRA05	S-IR08
TOT-ICP06	TRSPEC-20		

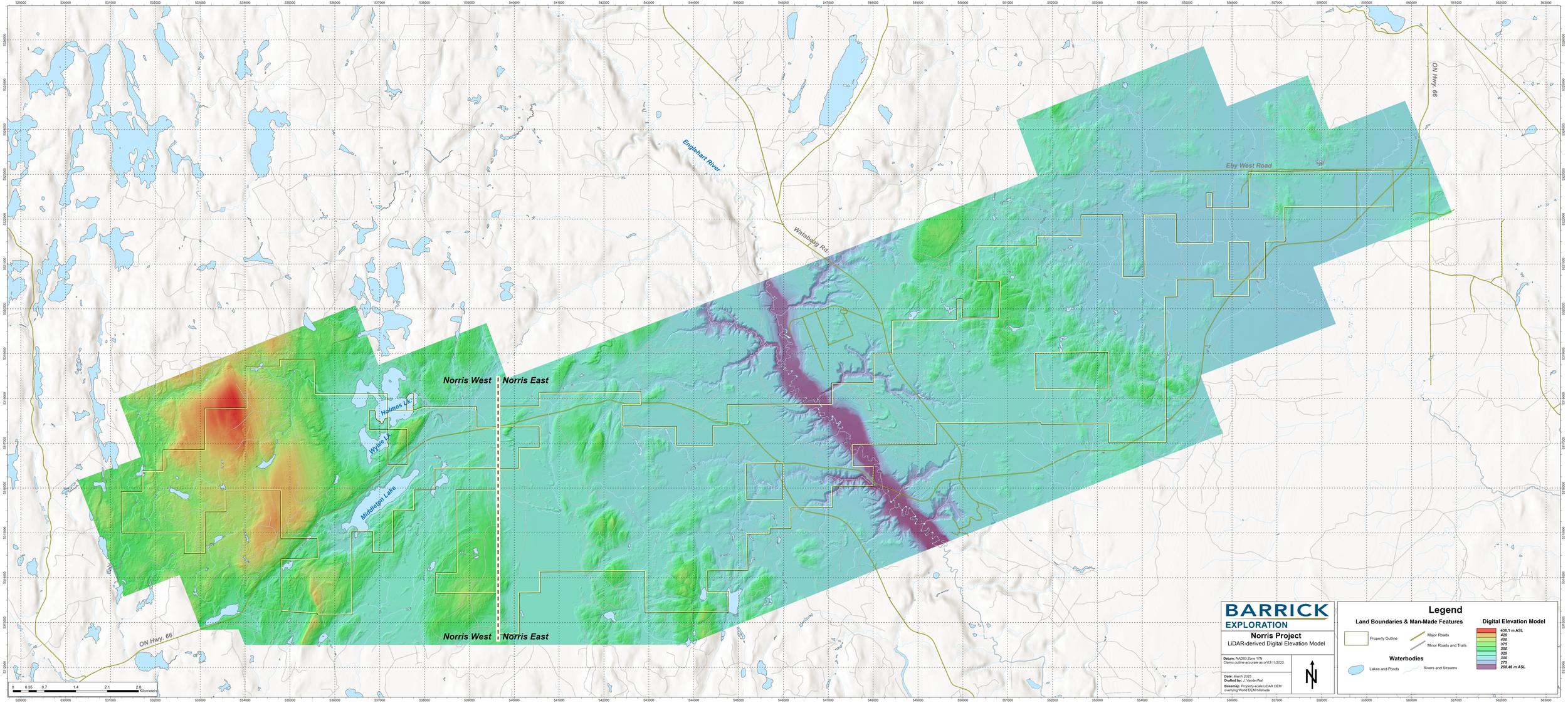
Appendix F – Large Format Maps

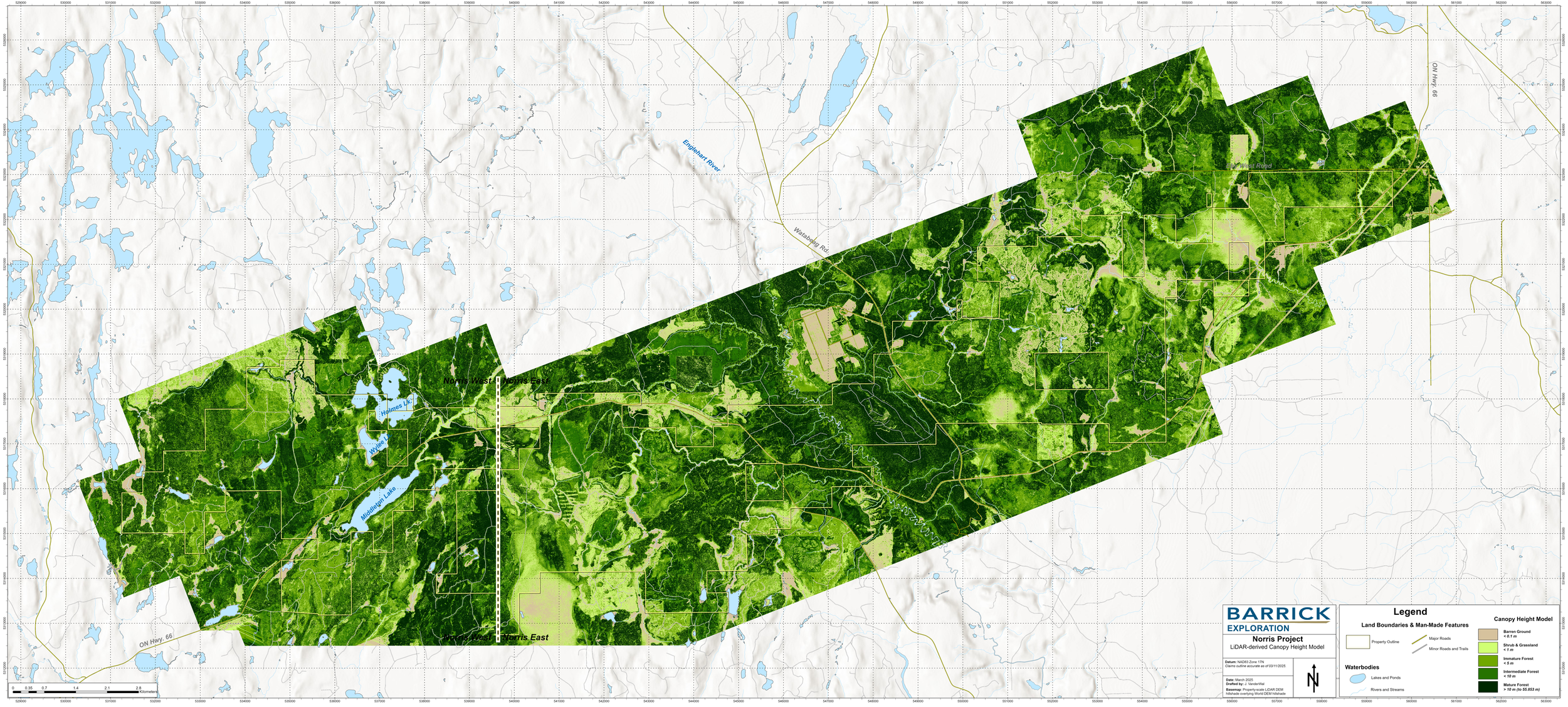

ALMA
HOLMES
BURT
EBY
CAIRO
AVELLE
GROSS
BLAIN
Norris West
Norris East
Norris West
Norris East
Englehart River
Watabaig Rd.
Eby West Road
ON Hwy. 66
Holmes Lk.
Wyles Lk.
Middleton Lake
ON Hwy. 66
0 0.35 0.7 1.4 2.1 2.8 Kilometers
BARRICK
EXPLORATION
Norris Project
Generalized Claims Map
Claims Holders
Datum: NAD83 Zone 17N
Claims and drilling data accurate as of 03/15/2025
Map Scale: 1:20000
Date: March 2025
Drafted by: J. VanderWal
Basemap: World Topographic map overlying hillshade
Legend
Land Boundaries & Administrative Features
213987
Claims Tenure Number
Claims Ownership
Barrick Gold Inc (Blue)
J. Rapski (Green)
CAIRO
Townships & Geographic Areas
Waterbodies
Lakes and Ponds
Major Roads
Minor Roads and Trails
Property Outline
Mining & Non-Mining Lands
Mining Rights Only
Surface Rights Only
Mining and Surface Rights


ALMA
HOLMES
BURT
EBY
CAIRO
FLAVELLE
GROSS
BLAIN
Englehart River
Watabeag Rd
Eby West Road
ON Hwy 66
Holmes Lk.
Wykes Lk.
Middleton Lake
Norris West
Norris East
Norris West
Norris East
ON Hwy. 66
0 0.38 0.75 1.5 2.25 3 Kilometers
BARRICK
EXPLORATION
Norris Project
Station Locations
Rock and Till Stations
Datum: NAD83 Zone 17N
Claims outline accurate as of 03/11/2025
Date: March 2025
Drafted by: J. VanderWal
Basemap: World DEM hillshade
LEGEND
Land Boundaries & Administrative Features
213987 Claims Tenure Outlines
Property Outline
CAIRO Townships & Geographic Areas
Historic Exploration Prospect Footprints discussed in text
2024 Field Mapping Areas of Interest
Waterbodies
Lakes and Ponds
Rivers and Streams
Rock Stations
Label
No Sample
Economic Sample
Whole Rock Sample
Till Samples
Label
Till Sample
Mining & Non-Mining Lands
Mining Rights Only
Surface Rights Only
Mining and Surface Rights


Norris West
Norris East
Norris West
Norris East
Holmes Lk.
Wykes Lk.
Middleton Lake
Englehart River
Wataboeng Rd.
ON Hwy. 66
ON Hwy. 66
0 0.35 0.7 1.4 2.1 2.8 Kilometers
BARRICK
EXPLORATION
Norris Project
LiDAR-derived Bi-direction
Hillshade Basemap
Datum: NAD83 Zone 17N
Claims outline accurate as of 03/11/2025
Date: March 2025
Drafted by: J. VanderWal
Basemap: LiDAR DEM-derived hillshade overlying World DEM hillshade
Legend
Land Boundaries & Man-Made Features
Property Outline
Major Roads
Minor Roads and Trails
Waterbodies
Lakes and Ponds
Rivers and Streams


Norris West
Norris East
Norris West
Norris East
Holmes Lk.
Wykes Lk.
Middleton Lake
Englehart River
Watabeag Rd.
Eby West Road
ON Hwy. 66
ON Hwy. 66
0 0.35 0.7 1.4 2.1 2.8 Kilometers
Dominant Ice Flow Directions
(colour denotes direction of ice from relative North)
N
W
E
S
Dominant ice flow identified (165° azimuth)
Subordinate ice flow direction recognized in the property area (175° - >200° azimuth)
Early ice flow direction recognized by Veillette and Baker (230° - 270° azimuth)
BARRICK
EXPLORATION
Norris Project
Interpreted Surficial Geology
Glacial & Recent, 1:5000 Scale Interpretation
Datum: NAD83 Zone 17N
Claims outline accurate as of 03/11/2025.
Date: March 2025
Drafted by: J. VanderWal
Basemap: Property-scale LiDAR DEM hillshade overlying World DEM hillshade
Legend
Land Boundaries & Man-Made Features
Property Outline
Major Roads
Minor Roads and Trails
Roads and Trails recognized in LiDAR Survey
Strippings and Trenches recognized in LiDAR Survey
Pits and other workings recognized in LiDAR Survey
Waterbodies
Lakes and Ponds
Rivers and Streams
Surficial Geology: Map Unit
Bedrock and Till Veneer:
Areas of thin (< 2 m thickness) till cover draped over bedrock, or exposed bedrock with minor organic material
Till Blanket:
Areas of thick (>2 m) till deposits, may be partially eroded by later glacio-fluvial and glacio-lacustrine processes
Glaciolacustrine Deposits:
Areas of thick glacial derived lake deposits, with little to no till or bedrock exposure but possibly overlying these deposits. Locally fed or eroded by glacio-fluvial, aeolian and fluvial processes
Glaciofluvial Deposits:
Local areas of glaciofluvial sediments, often deposited on or among glaciolacustrine deposits
Aeolian Deposits:
Post-glaciolacustrine wind reworked dune features
Fluvial Deposits:
Post-glacial erosive and depositional river sediments, channels, and beaches
Surficial Geology: Linear Features
Glacial Scour Features
Generalized trend of glacial scour identified in bedrock and till blanket; where ice and bedrock identification is uncertain, arrow denotes ice flow direction
Flutes
Linear, narrow, elongate, straight, parallel ridges composed of glacial till that form subglacially and are orientated parallel to the direction of glacier flow, arrow denotes ice flow direction
Crag & Tail Features
Bedrock knob with a lee-side till wall outcrop (crag; circle) and tapering extending till drift (tail); arrow denotes ice flow direction (tail), arrow denotes ice flow direction
Drumlins & Drumlinoids
Smooth hills, elongate parallel to the direction of ice movement with stoss side in ice and lee side composed of till on lee sides, arrow denotes lee side
Beaches & Terraces
Trace of beaches and terraces in both glacio-fluvial and fluvial deposits
DeGeers Moraines
Trace of moraines formed during the season-cyclical retreat of glaciers in till and glaciolacustrine environment; generally 90 degrees to general iceflow direction
Lateral Moraines
Trace of moraines parallel to the edge of a glacier due to collapsing sediments onto the glaciers surface
Eskers
Trace of eskers, ridges of river sediments deposited by meltwater from glaciers, arrows denote flow direction
(Aeolian) Dunes
Trace of dunes, dominantly parabolic or longitudinal dunes due to wind reworking of glaciolacustrine sediments
Fluvial Features
Trace of channels and of late fluvial features (rivers; streams), single arrow denotes flow direction, double arrow denotes uncertain flow direction


Norris West
Norris East
Norris West
Norris East
Holmes Lk.
Wykes Lk.
Middleton Lake
Englehart River
Wataboag Rd.
Eby West Road
ON Hwy. 66
ON Hwy. 66
0 0.35 0.7 1.4 2.1 2.8 Kilometers
BARRICK
EXPLORATION
Norris Project
LiDAR-derived Digital Elevation Model
Datum: NAD83 Zone 17N
Claims outline accurate as of 03/11/2025
Date: March 2025
Drafted by: J. VanderWal
Basemap: Property-scale LiDAR DEM overlying World DEM hillshade
N
Legend
Land Boundaries & Man-Made Features
Property Outline
Major Roads
Minor Roads and Trails
Waterbodies
Lakes and Ponds
Rivers and Streams
Digital Elevation Model
435.1 m ASL
425
400
375
350
325
300
275
258.46 m ASL



BARRICK
EXPLORATION

Norris Project
LiDAR-derived Canopy Height Model

Datum: NAD83 Zone 17N
Claims outline accurate as of 03/11/2025

Date: March 2025
Drafted by: J. VanderVal
Basemap: Property-scale LiDAR DEM hillshade overlying World DEM hillshade

Legend

Land Boundaries & Man-Made Features

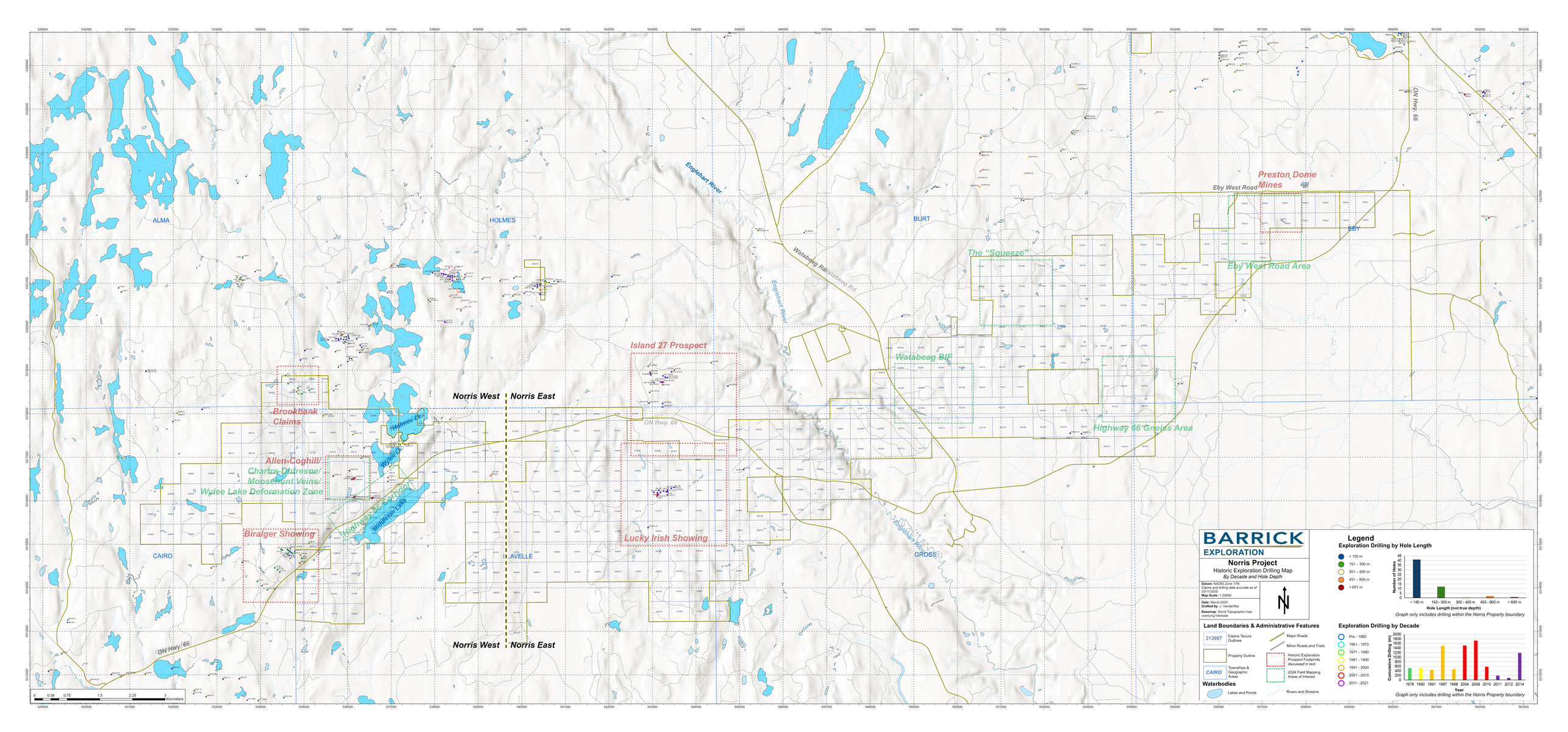
- Property Outline
- Major Roads
- Minor Roads and Trails

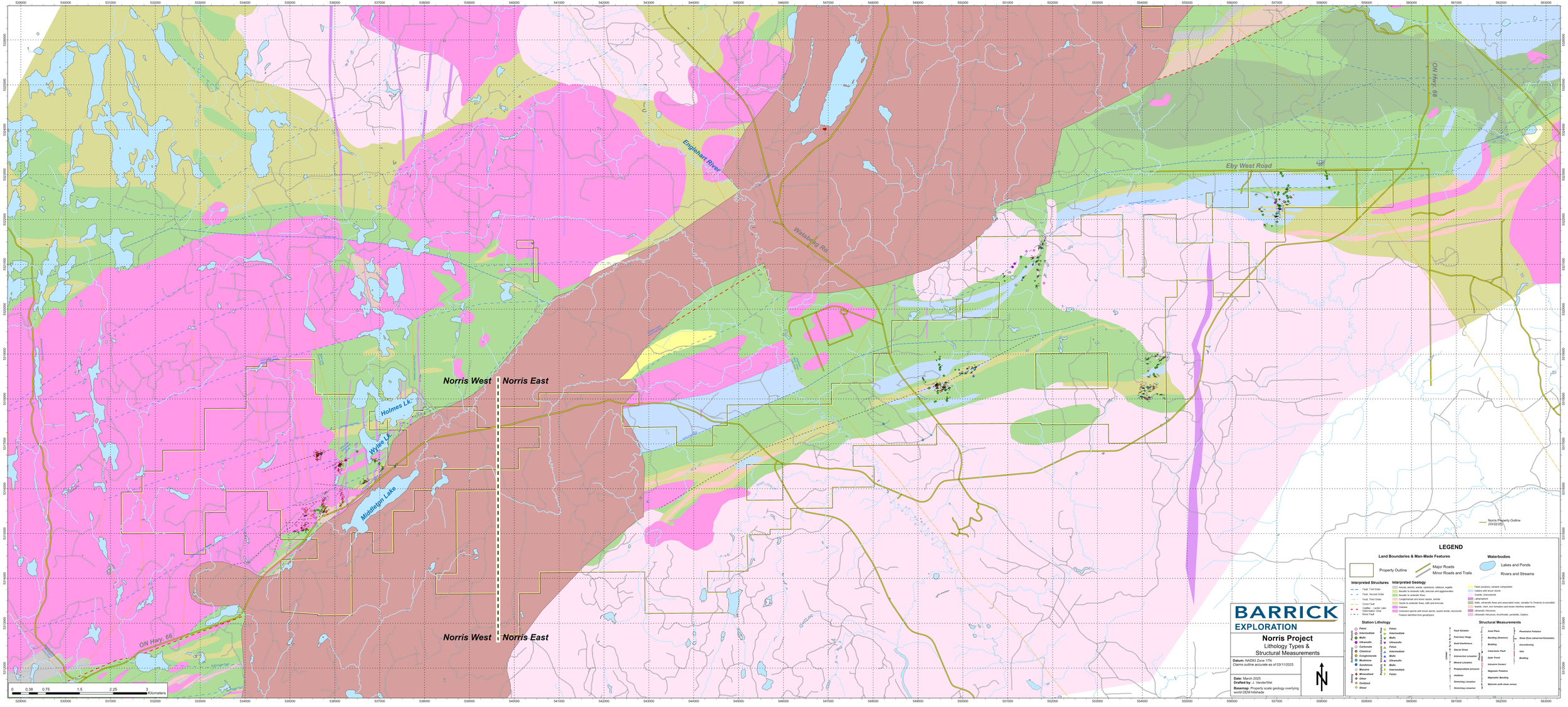
Waterbodies

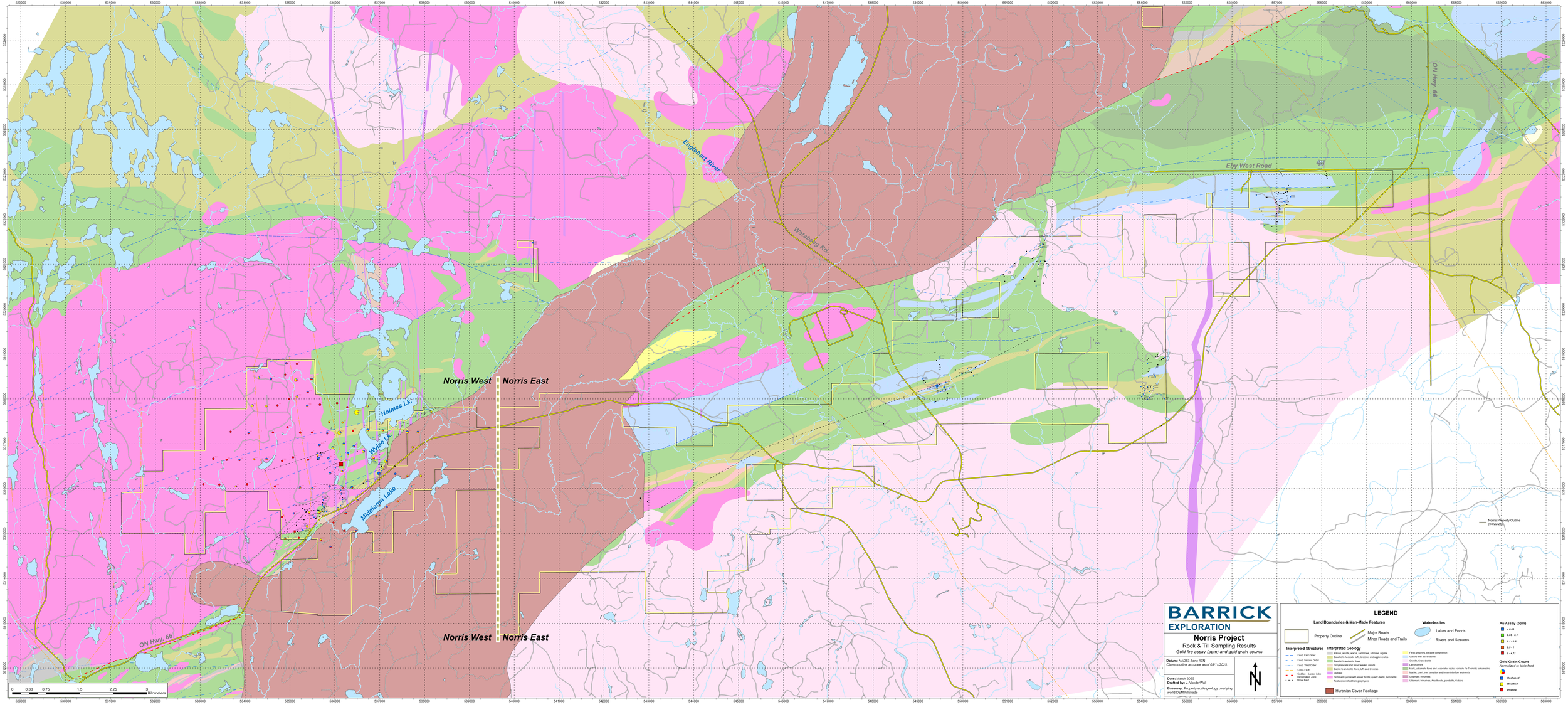
- Lakes and Ponds
- Rivers and Streams

Canopy Height Model

- Barren Ground *< 0.1 m*
- Shrub & Grassland *< 1 m*
- Immature Forest *< 5 m*
- Intermediate Forest *< 10 m*
- Mature Forest *> 10 m (to 55.853 m)*


Norris West
Norris East
Norris West
Norris East
Brookbank Claims
Allen-Coghill/ Chartra-Dufresne/ Mooseshunt Veins/ Wylee Lake Deformation Zone
Biralger Showing
Island 27 Prospect
Lucky Irish Showing
Highway 66 Corridor
Watabeag BIF
Highway 66 Gneiss Area
The "Squeeze"
Eby West Road Area
Preston Dome Mines
Eby West Road
ALMA
HOLMES
BURT
EBY
CAIRO
AVELLE
GROSS
ON Hwy. 66
Englehart River
Wylee Lake
Holmes Lake
Widgeton Lake
Watabeag River
Englehart River
0 0.38 0.75 1.5 2.25 3 Kilometers
BARRICK
EXPLORATION
Norris Project
Historic Exploration Drilling Map
By Decade and Hole Depth
Datum: NAD83 Zone 17N
Claims and drilling data accurate as of 03/11/2025
Map Scale: 1:20000
Date: March 2025
Drafted by: J. VanderWal
Basemap: World Topographic map overlying hillshade
Legend
Exploration Drilling by Hole Length
< 150 m
151 – 300 m
301 – 450 m
451 – 600 m
> 601 m
Number of Holes
Hole Length (not true depth)
Graph only includes drilling within the Norris Property boundary
Land Boundaries & Administrative Features
213987 Claims Tenure Outlines
Property Outline
CAIRO Townships & Geographic Areas
Major Roads
Minor Roads and Trails
Historic Exploration Prospect Footprints discussed in text
2024 Field Mapping Areas of Interest
Waterbodies
Lakes and Ponds
Rivers and Streams
Exploration Drilling by Decade
Pre - 1960
1961 - 1970
1971 - 1980
1981 - 1990
1991 - 2000
2001 - 2010
2011 - 2021
Cumulative Drilling (m)
Year
Graph only includes drilling within the Norris Property boundary


Norris West
Norris East
Norris West
Norris East
Holmes Lk.
Wyles Lk.
Middleton Lake
Engelhart River
Watabeag Rd
Eby West Road
ON HWY 65
ON HWY 66
Norris Property Outline (03/2025)
0 0.38 0.75 1.5 2.25 3 Kilometers
LEGEND
Land Boundaries & Man-Made Features
Property Outline
Major Roads
Minor Roads and Trails
Waterbodies
Lakes and Ponds
Rivers and Streams
Interpreted Structures
Fault, First Order
Fault, Second Order
Fault, Third Order
Cross Fault
Cadillac - Larder Lake Deformation Zone
Minor Fault
Interpreted Geology
Station Lithology
Structural Measurements
BARRICK
EXPLORATION
Norris Project
Lithology Types &
Structural Measurements
Datum: NAD83 Zone 17N
Claims outline accurate as of 03/11/2025
Date: March 2025
Drafted by: J. VanderWal
Basemap: Property scale geology overlying world DEM hillshade


Norris West
Norris East
Norris West
Norris East
Holmes Lk.
Wyles Lk.
Middleton Lake
Engelhart River
Watabeag Rd
Eby West Road
ON HWY 65
ON HWY 66
Norris Property Outline (03/2025)
0 0.38 0.75 1.5 2.25 3 Kilometers
BARRICK
EXPLORATION
Norris Project
Rock & Till Sampling Results
Gold fire assay (ppm) and gold grain counts
Datum: NAD83 Zone 17N
Claims outline accurate as of 03/11/2025
Date: March 2025
Drafted by: J. VanderWal
Basemap: Property scale geology overlying world DEM hillshade
LEGEND
Land Boundaries & Man-Made Features
Property Outline
Major Roads
Minor Roads and Trails
Waterbodies
Lakes and Ponds
Rivers and Streams
Interpreted Structures
Fault, First Order
Fault, Second Order
Fault, Third Order
Cross Fault
Cadillac – Larder Lake Deformation Zone
Minor Fault
Interpreted Geology
Arkosic, wrinkle, wacke, kaolinitose, siltstone, argillite
Basaltic to andesitic tuffs, breccias and agglomerates
Basaltic to andesitic flows
Conglomerate and lesser wacke, arenite
Diacite to andesitic flows, tuffs and breccias
Diabase
Dominant syenite with lesser diorite, quartz diorite, monzonite
Feature identified from geophysics
Feldspar porphyry, variable composition
Gabbro with lesser diorite
Granite, Granodiorite
Lamprophyre
Mafic, ultramafic flows and associated rocks, variable Fe Tholeiitic to komatiitic
Marble, chert, iron formation and lesser clastic sediments
Ultramafic intrusives
Ultramafic intrusives, Anorthosite, pyroxinite, Gabbro
Huronian Cover Package
Au Assay (ppm)
< 0.05
0.05 - 0.1
0.1 - 0.5
0.5 - 1
1 - 4.71
Gold Grain Count
Normalized to table feed
Reshaped
Modified
Pristine

Appendix I – KBM Resources Group LiDAR Survey Report & Methodology

LIDAR Survey – Acquisition and Processing Report

6/19/2024

Barrick Gold – Block N Kirkland Lake

Prepared for:
Barrick Gold Corp.
161 Bay Street, Suite 3700
Toronto, Ontario, Canada M5J 2S1

Prepared by:
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349 Mooney Ave.
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647-206-6863

KBM Contact:
Shawn Mizon
Tel: +1-807-345-5445
Email: smizon@kbm.ca

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LIDAR Point cloud processing 3

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LIDAR absolute vertical accuracy 4

LIDAR relative vertical accuracy 4

LIDAR density 5

1. PROJECT OVERVIEW

Barrick Gold Corporation contracted KBM Resources Group to acquire LIDAR and Aerial Imagery for an area of approximately 196 sq. km, outside of Kirkland Lake, Ontario. The following is a report that outlines data acquisition, processing and accuracy assessment procedures used for delivered LIDAR and imagery. Data were acquired over the project area on 16-MAY-2024.

Project Area

Figure 1 is an overview of the project area that covers an area of approximately 196 sq. km

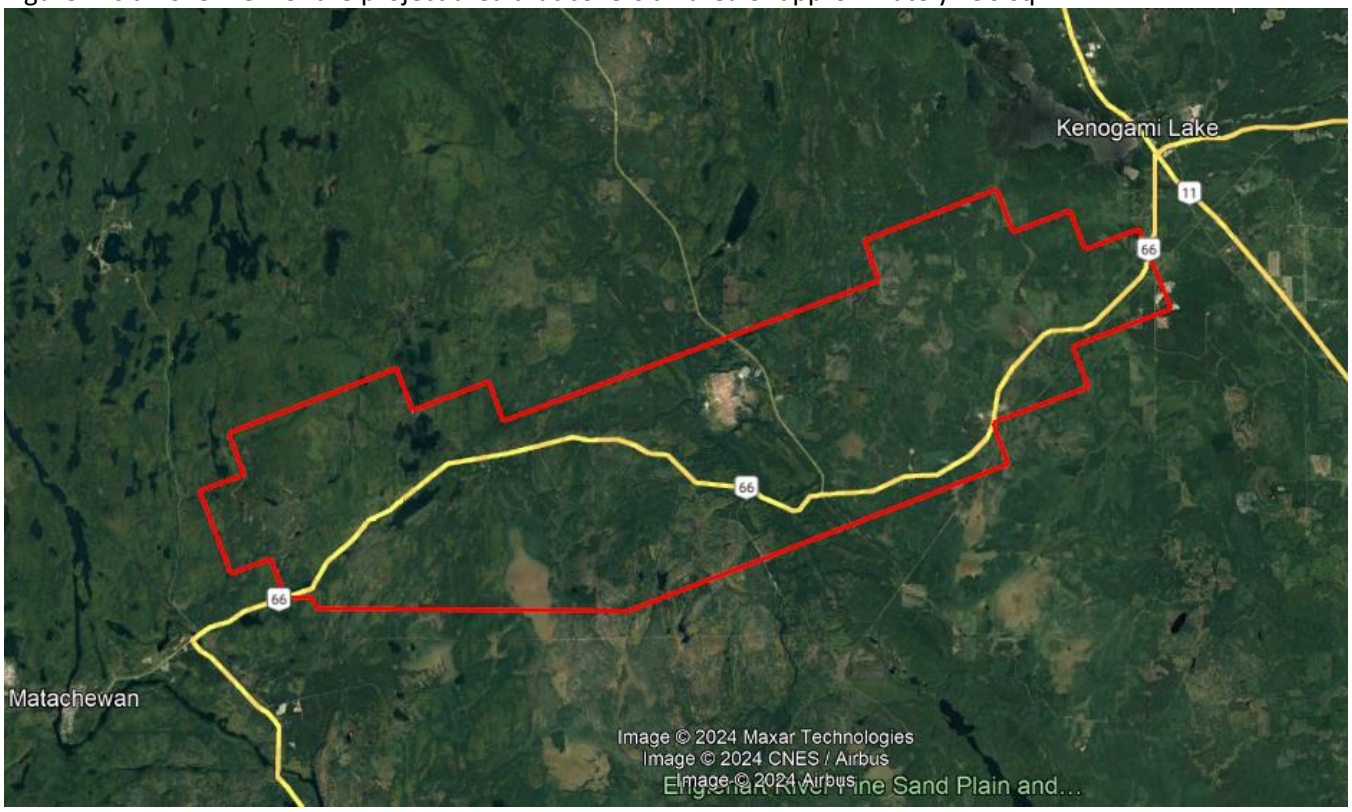


FIGURE 1: OVERVIEW OF SURVEY AREA

Data Acquisition Requirements

The survey was planned to achieve the following requirements:

LIDAR

- Relative vertical accuracy of 15 cm or better
- Average pulse density 8 pulses/sq. m or better

Ortho Imagery

- Digital color photos with ground sample distance (GSD) of 15 cm to be adjusted, colour-balanced, and mosaicked into a single orthoimage layer pixel resolution of 15 cm.

Geodetic parameters

All positional data were processed to the following geodetic parameters,

Horizontal datum	: NAD83(CSRS), Epoch 2011.00
Vertical datum	: CGVD28
Projection	: UTM Zone 17 - North

LIDAR

Planned LIDAR acquisition specifications were as follows:

Laser scanner manufacturer and model	: Riegl VQ-780II-S
Laser pulse repetition frequency (PRF)	: 1951 kHz
Laser scan frequency	: 221 Hz
Flying height	: 1702 m above ground level
Max. scan angle	: +/-30^{o} from nadir (60^{o} field of view)
Pulse density (avg. per swath)	: 9.89 points per sq. m

Photography

Planned photo acquisition specifications concurrently collected with LIDAR were as follows:

Camera model	: UltraCam Falcon Prime
Lens focal length	: 100 mm
Average ground sample distance	: 10 cm
Along track overlap	: 60%
Side overlap	: 30%

2. DATA PROCESSING

Calibration

A complete and rigorous calibration for boresight and lens distortion offsets occurs two to three times a year or if equipment is changed or dismounted from the aircraft frame. The last calibration was performed 15-APR-2024. After acquisition, roll, pitch, heading and scale offsets are reconfirmed during the processing workflow using overlapping features in opposing and/or perpendicular flightlines.

Positioning

The positioning workflow requires precise coordinates over a static point or a network of static points to position the aircraft trajectory. For this area, a network of Can-Net active control stations were used to generate virtual reference stations for each acquisition session.

LIDAR Point cloud processing

The LIDAR point-cloud processing workflow includes, extracting the range point-cloud from LIDAR sensor, transforming the point-cloud into real-world coordinates by combining the SBET with LIDAR ranges, checking and correcting relative and global offsets, tiling data into 1 km x 1 km tiles, extracting ground points, de-noising and quality checks. The following is a summary of each step in the workflow:

Processing Step	Software used
Extract discrete LIDAR returns from raw pulse waveform data with range, precise timestamp and other attributes such as intensity and scan angle.	RiAnalyze v7.1.1
Combine ranges and SBET using timestamps to generate a globally referenced LIDAR point cloud, apply a CGVD2013 geoid correction to convert elevations to orthometric heights and export point cloud in LAS 1.2 format. Three-dimensional projected UTM grid position, GPS timestamp, scan angle and flightline attributes are maintained. Data are checked for minor (< 5cm) relative and absolute vertical offsets and adjusted if necessary.	RiProcess v1.9.2, Terramatch v23
Eliminate outliers such as multipath and mid-air returns, segment data into manageable 1 km x 1 km tiles each with point-clouds classified as ground points and non-ground.	LASTools v22 and custom KBM software.
Manual inspection and quality checks for missing outliers or misclassification. Correct if required.	Terrascan v23

Image processing

The following section outlines the photo processing workflow that includes positioning, orthorectification, colour balancing, mosaicking, and quality control.

Processing Step	Software used
The exterior orientation (position and attitude) of each frame is extracted from the SBET after applying the necessary offset from antenna to sensor as well as boresight adjustments.	Inpho LPMaster 12.2
Combine photos, exterior orientations, and calibrated camera values (adjusted principle point, focal length, lens distortion) to perform aerial triangulation and bundle adjustment.	Inpho Match-AT 12.2
Orthorectification using LIDAR derived DEM	Inpho OrthoMaster 12.2
Mosaic images and colour-balancing between frames, manually inspect seamlines, check for gaps in imagery, clip to area of interest.	Inpho Orthovista 12.2, ERDAS Imagine, ArcGIS 10.x/PRO

3. ACCURACY ASSESSMENT

A general accuracy assessment is as follows:

SBET accuracy

The trajectory was positioned using multiple techniques both absolute (separation) and relative (RMS) offsets between solutions never exceeded 0.1 m. A detailed assessment of trajectory can be found in the attached diagnostic QC report '20240516_Barrick_sess1_PPX_QC.pdf'

LIDAR absolute vertical accuracy

Due to the lack of ground control data absolute accuracy has not been assessed.

LIDAR relative vertical accuracy

To assess relative accuracy, elevation differences between overlapping flightlines were used. Open-water areas were not used for comparison. Observed offsets were 0.057 m or less between flightlines.

Line	Points	Z shift
13722	1632238	-0.000
13723	1606040	-0.011
13720	1331030	+0.021
13724	522196	-0.015
13725	59701	-0.014
13726	1522177	-0.016
13727	1470640	-0.022
13721	790800	+0.057

LIDAR density

Calculated average point density, based on last returns only, for the area of interest is approx. 16.32 pulses/sq. m:

```
covered area in square units/kilounits: 193191340/193.19
point density: all returns 16.32 last only 12.09 (per square units)
      spacing: all returns 0.25 last only 0.29 (in units)
WARNING: there are 111 points with return number 6
WARNING: there are 2 points with return number 7
overview over number of returns of given pulse: 1630710531 1202399476 292470692 27986093 156461 654 14
histogram of classification of points:
       217724008  unclassified (1)
      1538570405  ground (2)
         4272107  medium vegetation (4)
      1392877034  high vegetation (5)
          246520  building (6)
           33847  noise (7)
```

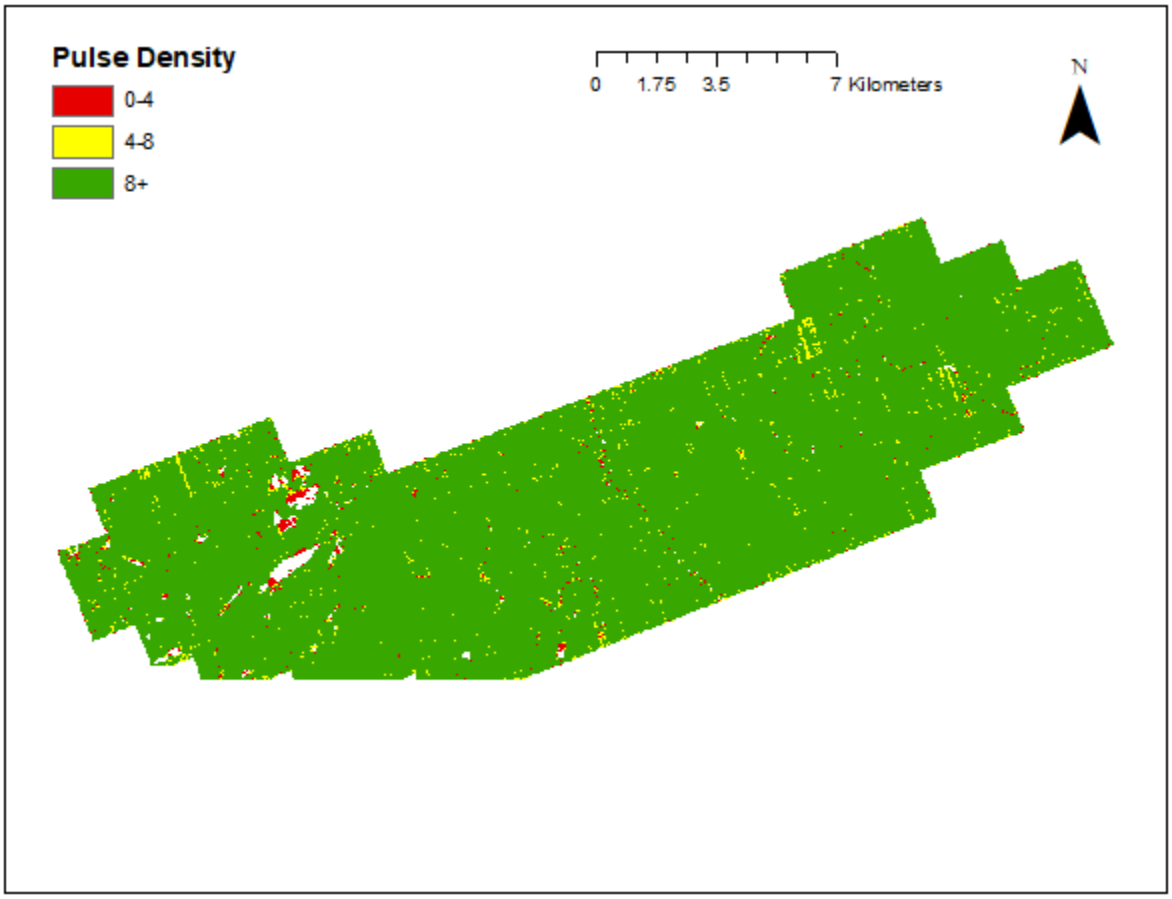


FIGURE 2: AGGREGATE LIDAR DENSITY MAP (LAST RETURNS ONLY)

General Information

Mission Information

Project name	20240516_Barrick_sess1_PPX
Processing date	2024-05-30 15:18:10
Mission date	2024-05-16 17:44:46
Mission duration	04:42:17.041
Processing mode	IN-Fusion PP-RTX

Rover Hardware Information

Product	POS AV 610 VER6 HW2.5-12
Serial number	S/N12427
IMU type	57
Receiver type	BD982
Antenna type	42G1215A-XT1

Project File List

Rover Data Files

File name	File type
240516_171058_LIDAR_POS.GPS	POS Data

Input Files

File Name	File Type
Ephm1370.24g	GLONASS Broadcast Ephemeris
Ephm1370.24n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_Mission 1.out	SBET Trajectory File

Rover Data Summary

First raw data file	240516_171058_LIDAR_POS.GPS		
Last raw data file	240516_171058_LIDAR_POS.GPS		
Start GPS week	2314		
Start time	409485.875 (5/16/2024 5:44:27 PM)		
End time	426883.074 (5/16/2024 10:34:25 PM)		
Start of fine alignment	409944.959 (5/16/2024 5:52:06 PM)		
Available subsystems	Primary GNSS, IMU		
POS Event Input	Event 1 Input		
Correction data	None		
IMU Installation Lever Arms & Mounting Angles			
Reference to IMU lever arm (m)	0.000	0.000	0.000
Reference to IMU mounting angles (deg)	0.000	0.000	180.000
Reference to Primary GNSS lever arm (m)	0.000	0.000	0.000
Reference to Primary GNSS lever arm std dev (m)	-1.000		
Aircraft to Reference mounting angles (deg)	0.000	0.000	0.000

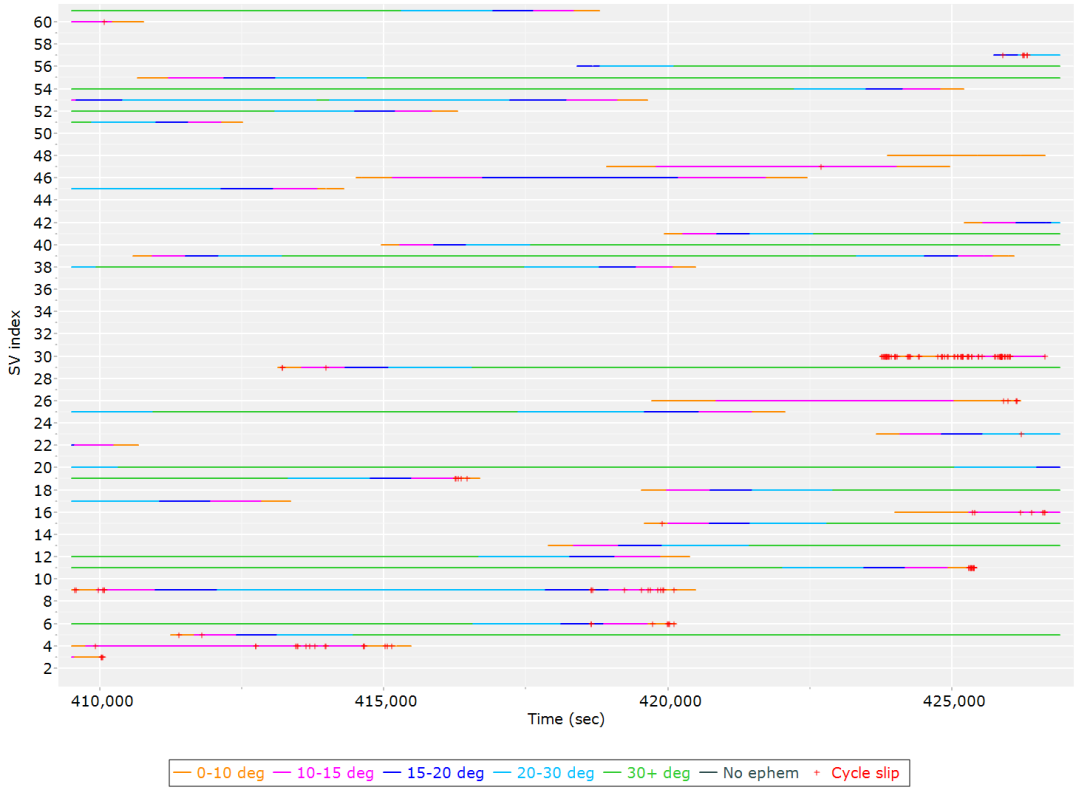
Rover Data QC

Raw IMU Import QC Summary

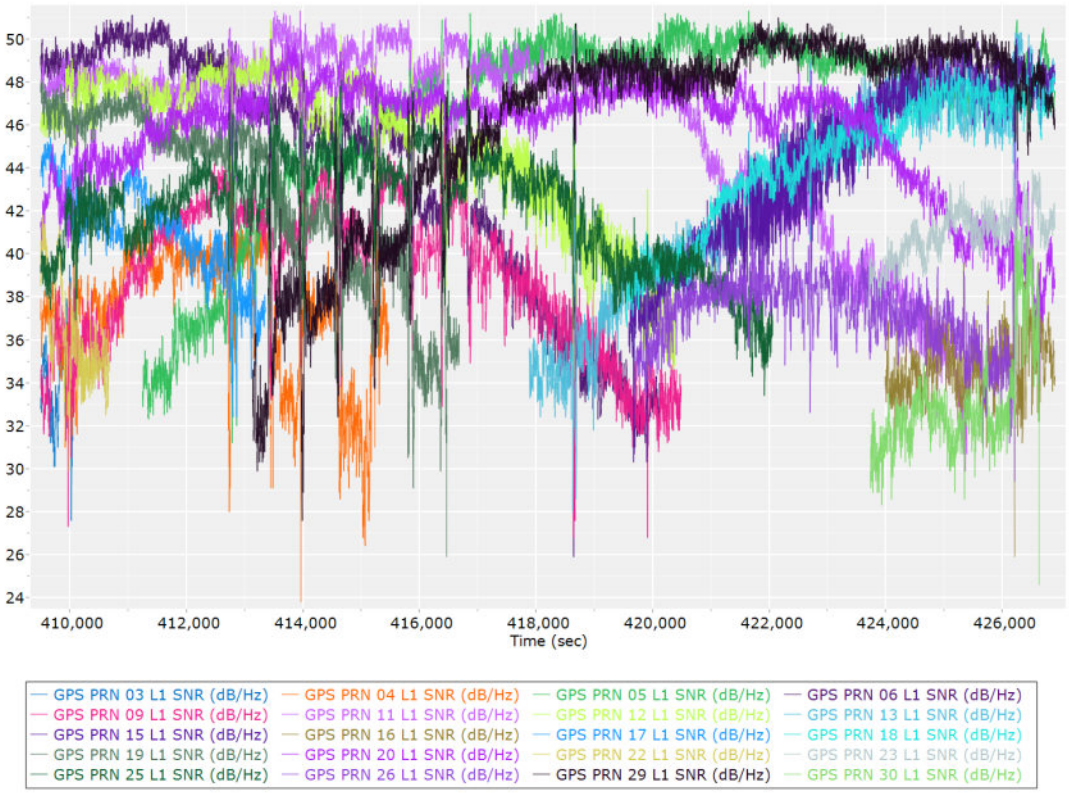
IMU data input file	imu_Mission 1.dat
IMU data check log file	imudt_Mission 1.log
IMU Records Processed	3478832
Termination Status	Normal
IMU Anomalies	0

Primary Observables & Satellite Data

GPS/GLONASS L1 Satellite Lock/Elevation



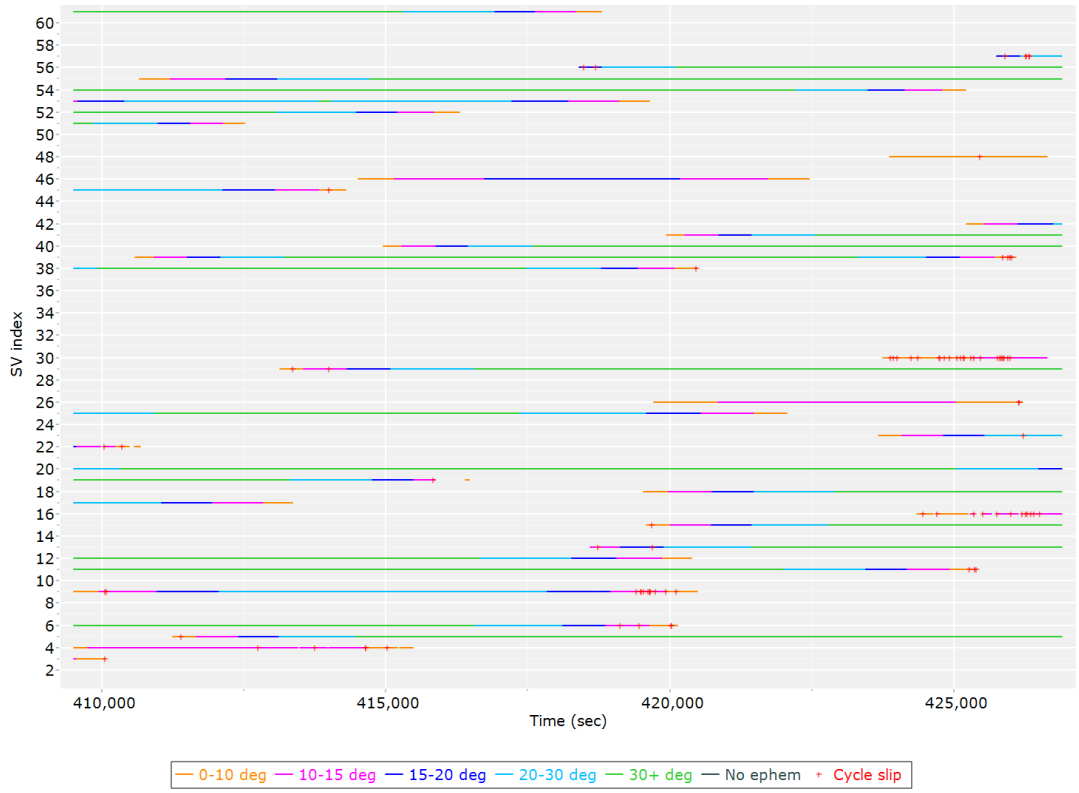
GPS L1 SNR



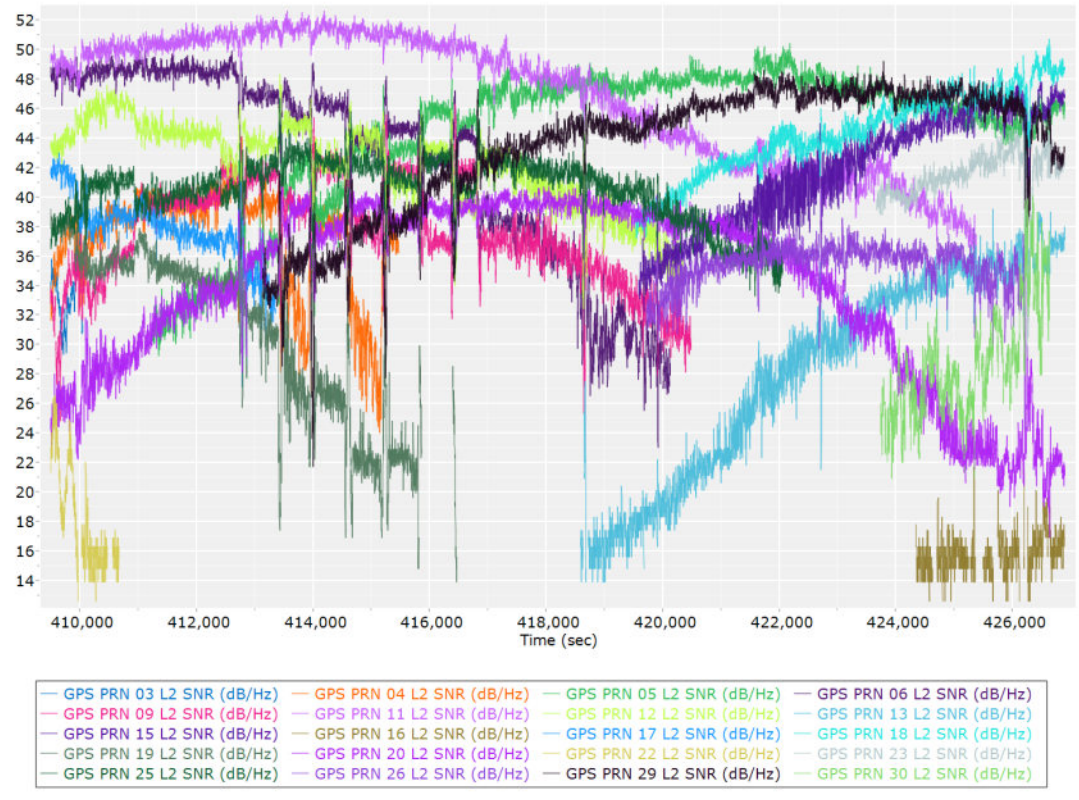
GLONASS L1 SNR



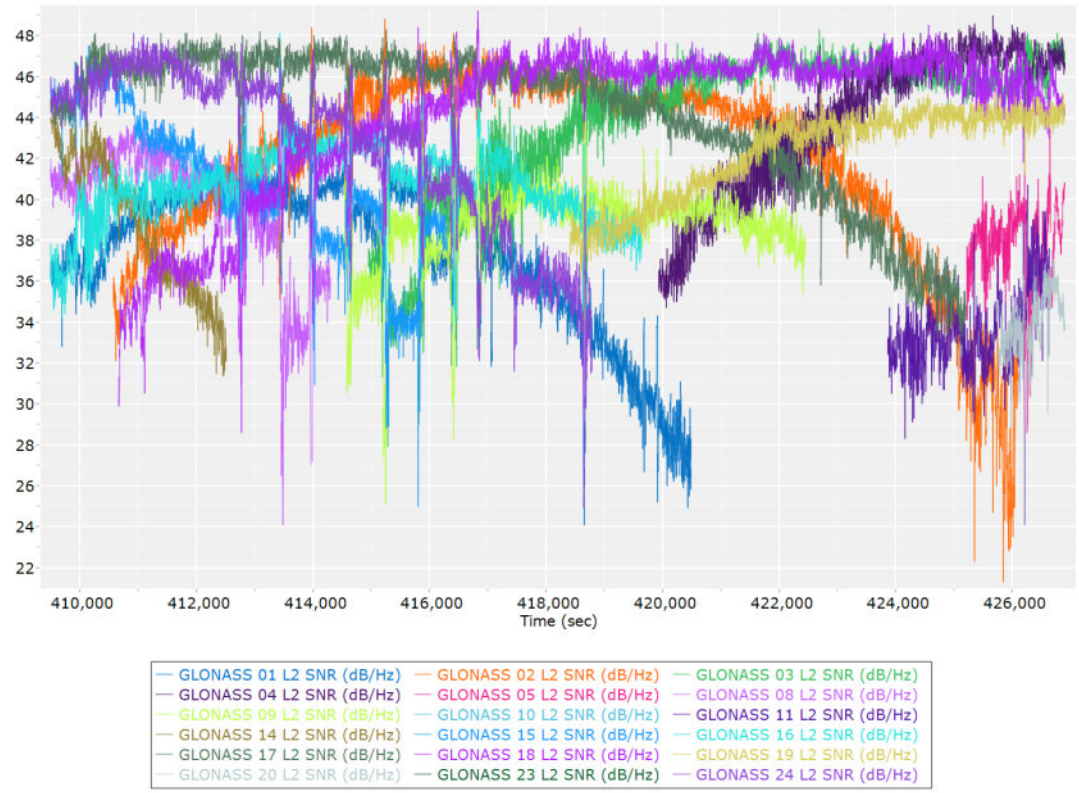
GPS/GLONASS L2 Satellite Lock/Elevation



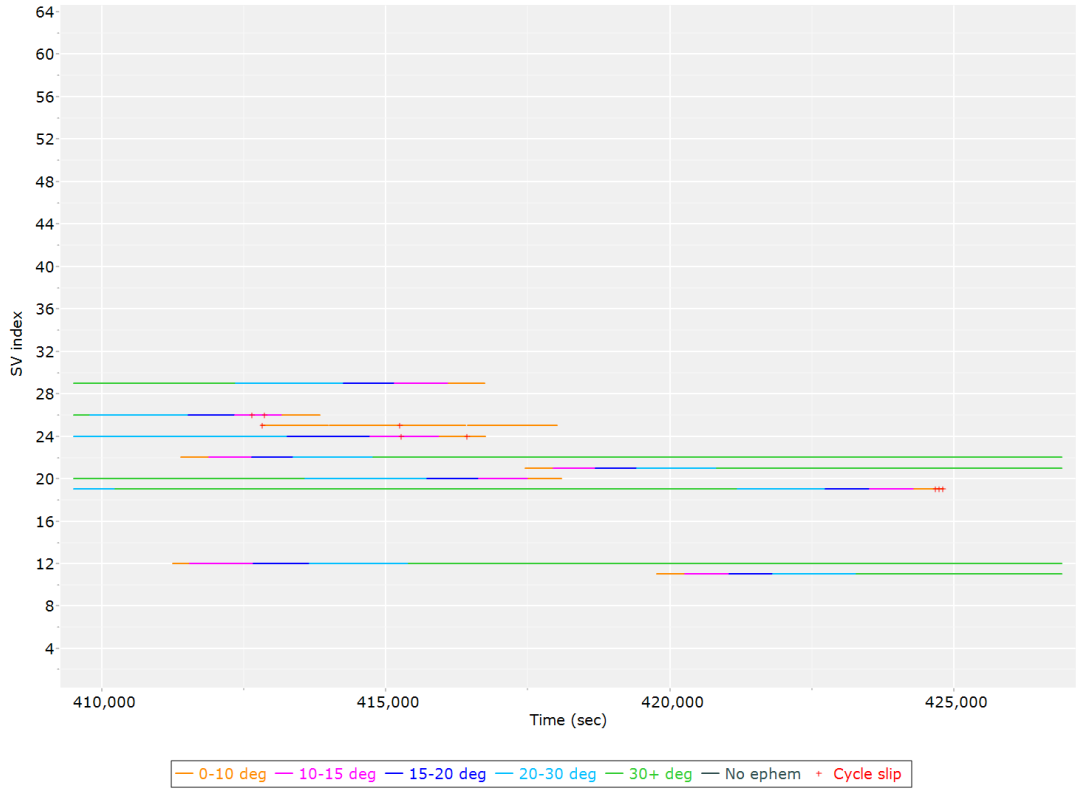
GPS L2 SNR



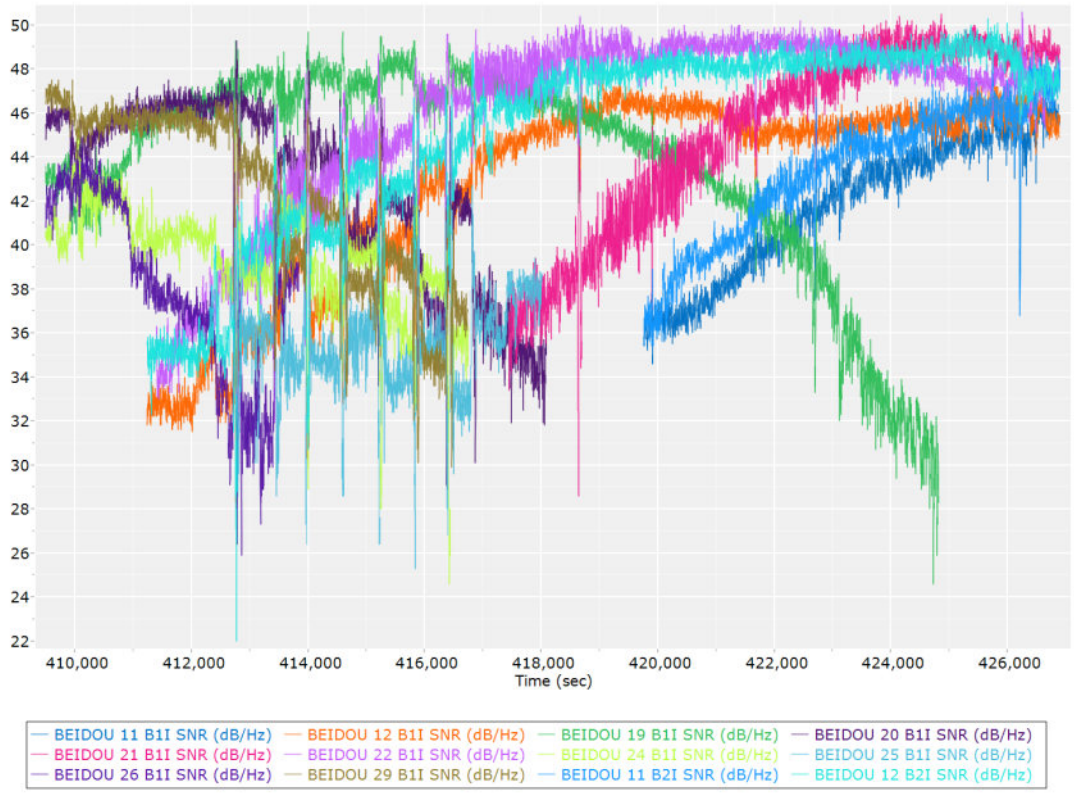
GLONASS L2 SNR



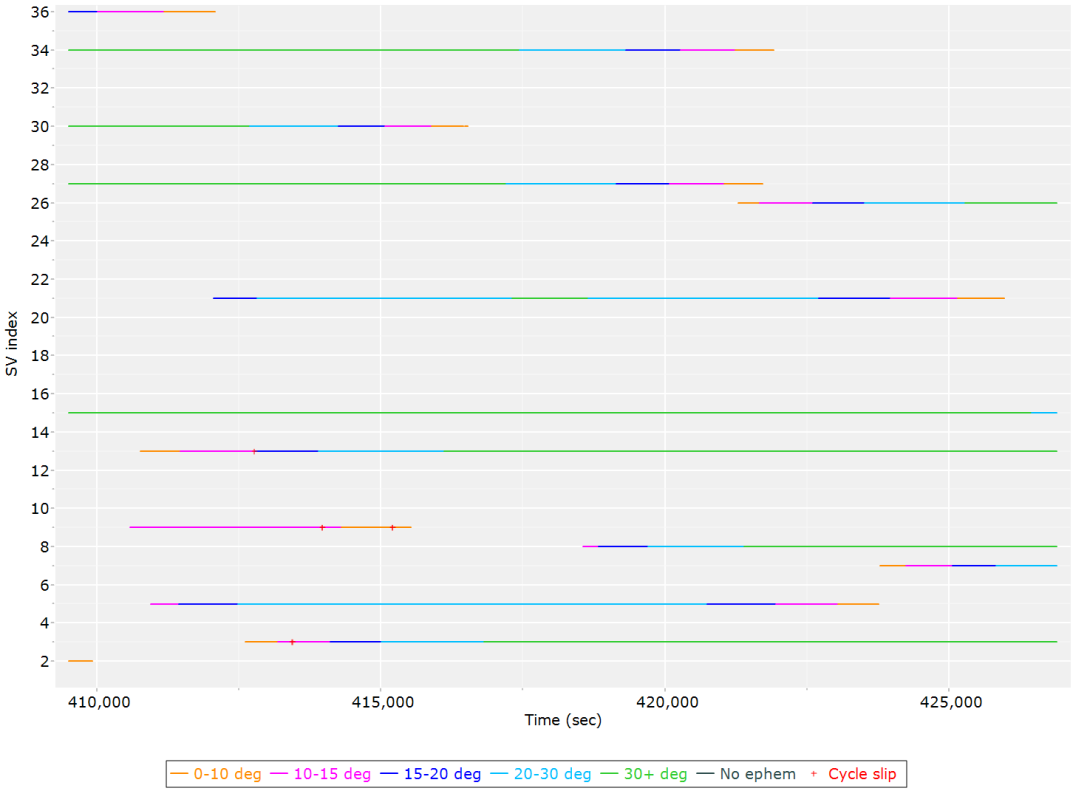
BEIDOU Satellite Lock/Elevation



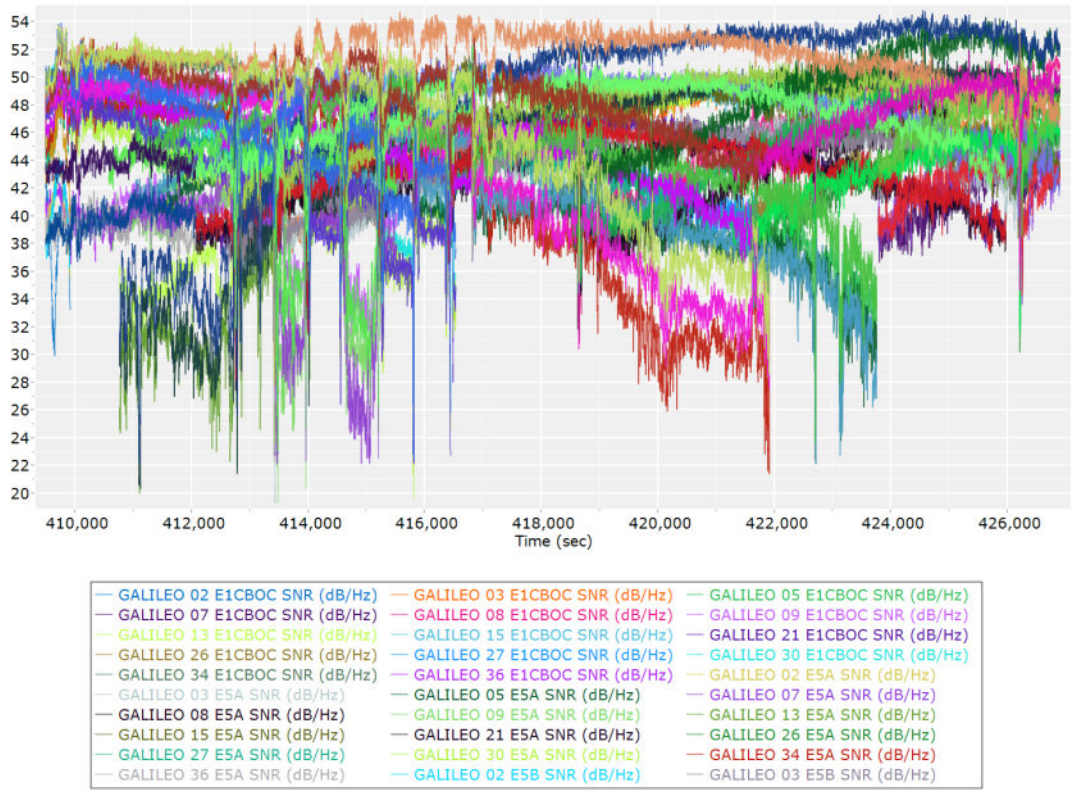
BEIDOU SNR



GALILEO Satellite Lock/Elevation

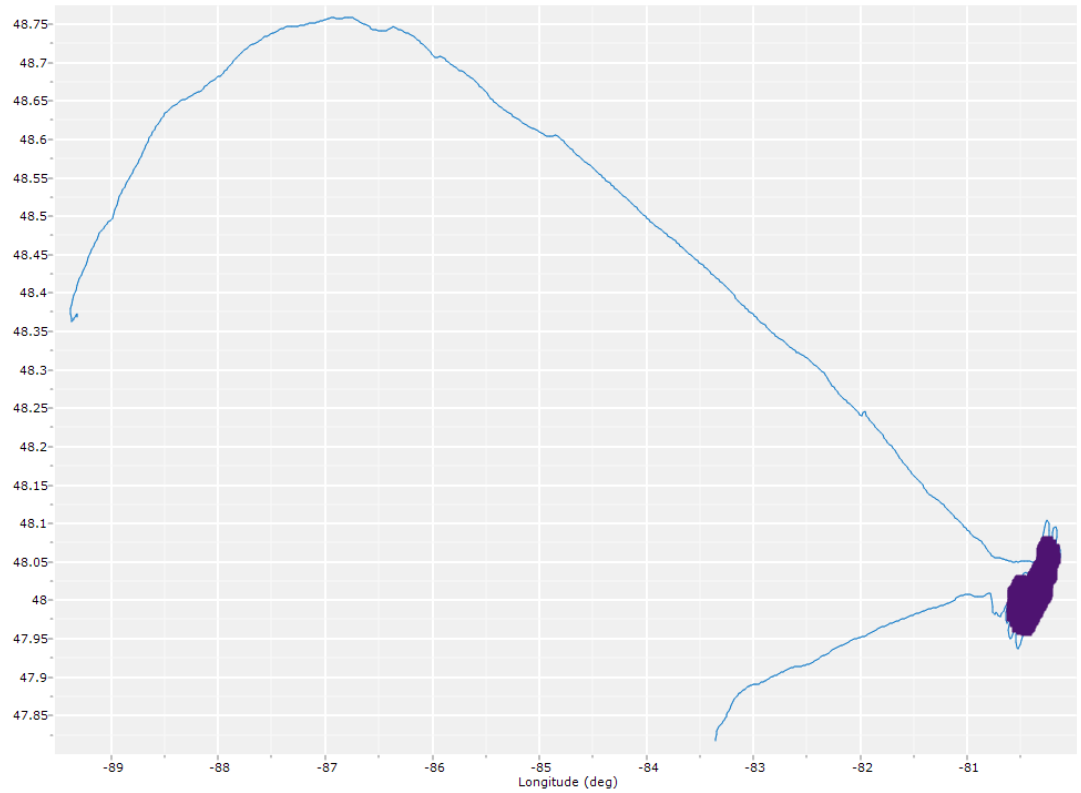


GALILEO SNR

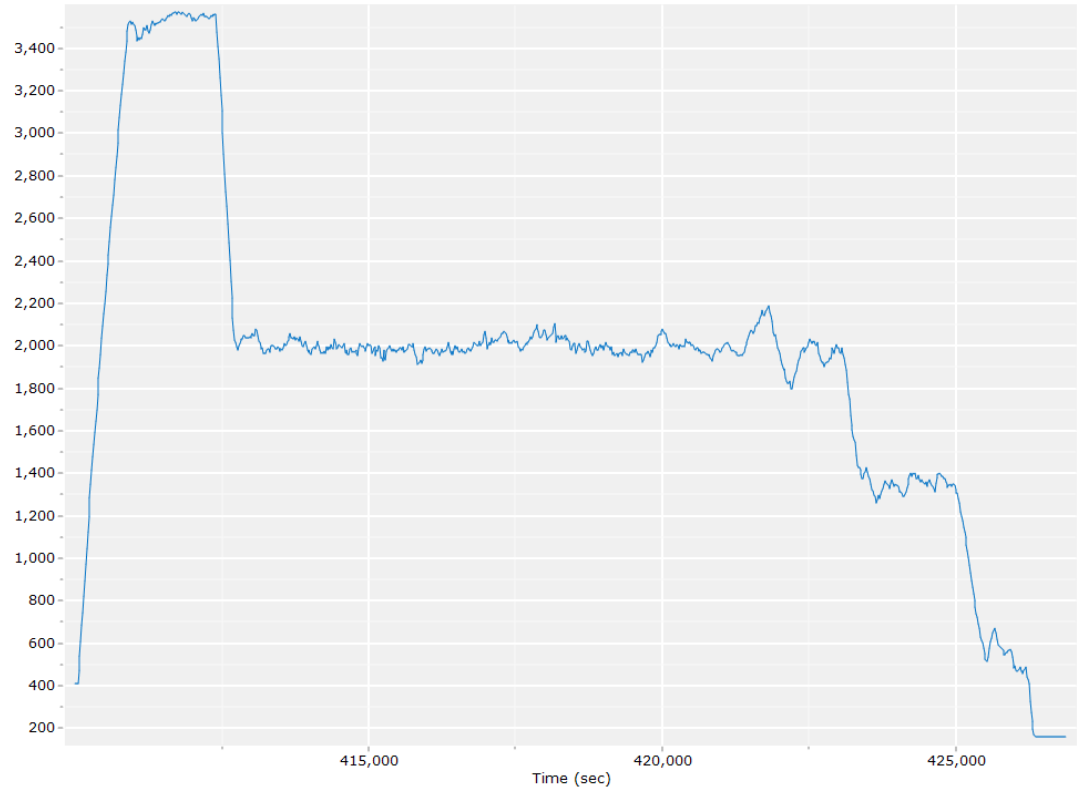

54
52
50
48
46
44
42
40
38
36
34
32
30
28
26
24
22
20
410,000
412,000
414,000
416,000
418,000
420,000
422,000
424,000
426,000
Time (sec)
GALILEO 02 E1CBOC SNR (dB/Hz)
GALILEO 03 E1CBOC SNR (dB/Hz)
GALILEO 05 E1CBOC SNR (dB/Hz)
GALILEO 07 E1CBOC SNR (dB/Hz)
GALILEO 08 E1CBOC SNR (dB/Hz)
GALILEO 09 E1CBOC SNR (dB/Hz)
GALILEO 13 E1CBOC SNR (dB/Hz)
GALILEO 15 E1CBOC SNR (dB/Hz)
GALILEO 21 E1CBOC SNR (dB/Hz)
GALILEO 26 E1CBOC SNR (dB/Hz)
GALILEO 27 E1CBOC SNR (dB/Hz)
GALILEO 30 E1CBOC SNR (dB/Hz)
GALILEO 34 E1CBOC SNR (dB/Hz)
GALILEO 36 E1CBOC SNR (dB/Hz)
GALILEO 02 E5A SNR (dB/Hz)
GALILEO 03 E5A SNR (dB/Hz)
GALILEO 05 E5A SNR (dB/Hz)
GALILEO 07 E5A SNR (dB/Hz)
GALILEO 08 E5A SNR (dB/Hz)
GALILEO 09 E5A SNR (dB/Hz)
GALILEO 13 E5A SNR (dB/Hz)
GALILEO 15 E5A SNR (dB/Hz)
GALILEO 21 E5A SNR (dB/Hz)
GALILEO 26 E5A SNR (dB/Hz)
GALILEO 27 E5A SNR (dB/Hz)
GALILEO 30 E5A SNR (dB/Hz)
GALILEO 34 E5A SNR (dB/Hz)
GALILEO 36 E5A SNR (dB/Hz)
GALILEO 02 E5B SNR (dB/Hz)
GALILEO 03 E5B SNR (dB/Hz)

Smoothed Trajectory Information

Top View



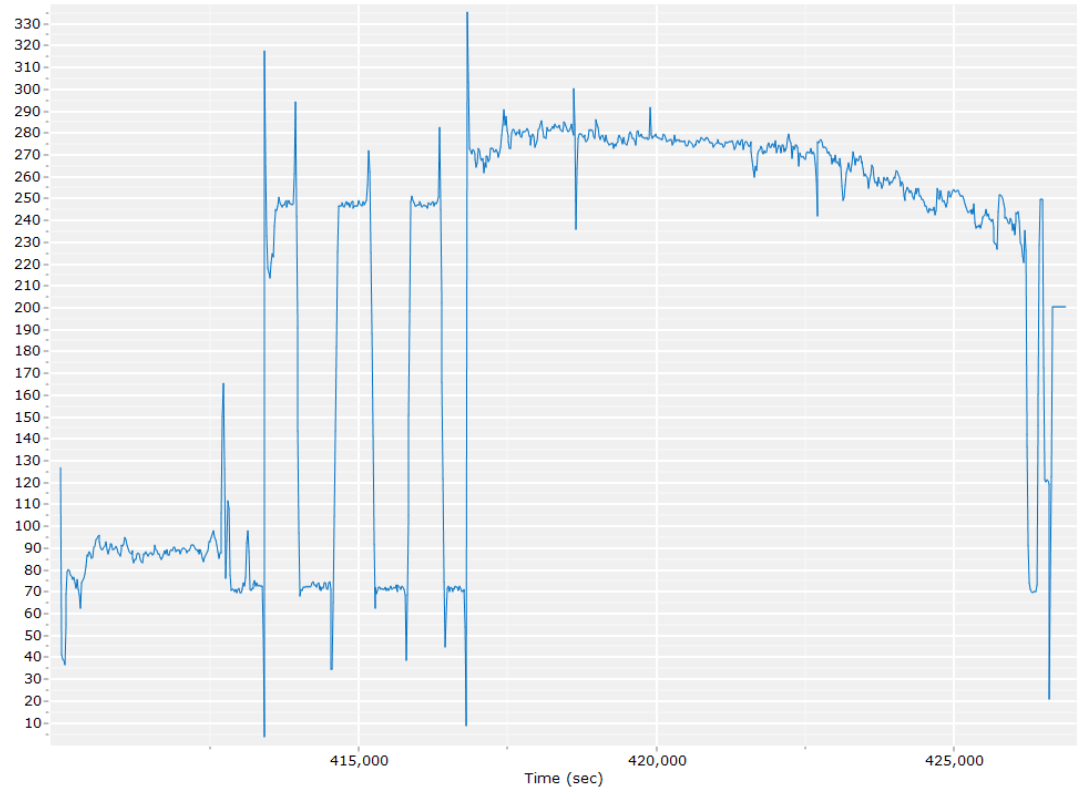
Altitude



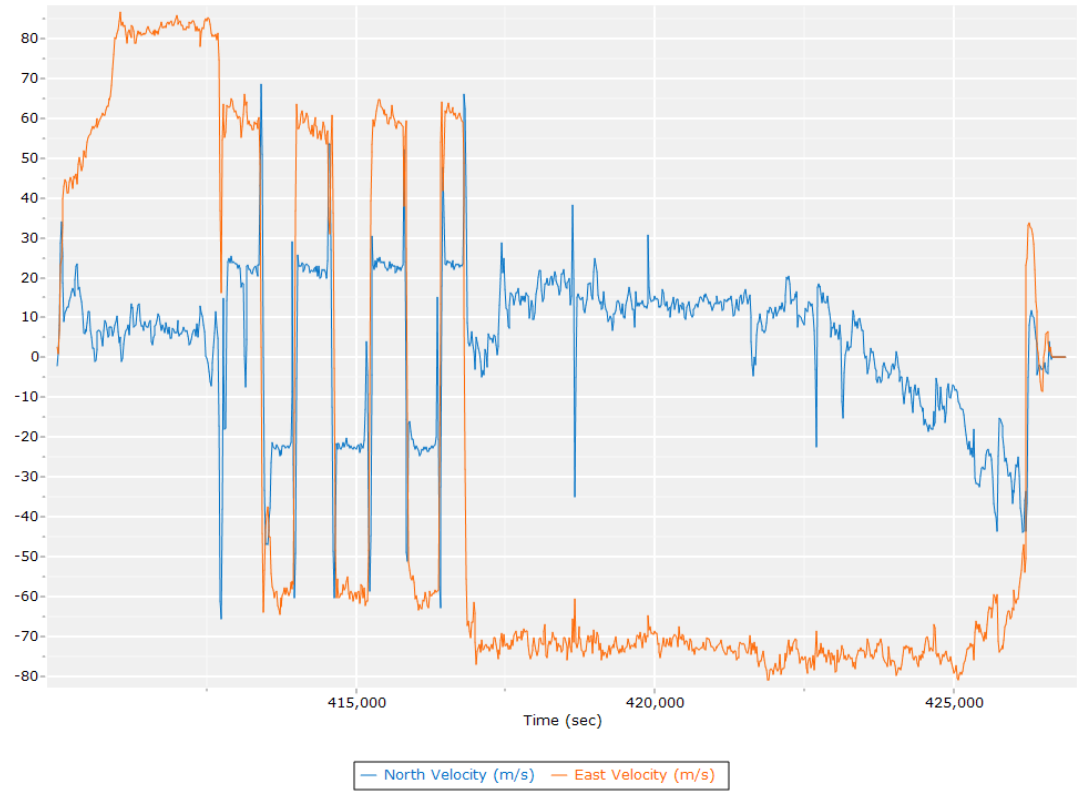
Roll/Pitch



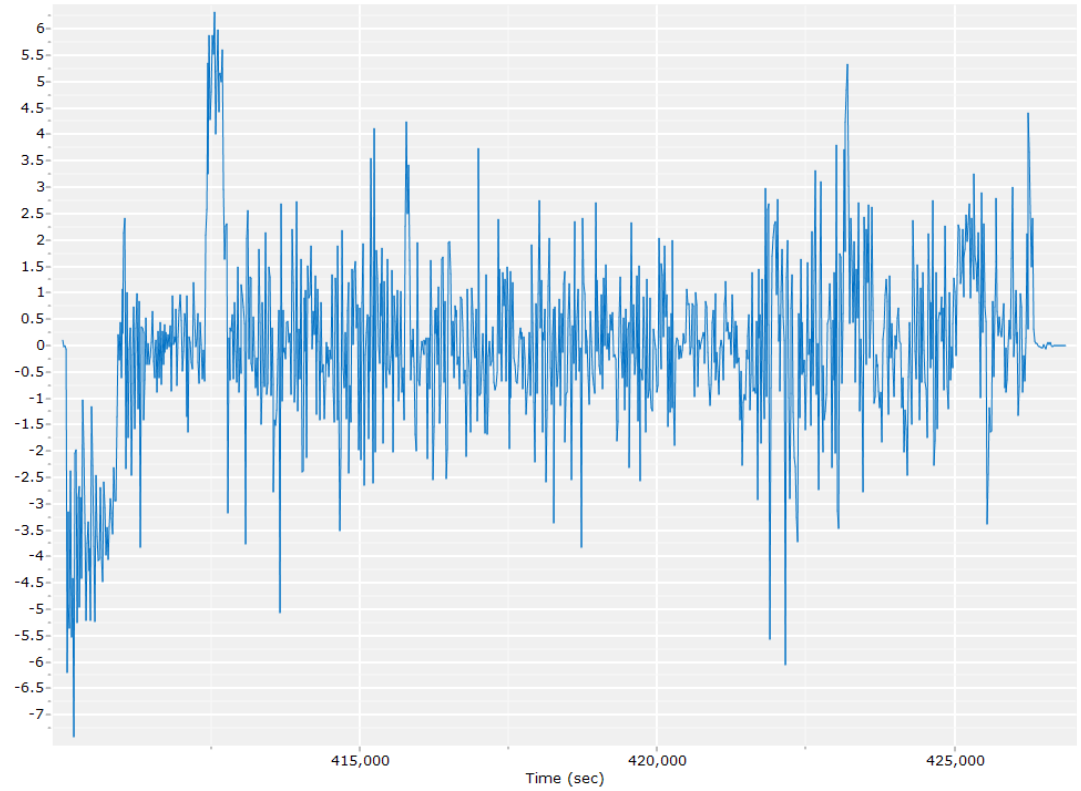
Heading



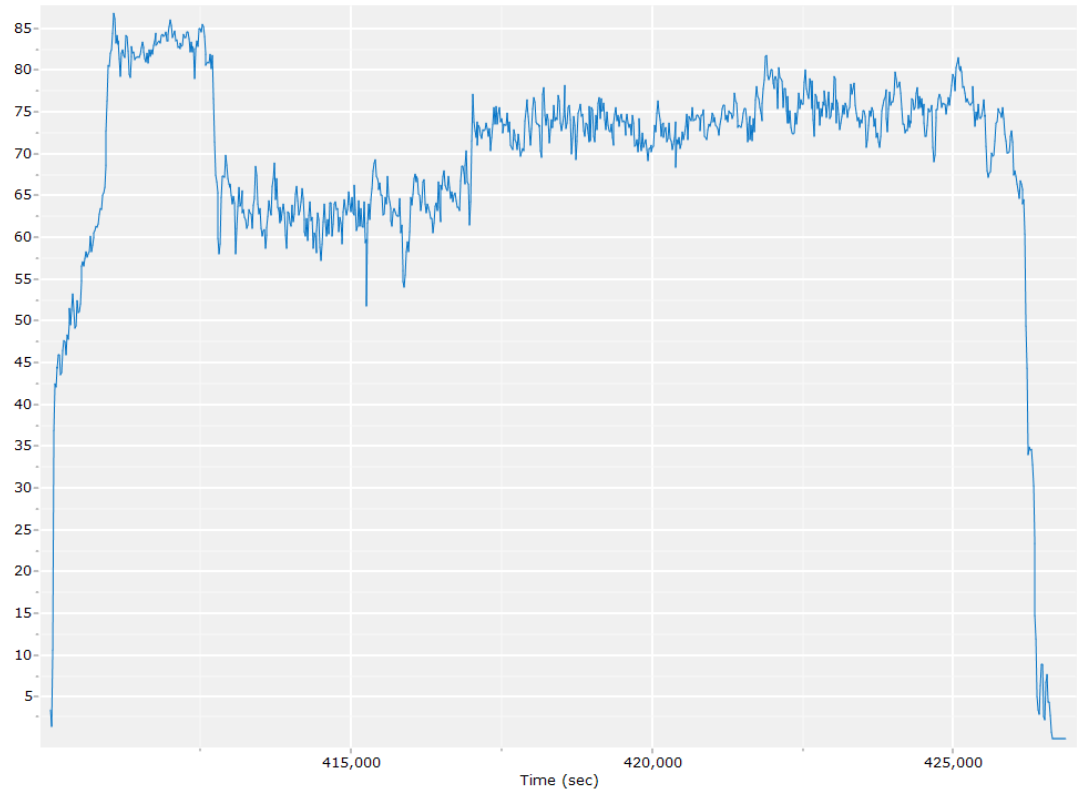
North/East Velocity



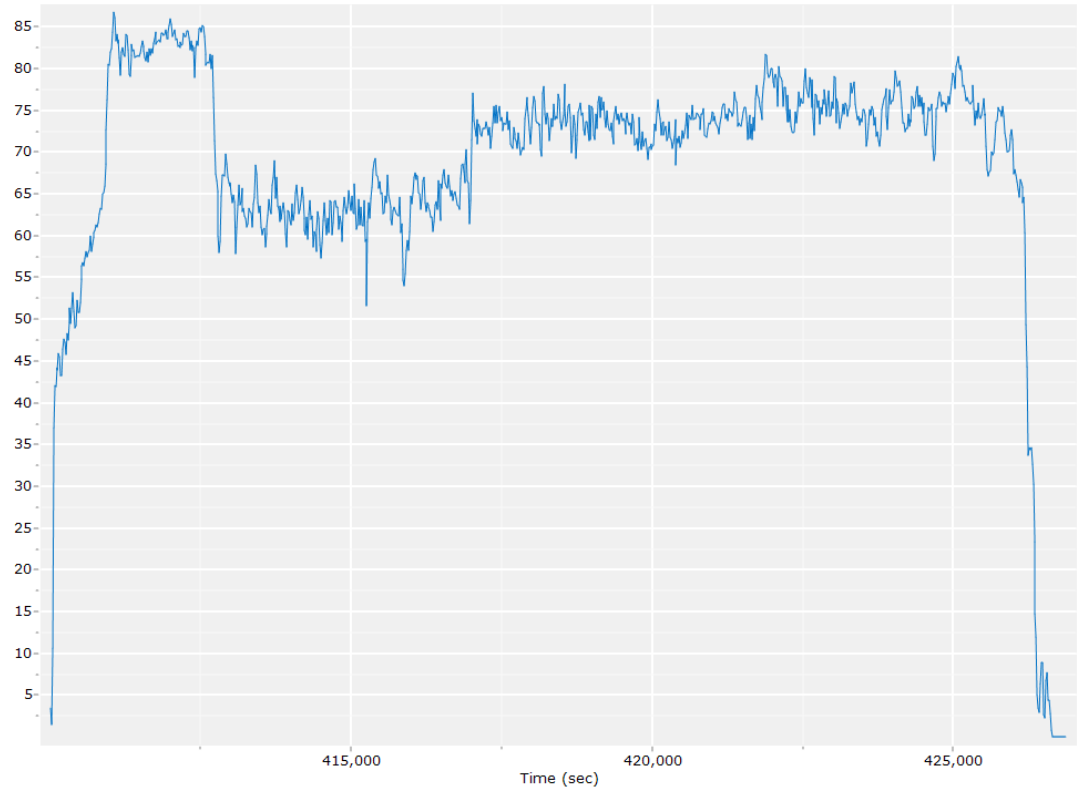
Down Velocity



Total Speed



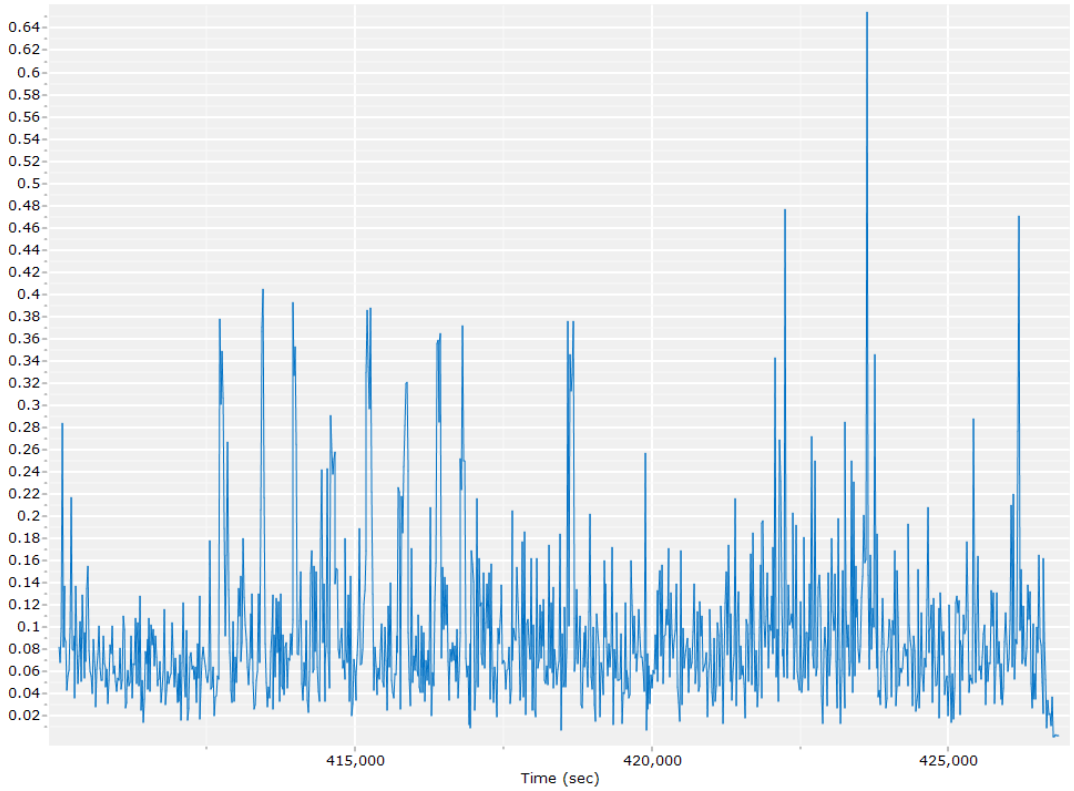
Ground Speed



Body Acceleration



Total Body Acceleration

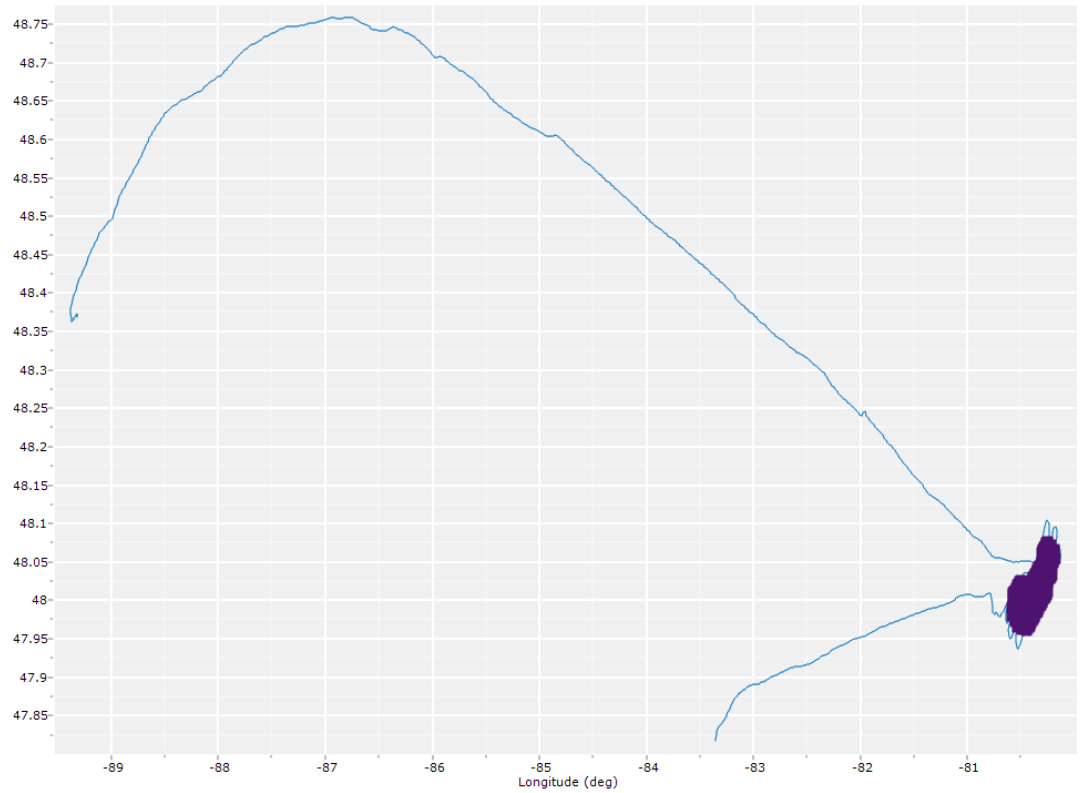


Body Angular Rate

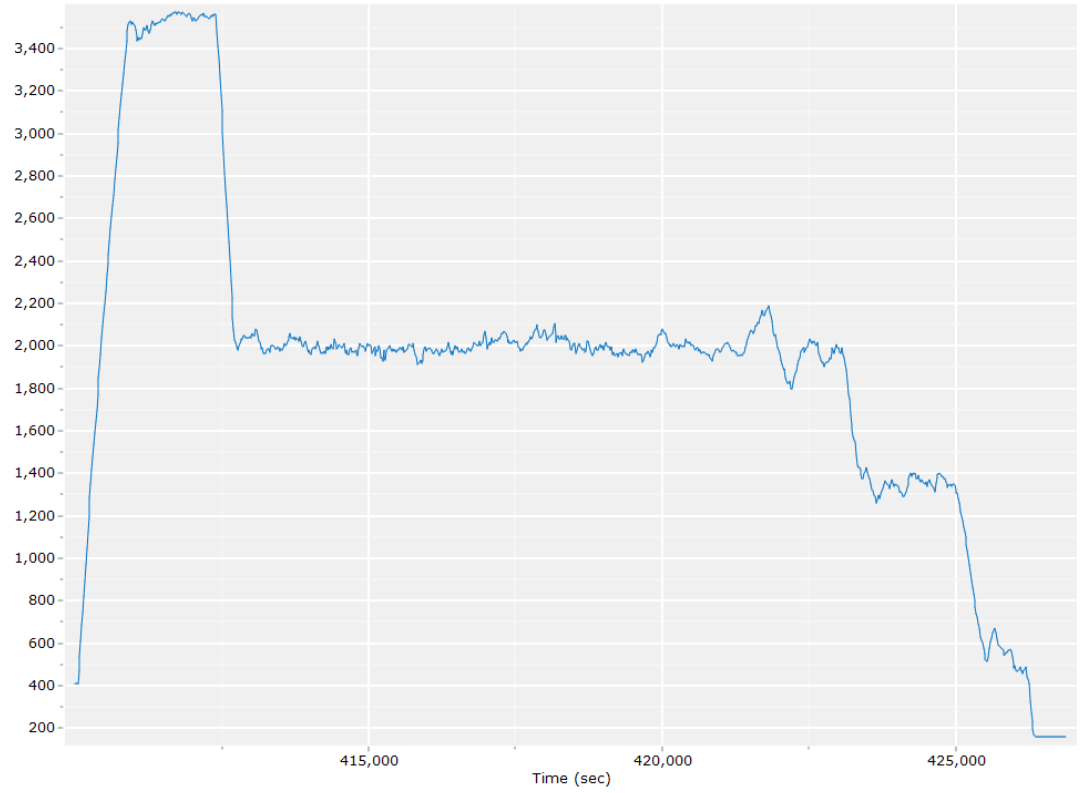


Forward Processed Trajectory Information

Top View



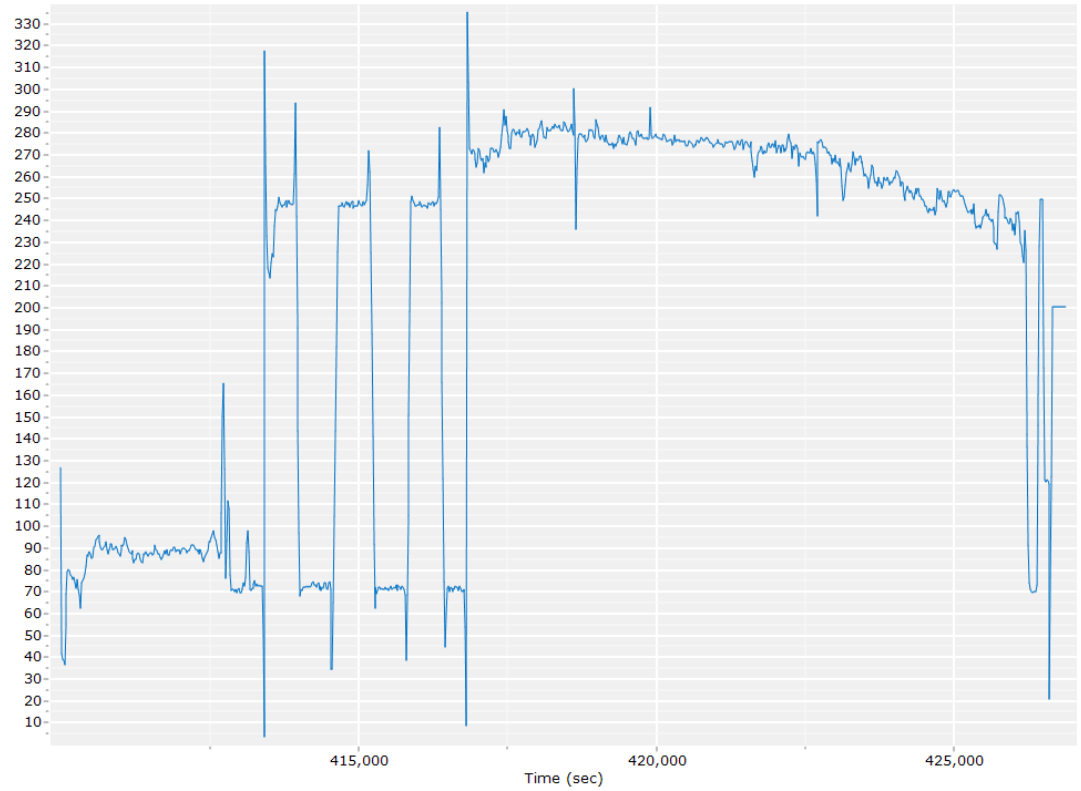
Altitude



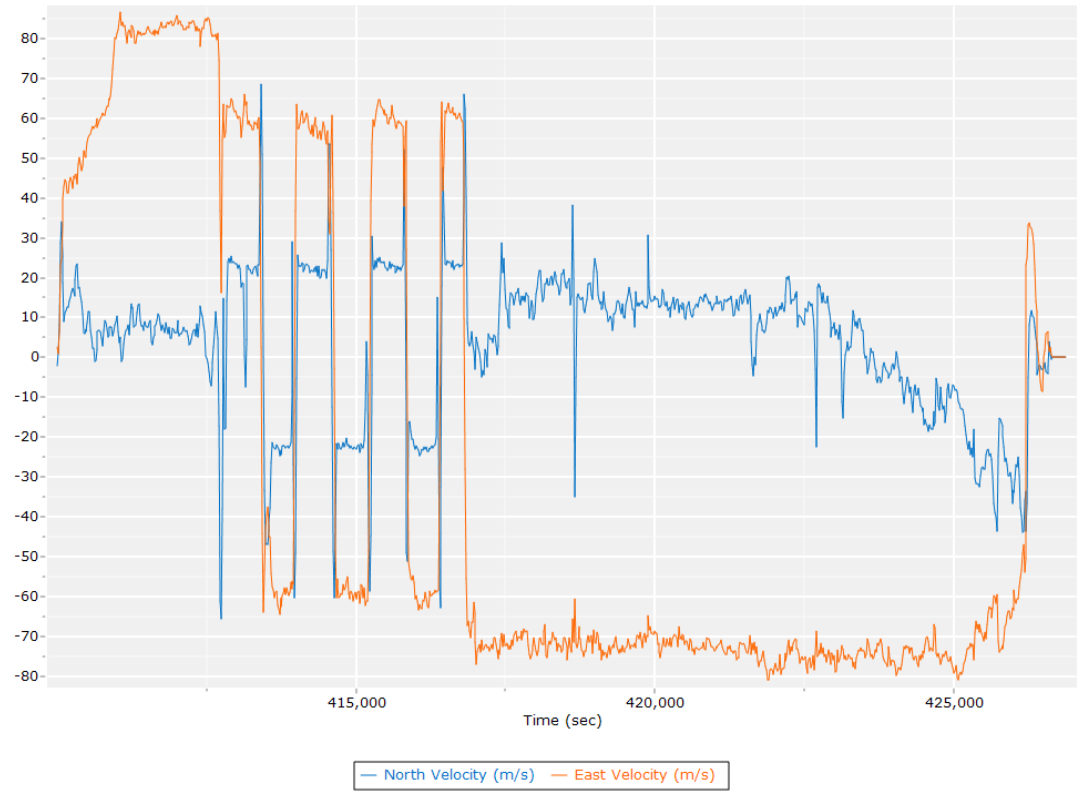
Roll/Pitch



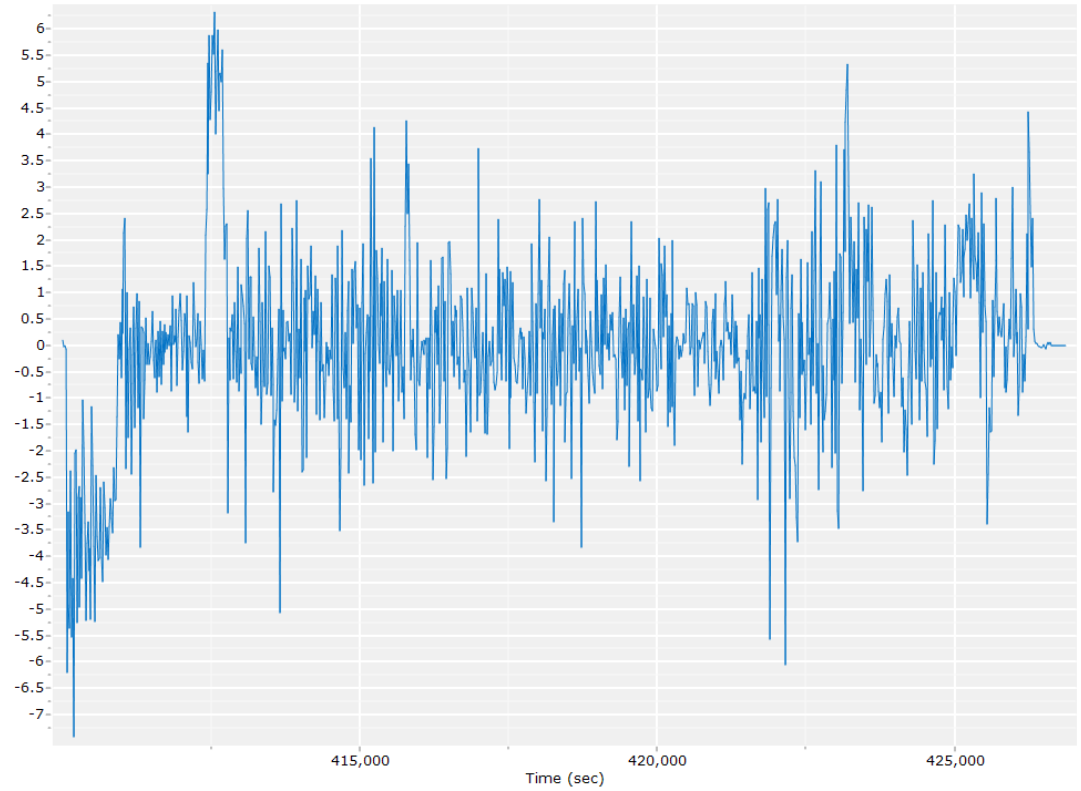
Heading



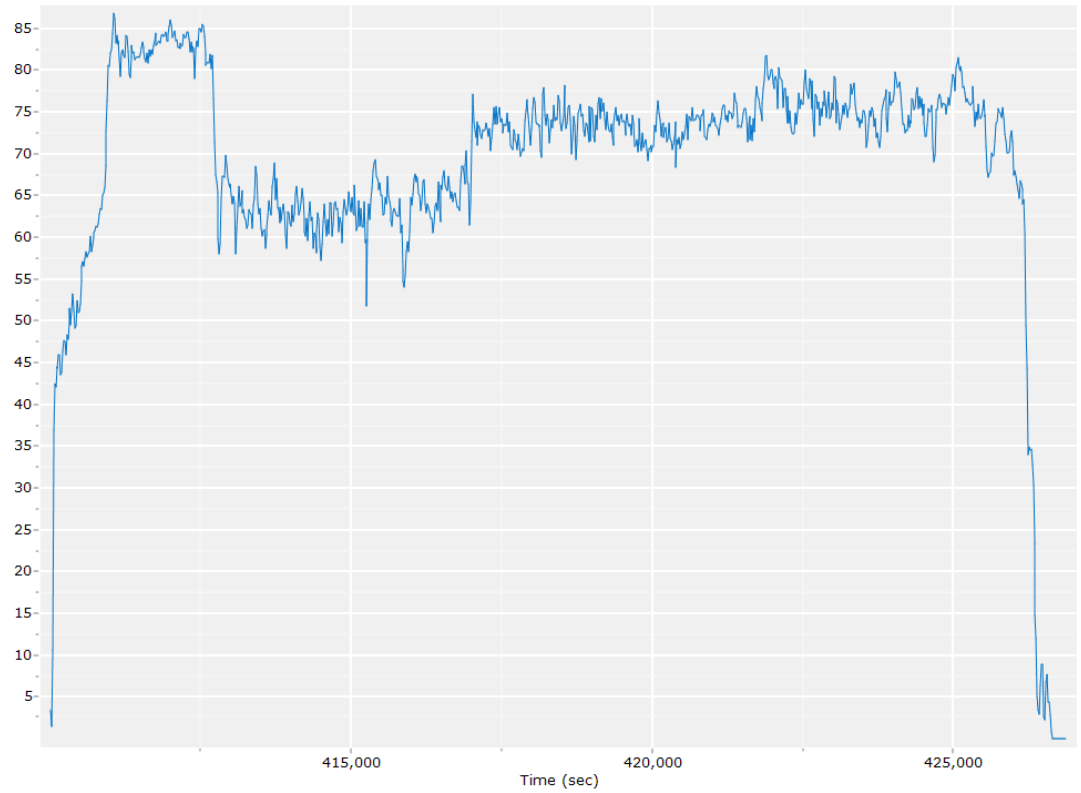
North/East Velocity



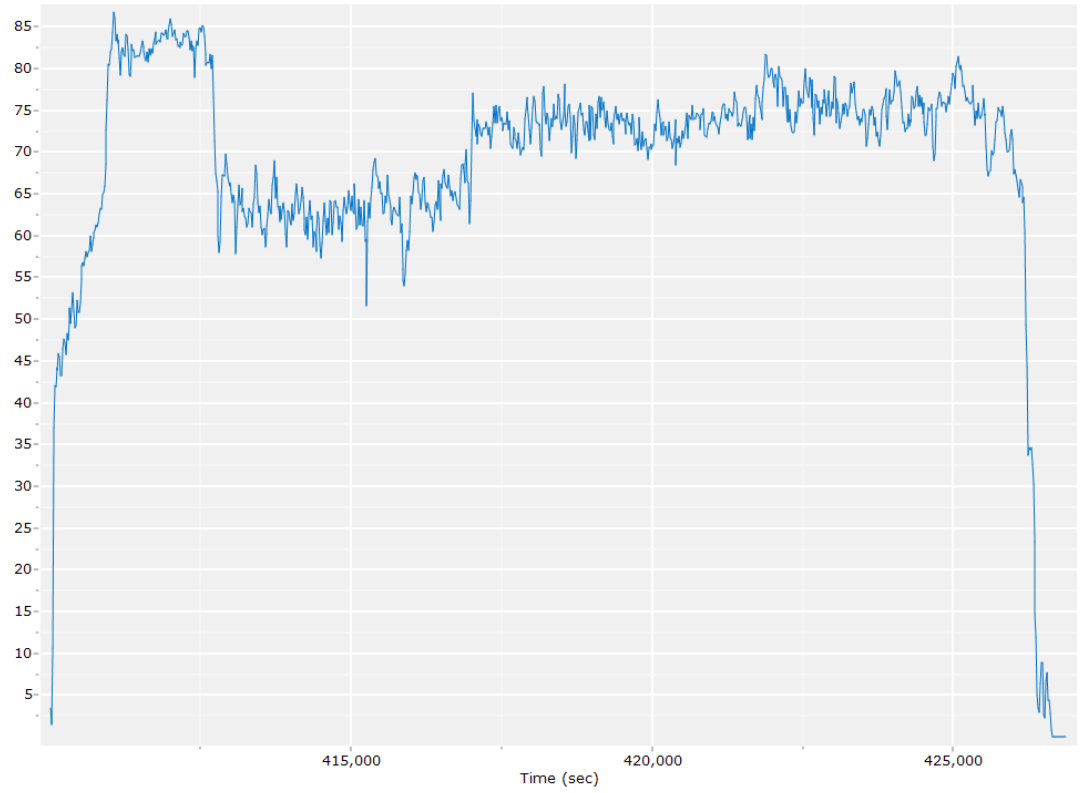
Down Velocity



Total Speed



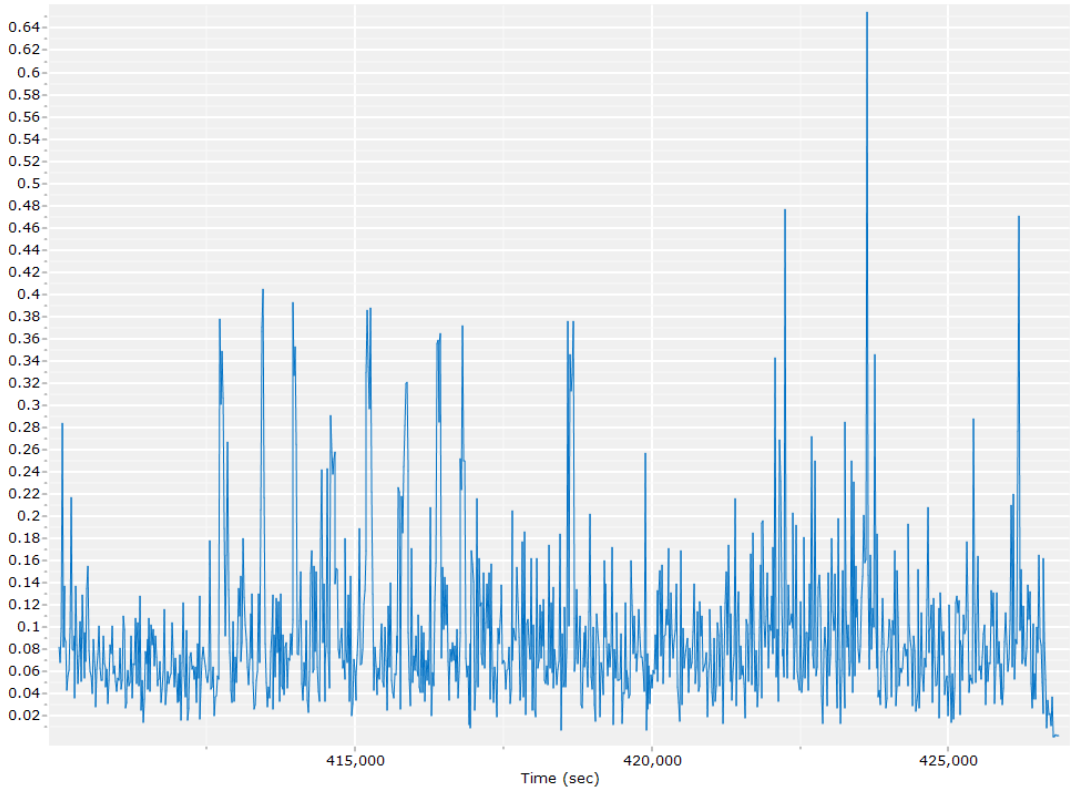
Ground Speed



Body Acceleration



Total Body Acceleration



Body Angular Rate

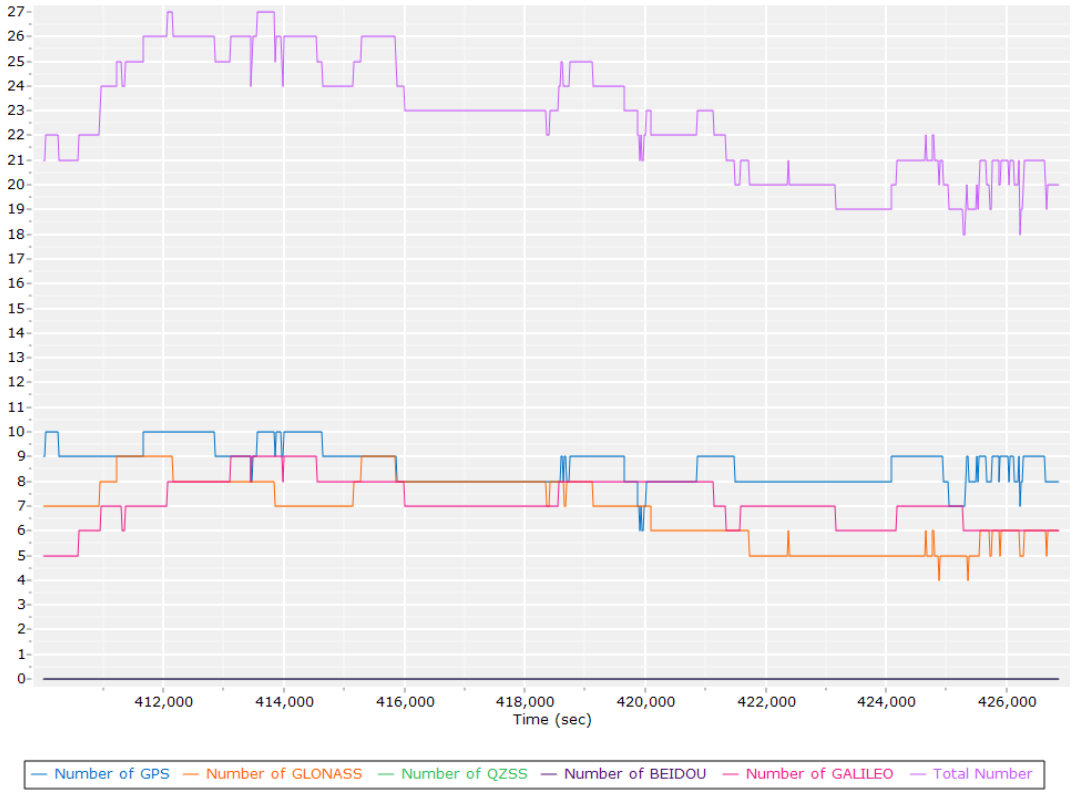


GNSS QC

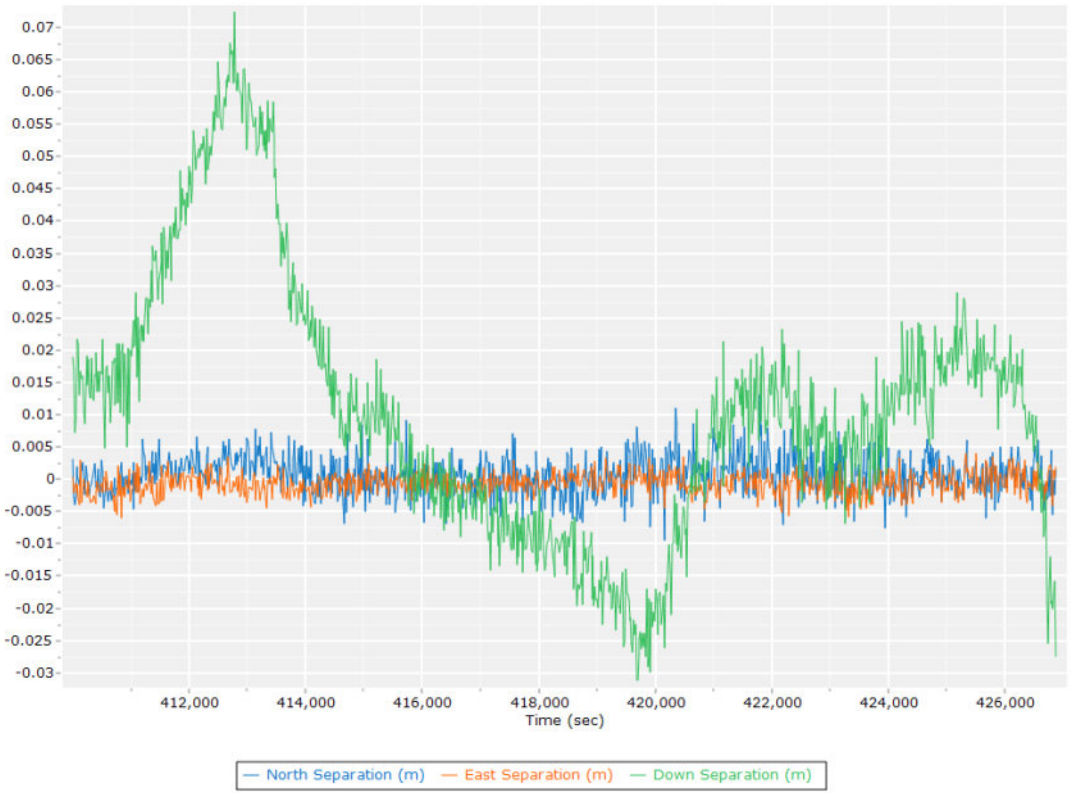
GNSS QC Statistics

Statistics	Min	Max	Mean
Number of GPS SV	6	10	9
Number of GLONASS SV	4	9	7
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	5	9	7
Total number of SV	18	27	23
PDOP	0.92	1.40	1.09
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	17392.00	0.00	0.00
Percentage	100.00	0.00	0.00

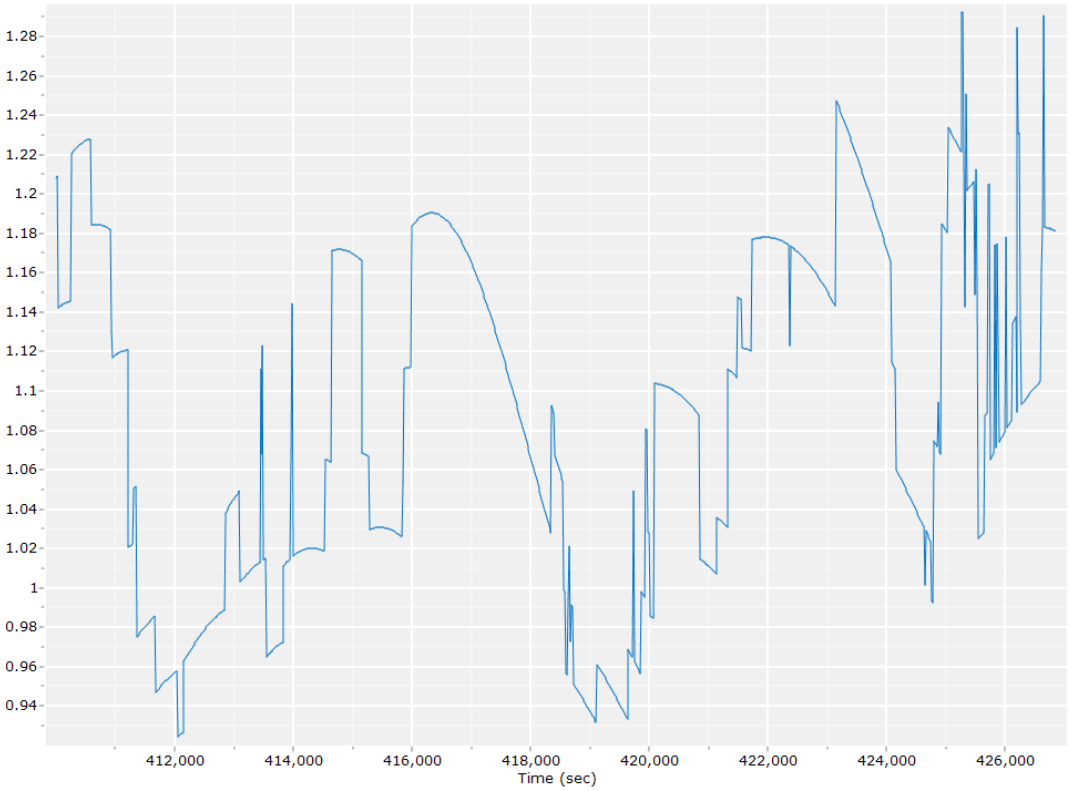
Num SVs in solution



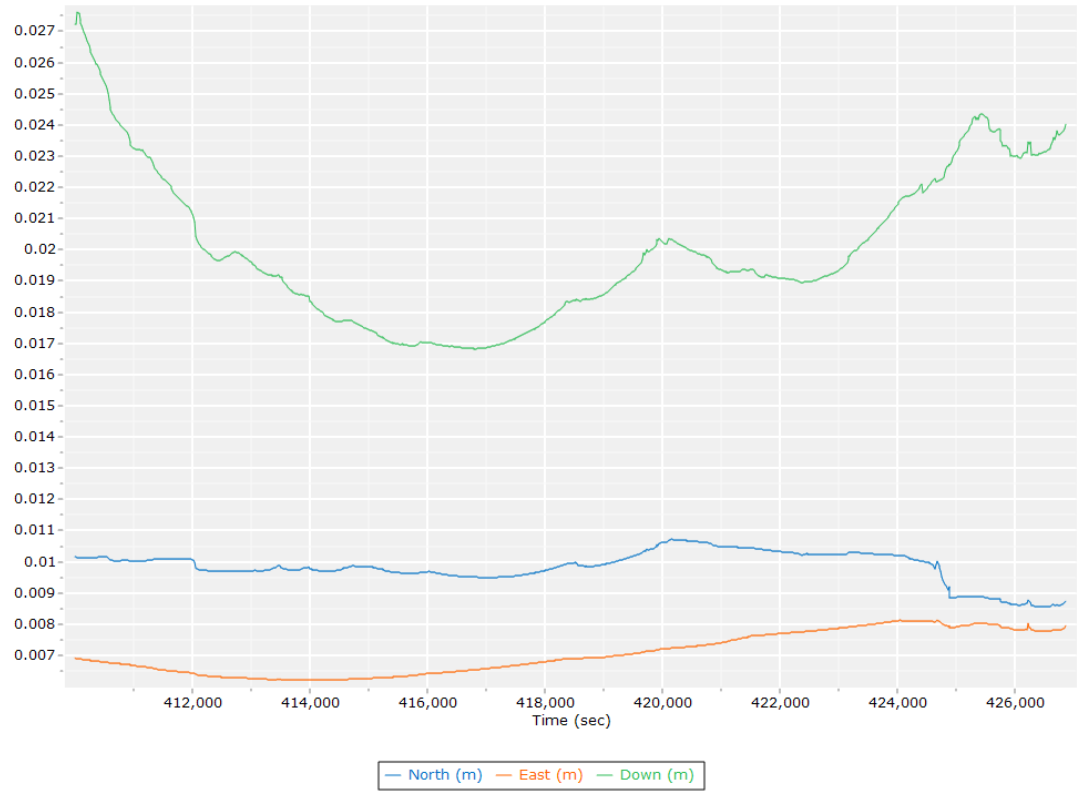
Forward/Reverse Separation



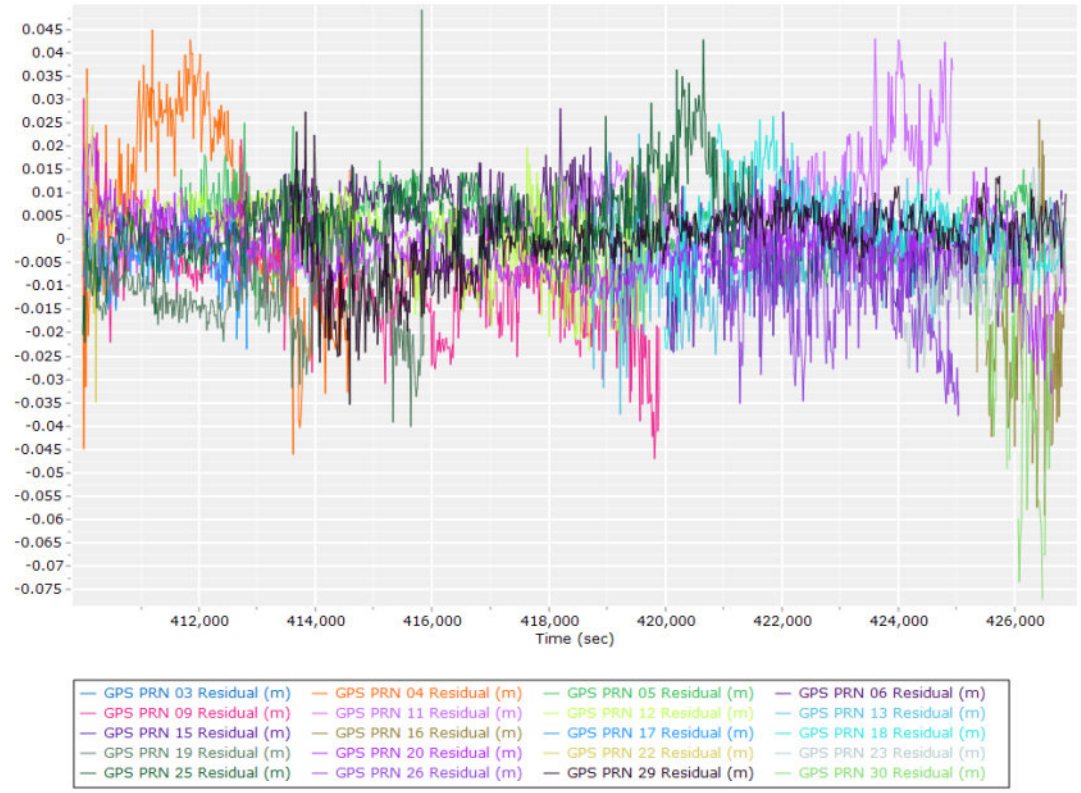
PDOP



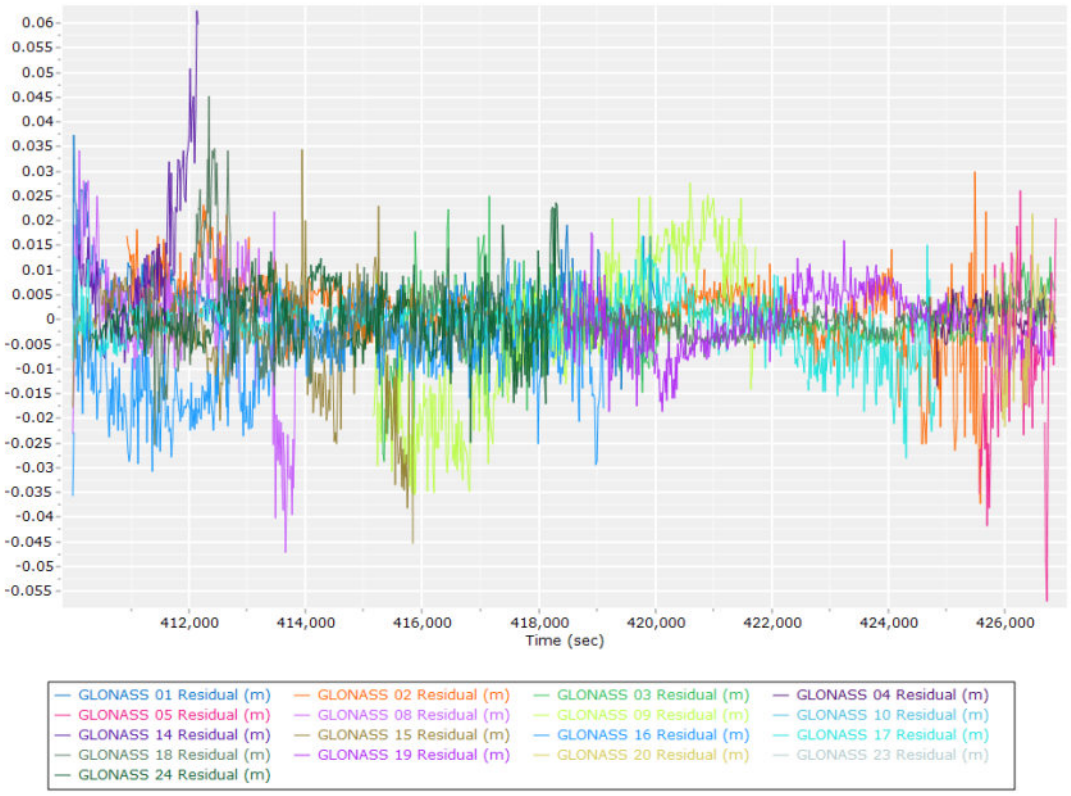
Estimated Position Accuracy



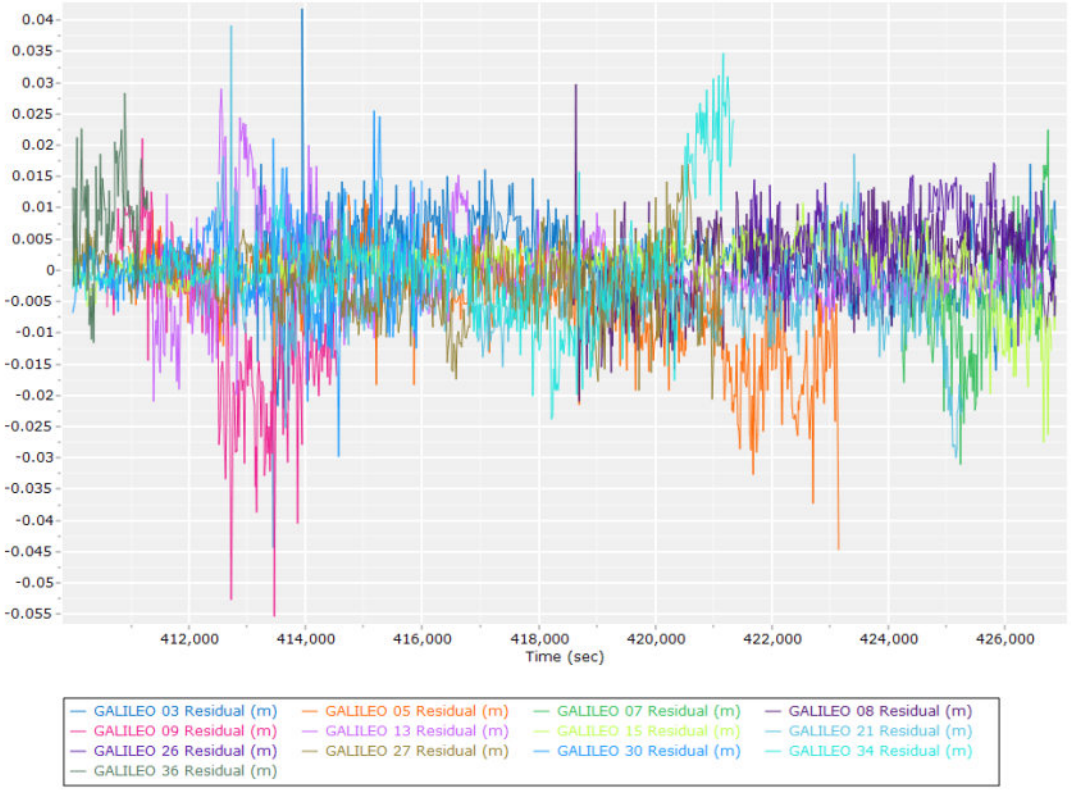
GPS Residuals



GLONASS Residuals



GALILEO Residuals



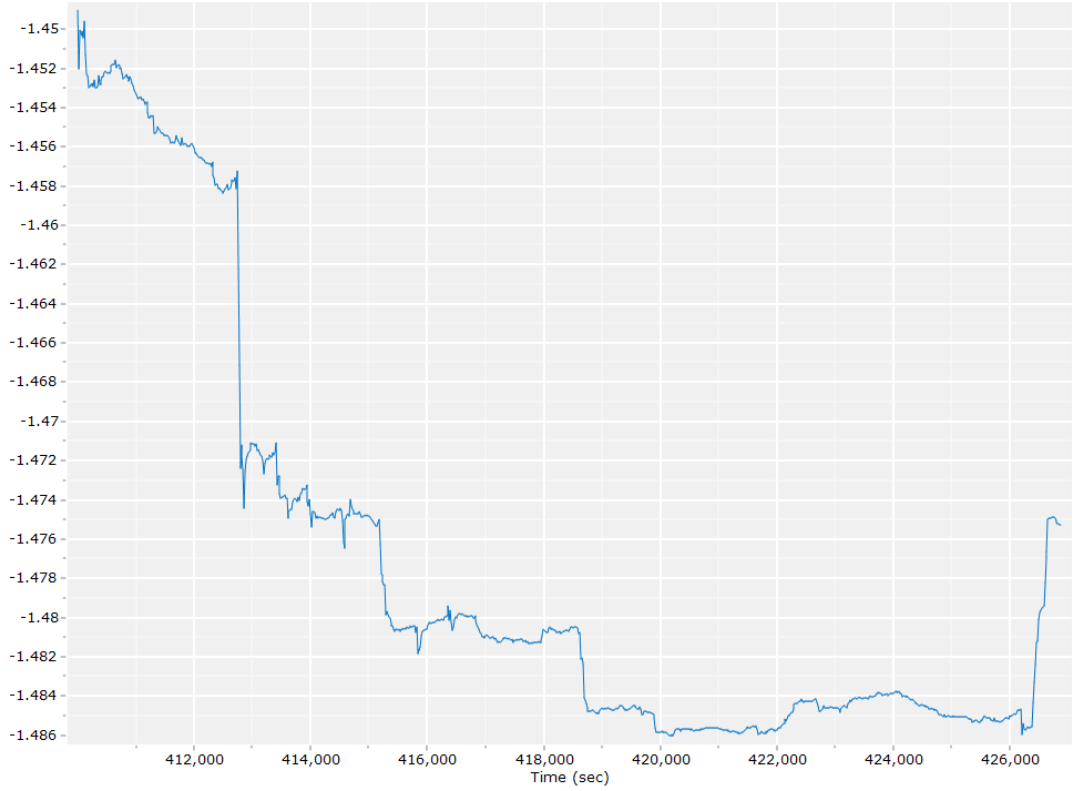
GNSS-Inertial Processor Configuration

Processing mode	IN-Fusion PP-RTX		
Stabilized mount	False		
Processing start time	409944.959 (5/16/2024 5:52:06 PM)		
Processing end time	426882.000 (5/16/2024 10:34:24 PM)		
Initial attitude source	Real-Time VNAV/RNAV Attitude		
IMU Sensor Context	Processing with Onboard IMU		
Reference to IMU lever arm (m)	0.000	0.000	0.000
Reference to IMU mounting angles (deg)	0.000	0.000	180.000
Reference to Primary GNSS lever arm (m)	-1.453	-0.485	-1.685
Reference to Primary GNSS lever arm std dev (m)	0.100	0.100	0.100
Aircraft to Reference mounting angles (deg)	0.000	0.000	0.000

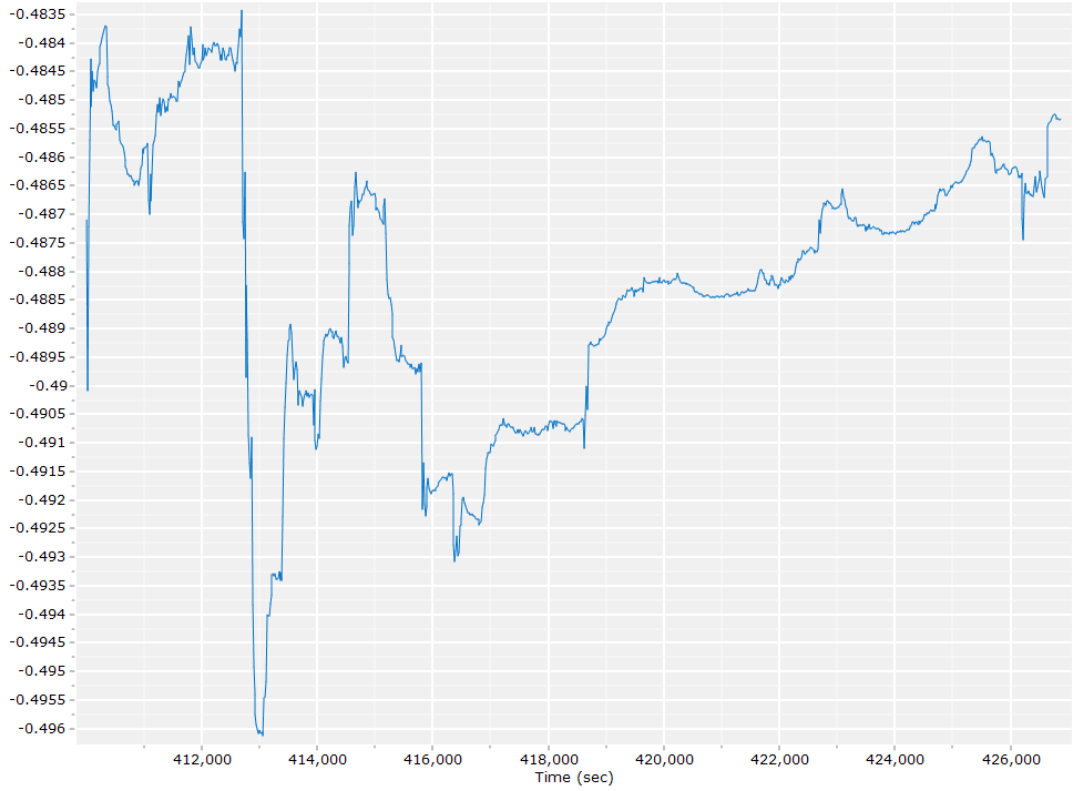
Calibrated Installation Parameters

Reference-Primary GNSS Lever Arm (m)

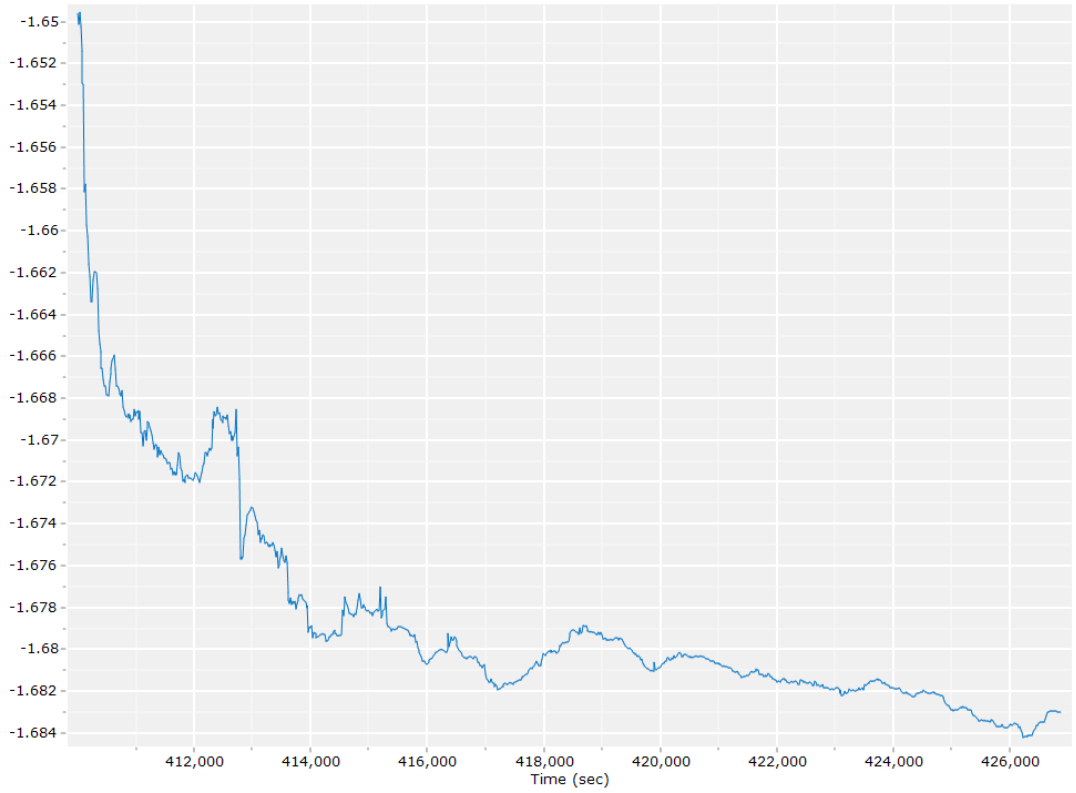
X Reference-Primary GNSS Lever Arm (m)



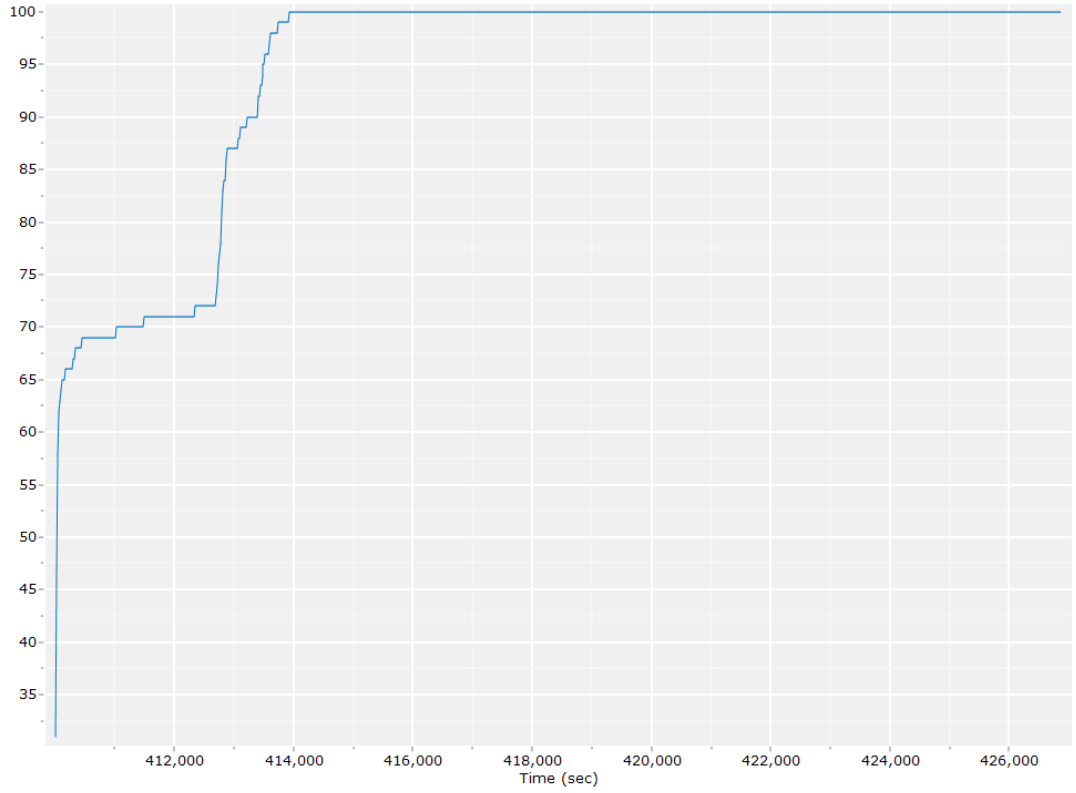
Y Reference-Primary GNSS Lever Arm (m)



Z Reference-Primary GNSS Lever Arm (m)



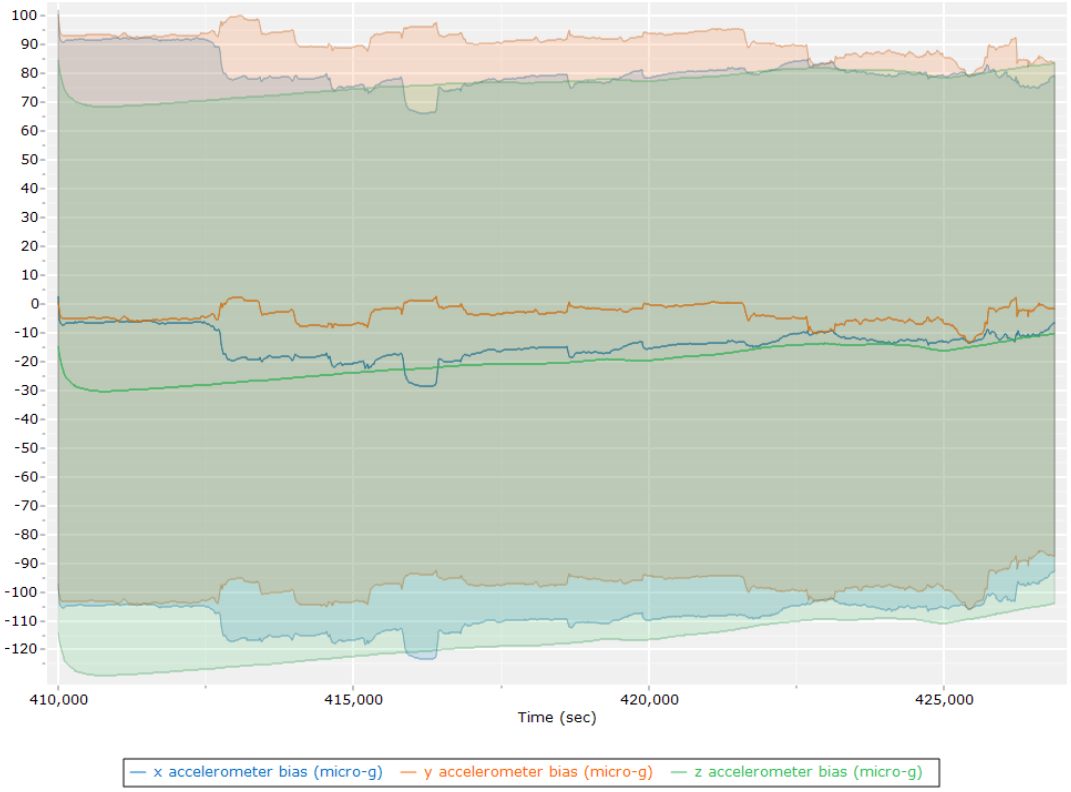
Reference-Primary GNSS Lever Arm Figure of Merit



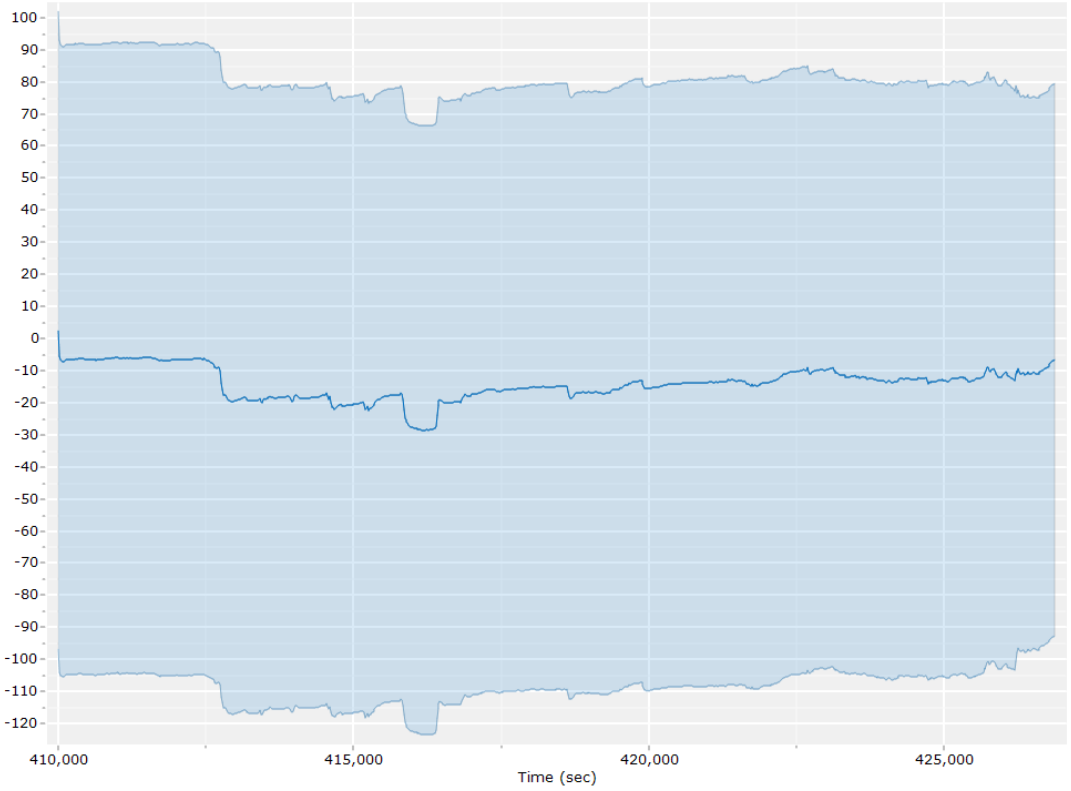
IN-Fusion QC

Forward Processed Estimated Errors, Reference Frame

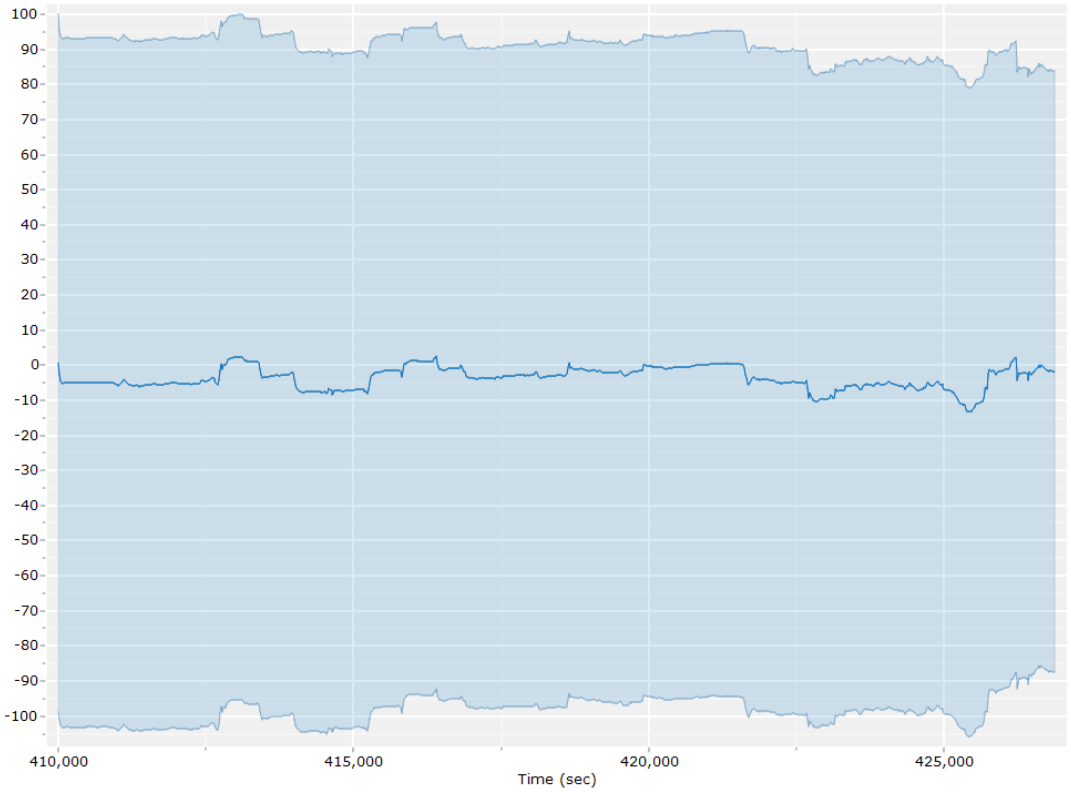
Accelerometer Bias (micro-g)



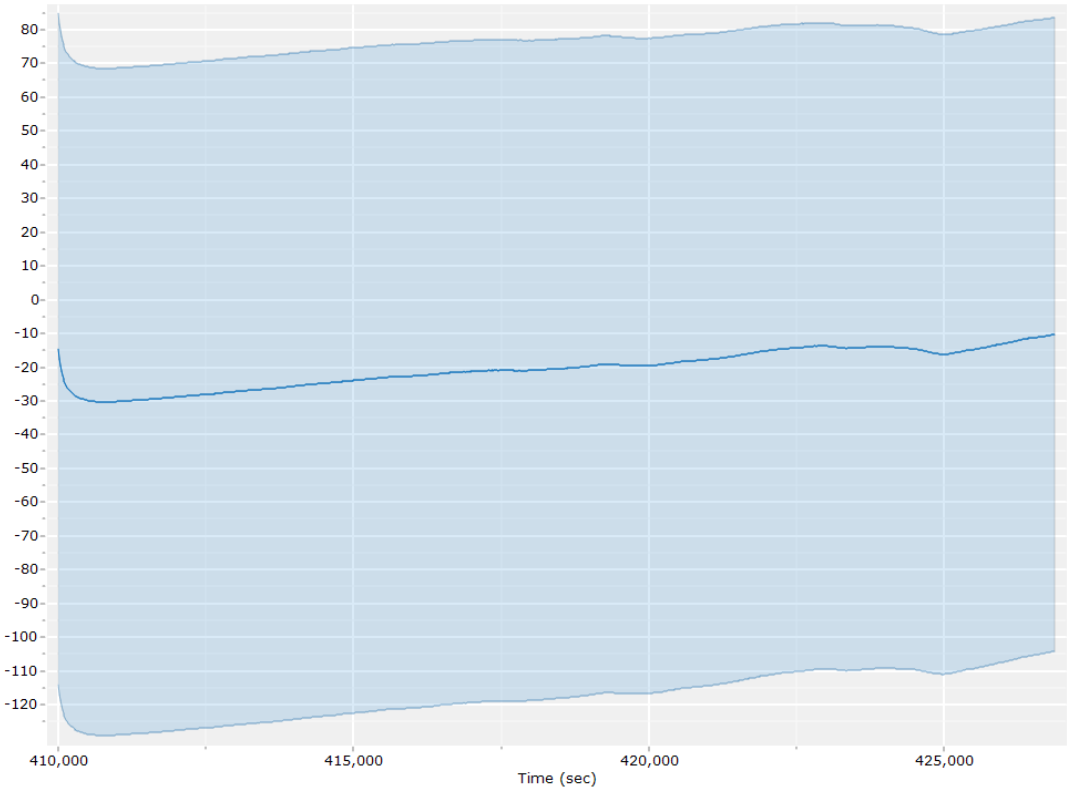
X Accelerometer Bias (micro-g)



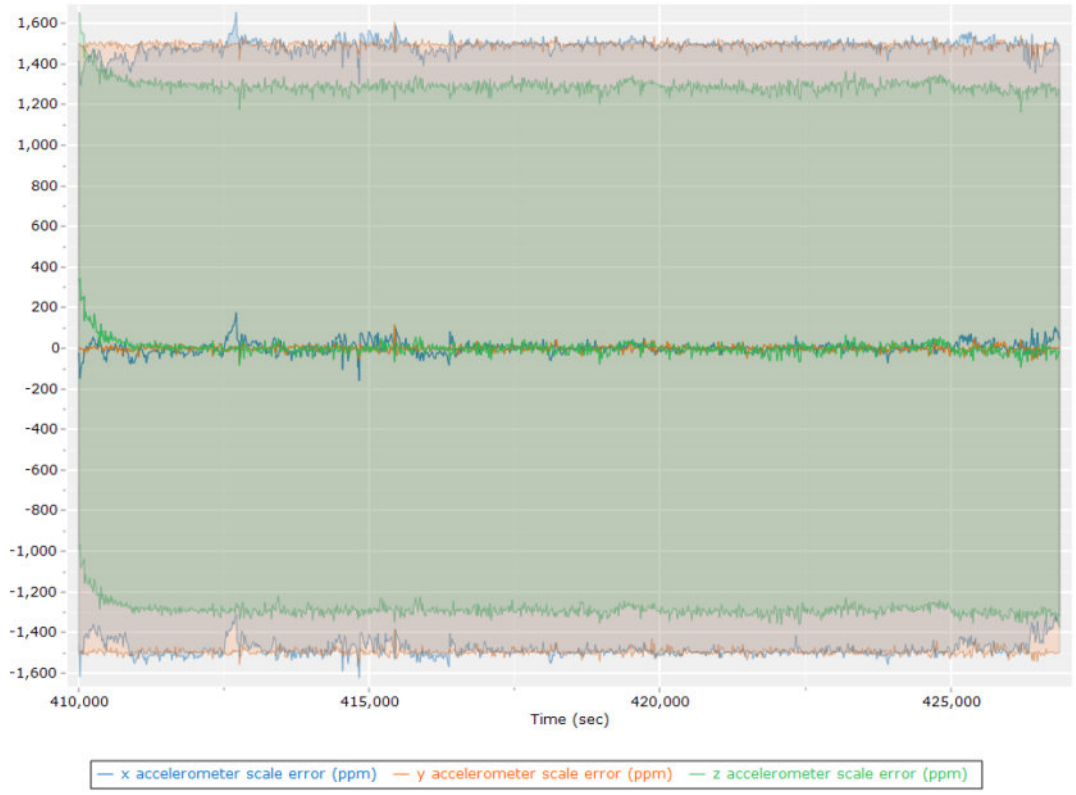
Y Accelerometer Bias (micro-g)



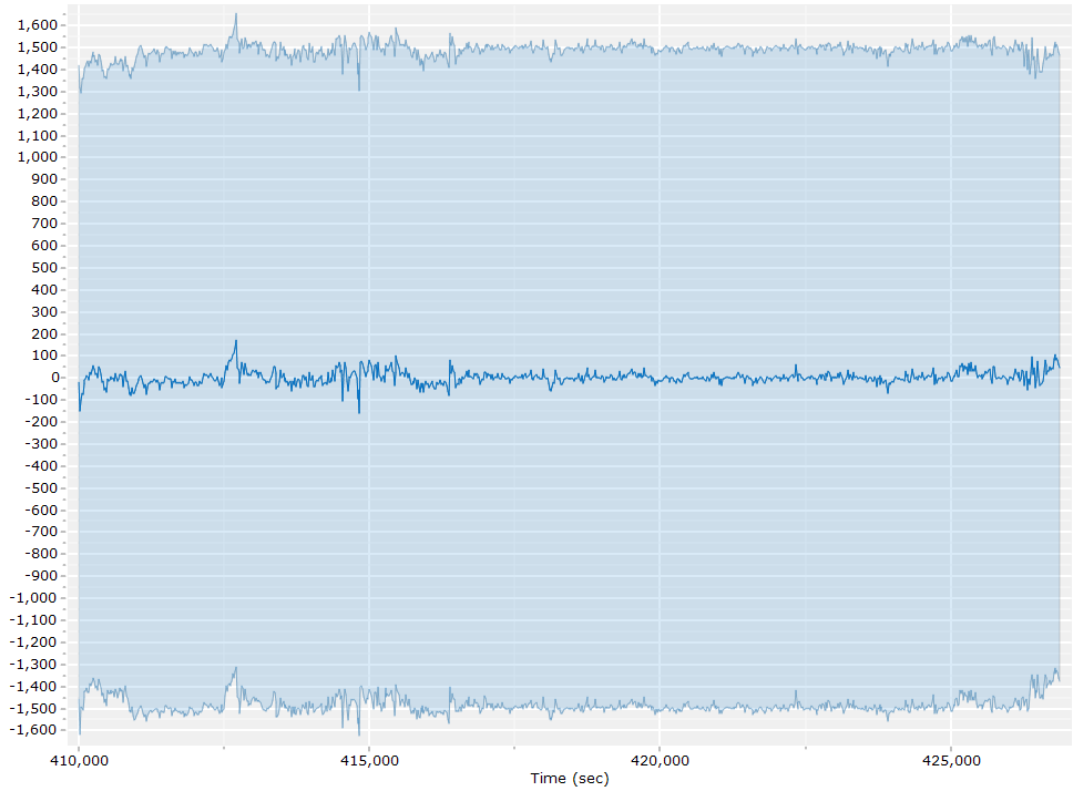
Z Accelerometer Bias (micro-g)



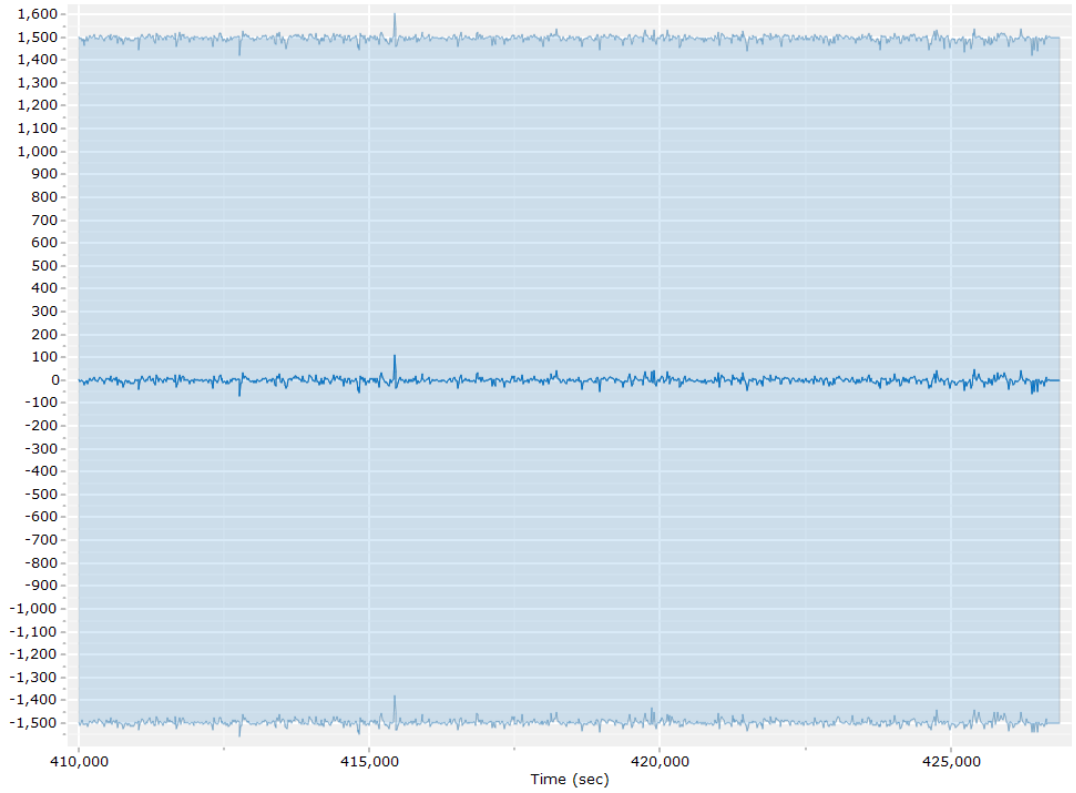
Accelerometer Scale Error (ppm)



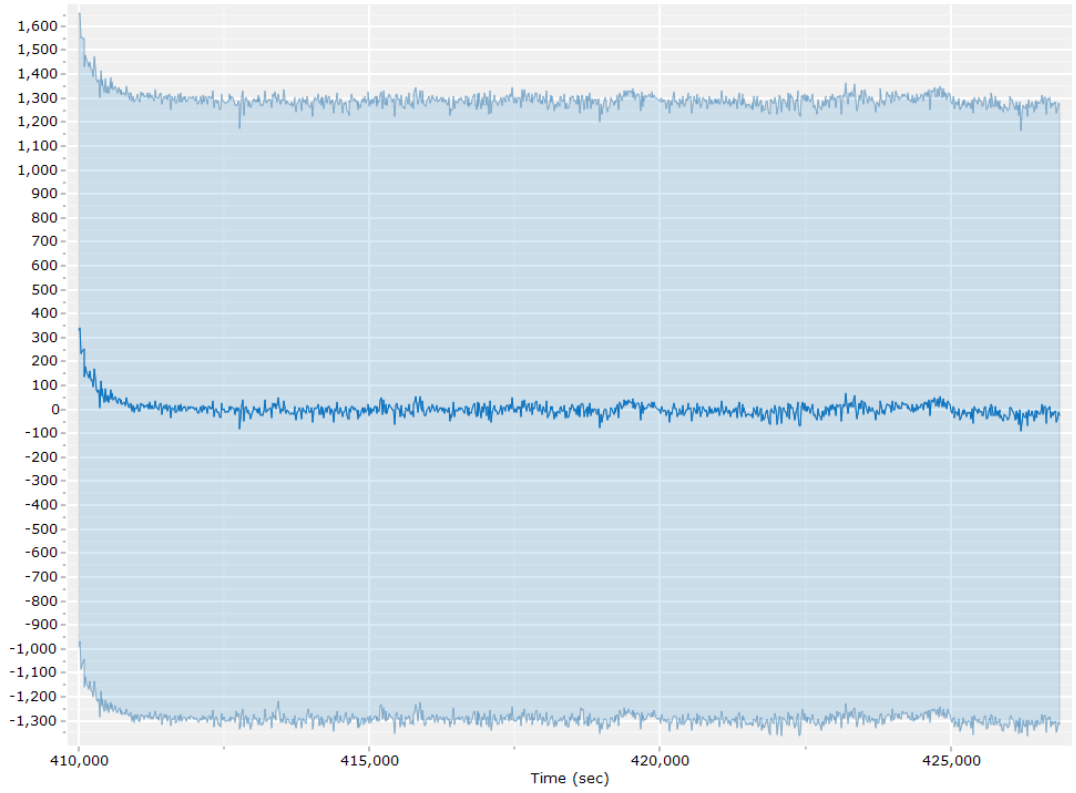
X Accelerometer Scale Error (ppm)



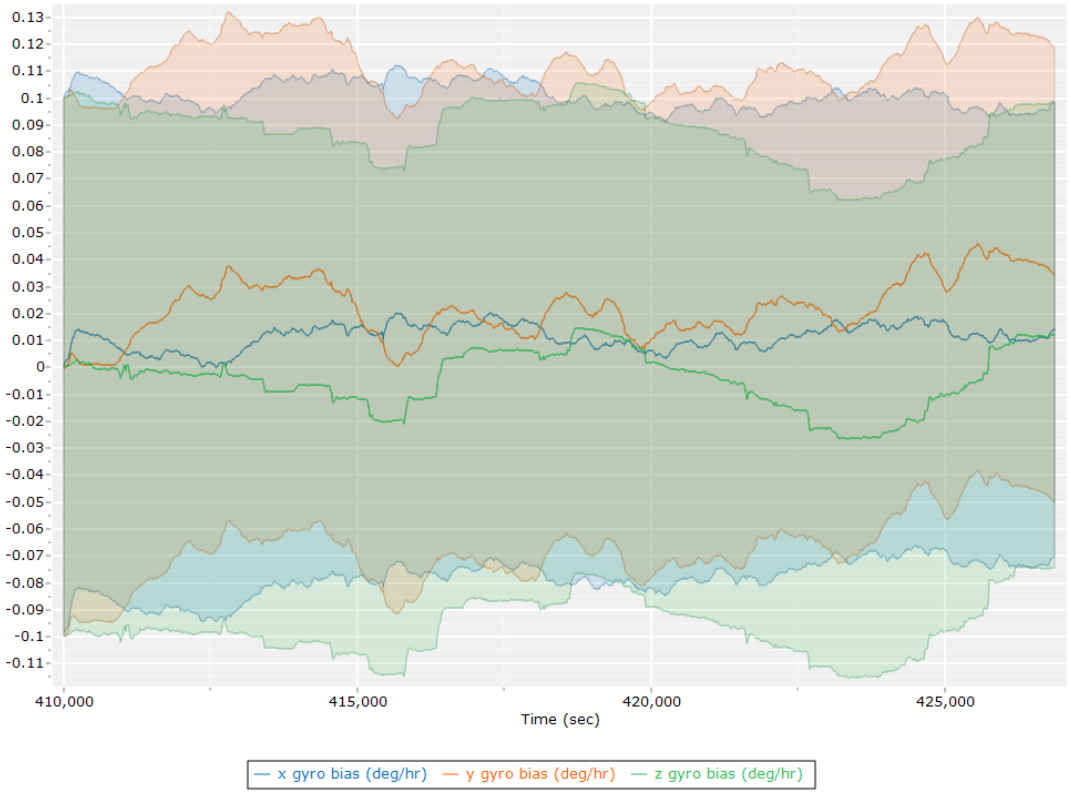
Y Accelerometer Scale Error (ppm)



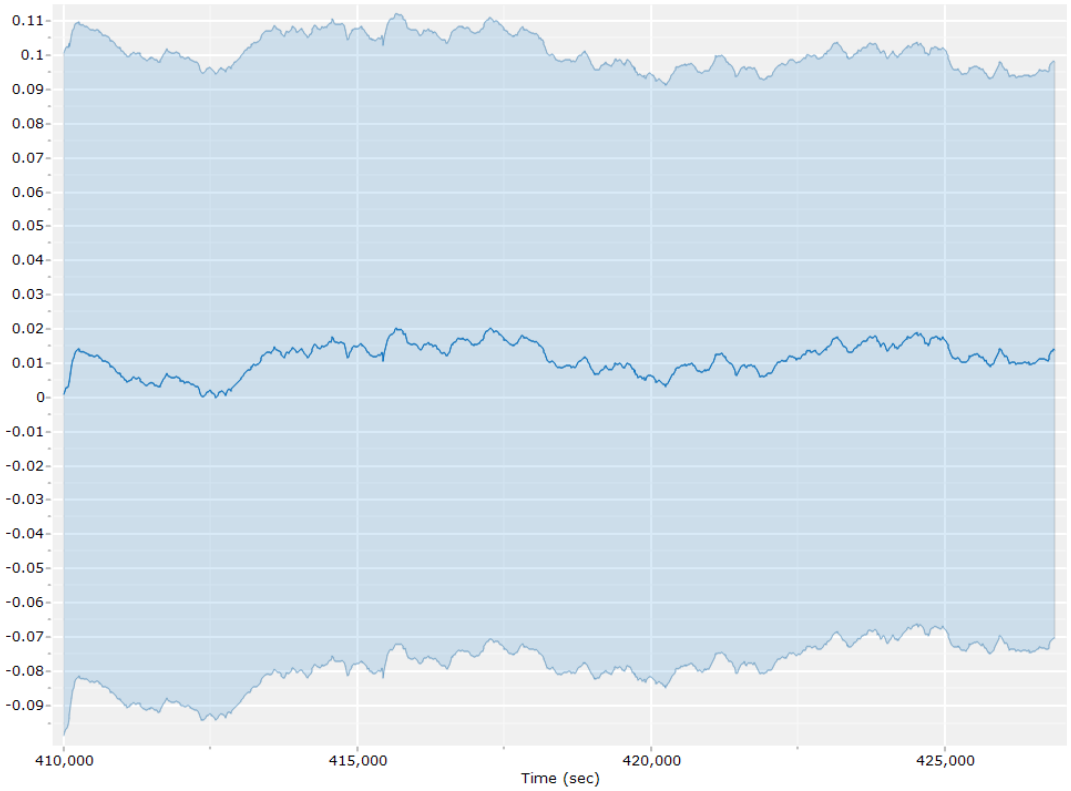
Z Accelerometer Scale Error (ppm)



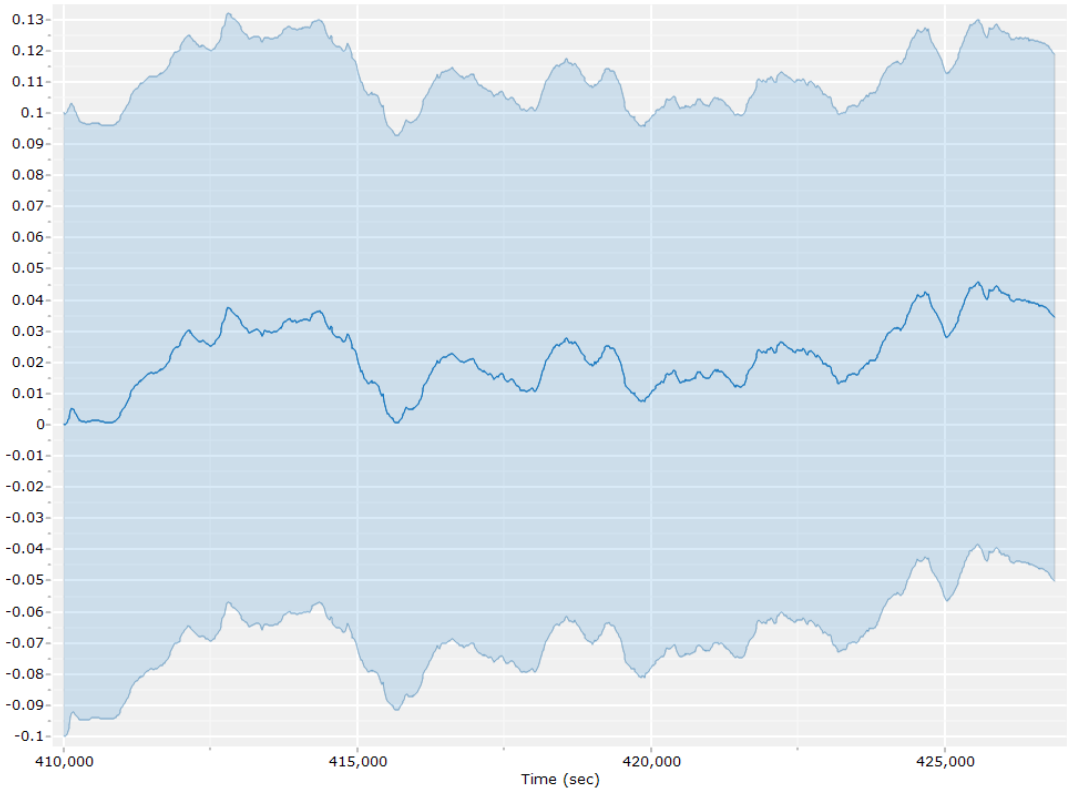
Gyro Bias (deg/h)



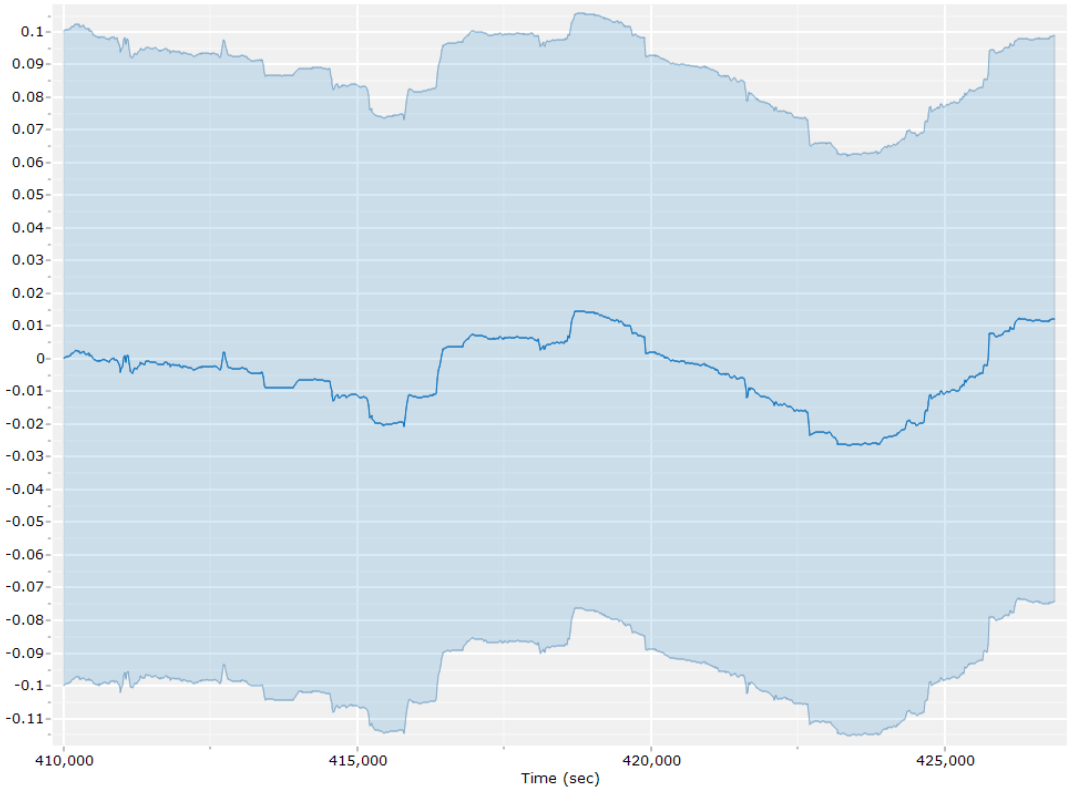
X Gyro Bias (deg/h)



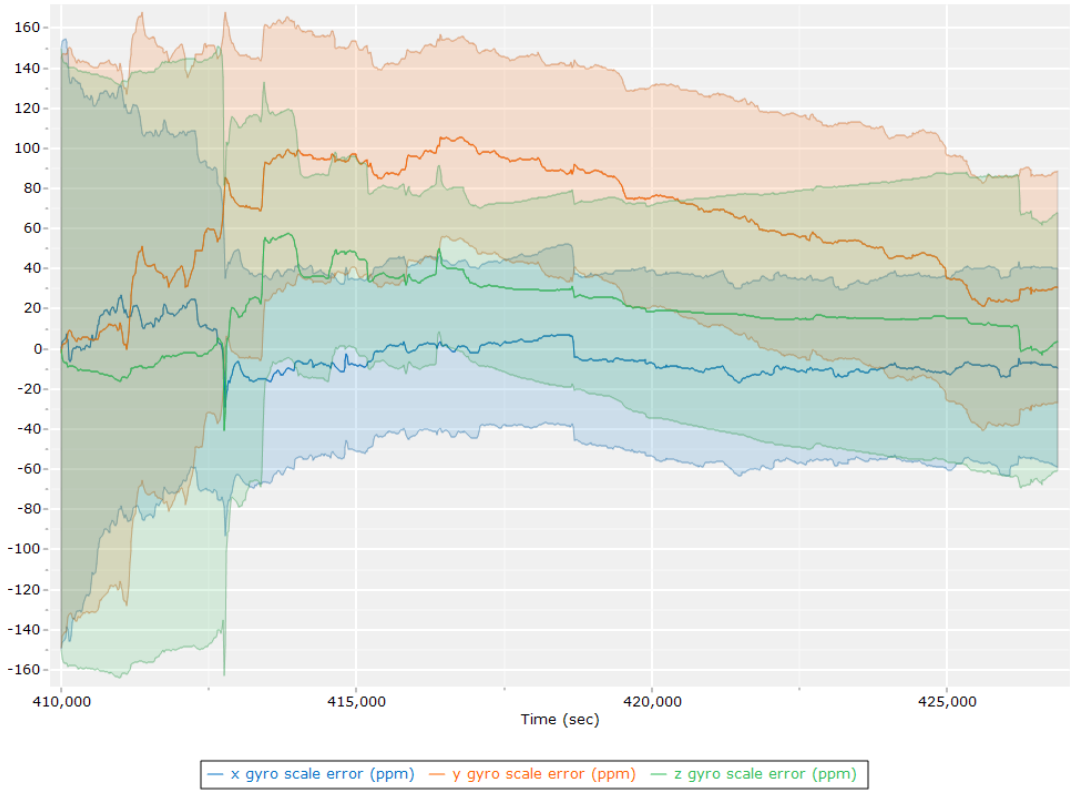
Y Gyro Bias (deg/h)



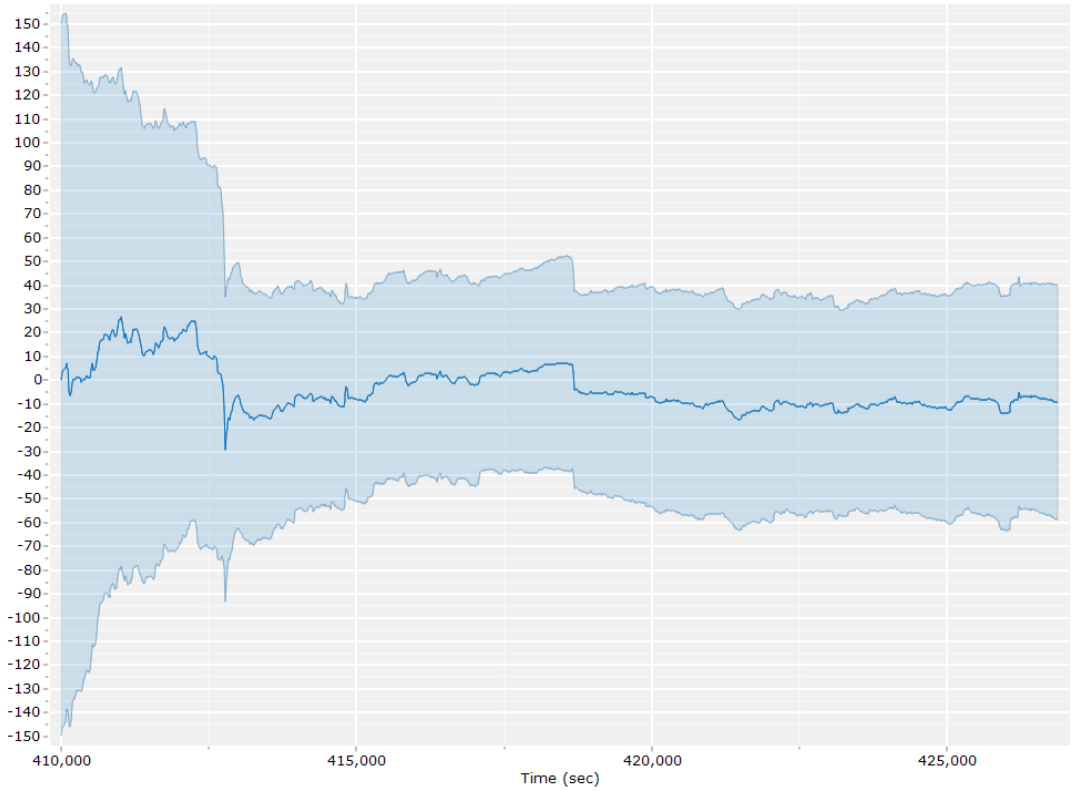
Z Gyro Bias (deg/h)



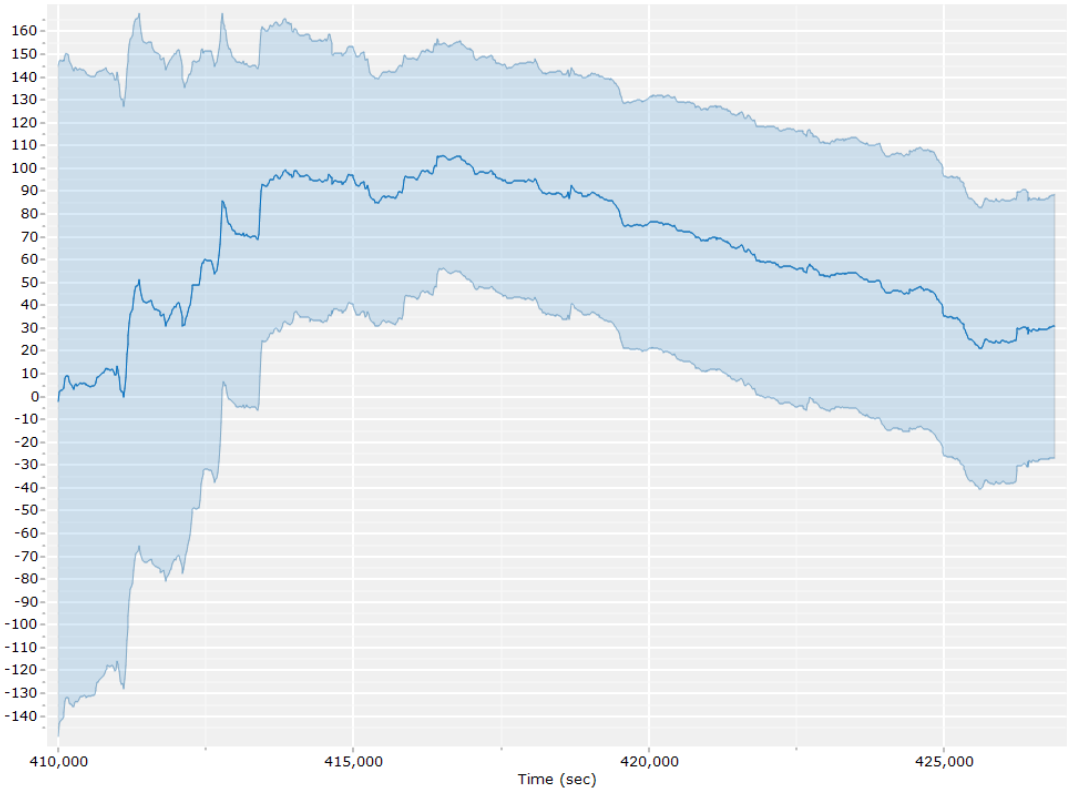
Gyro Scale Error (ppm)



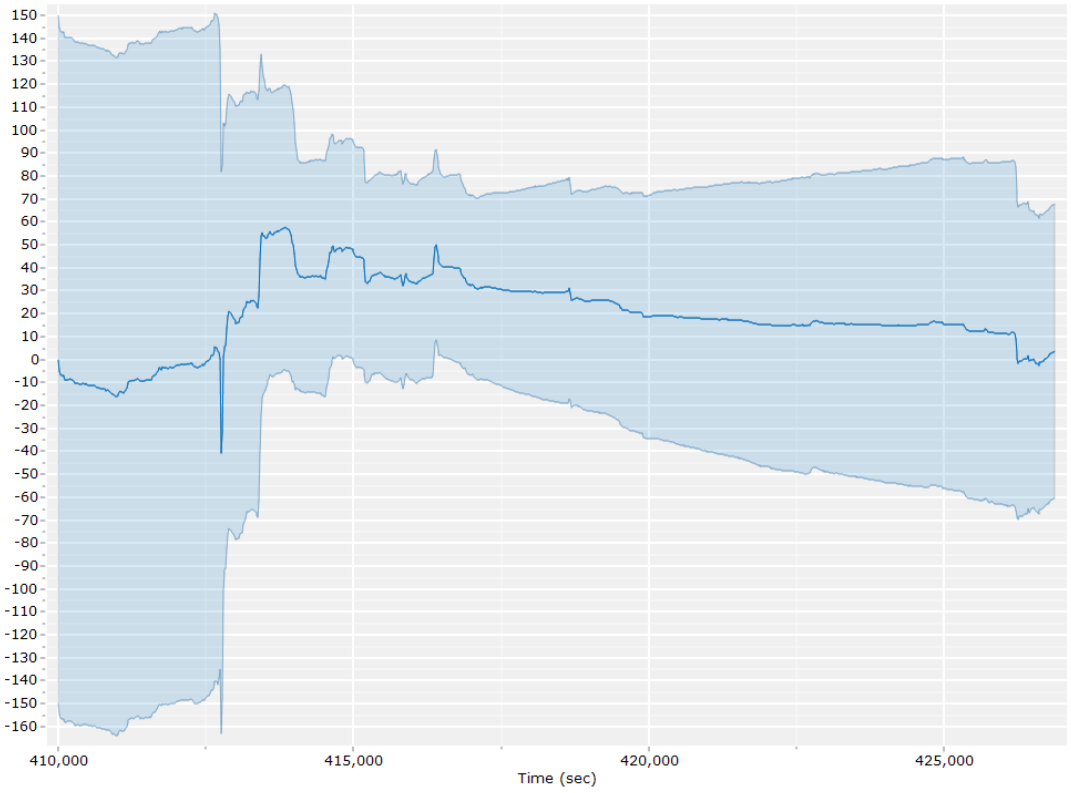
X Gyro Scale Error (ppm)



Y Gyro Scale Error (ppm)

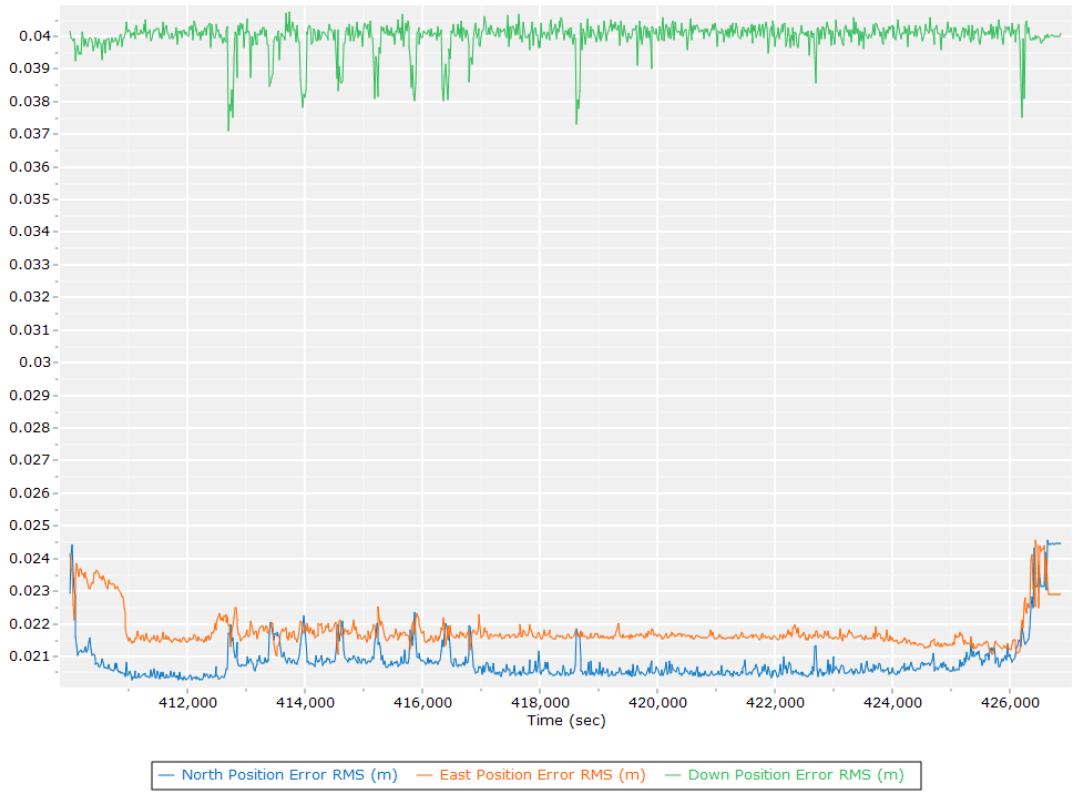


Z Gyro Scale Error (ppm)

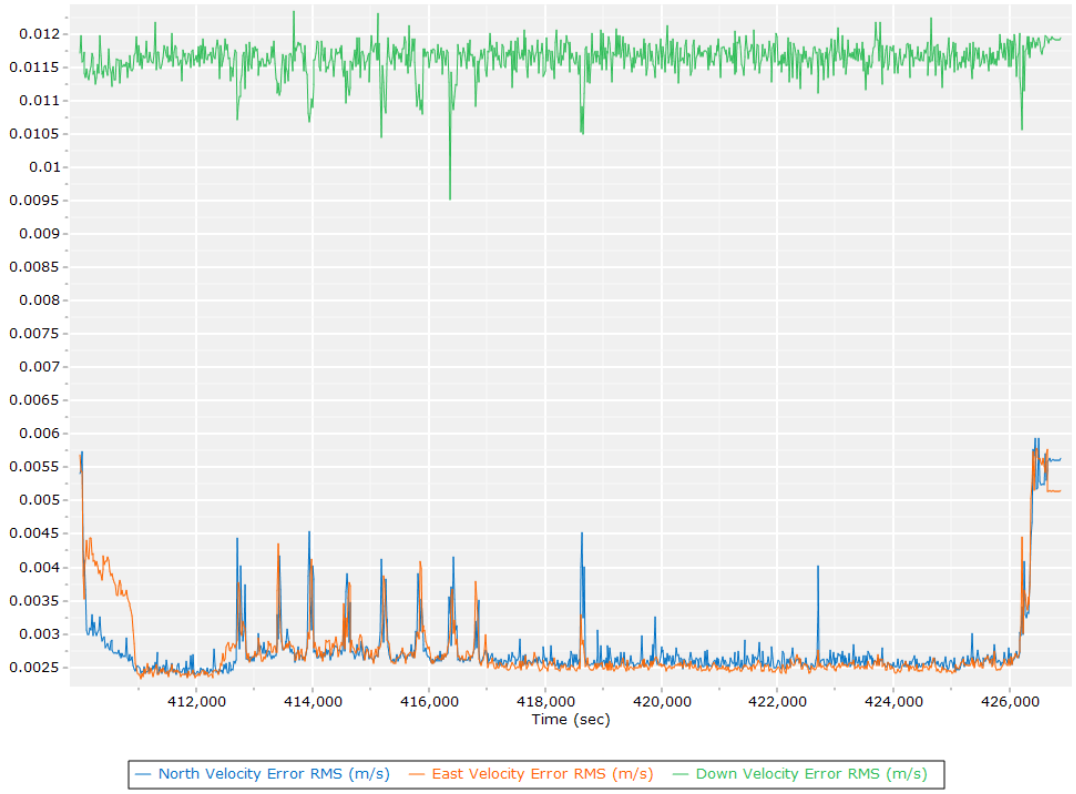


Smoothed Performance Metrics

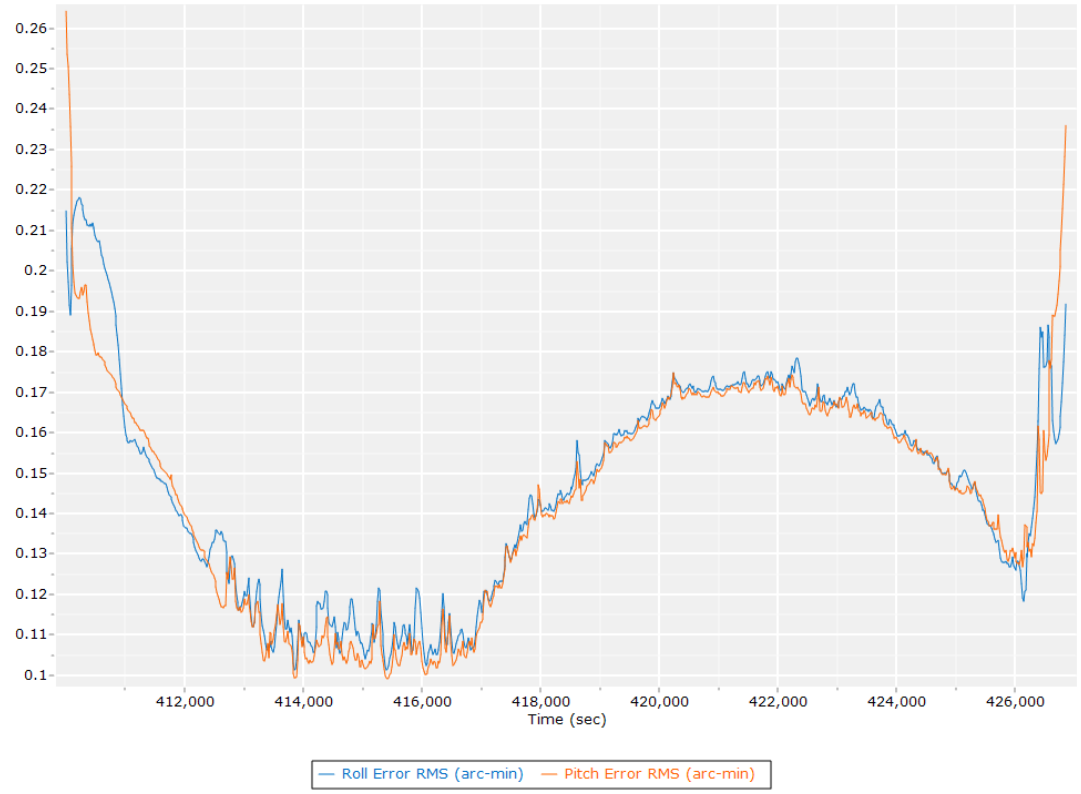
Position Error RMS (m)



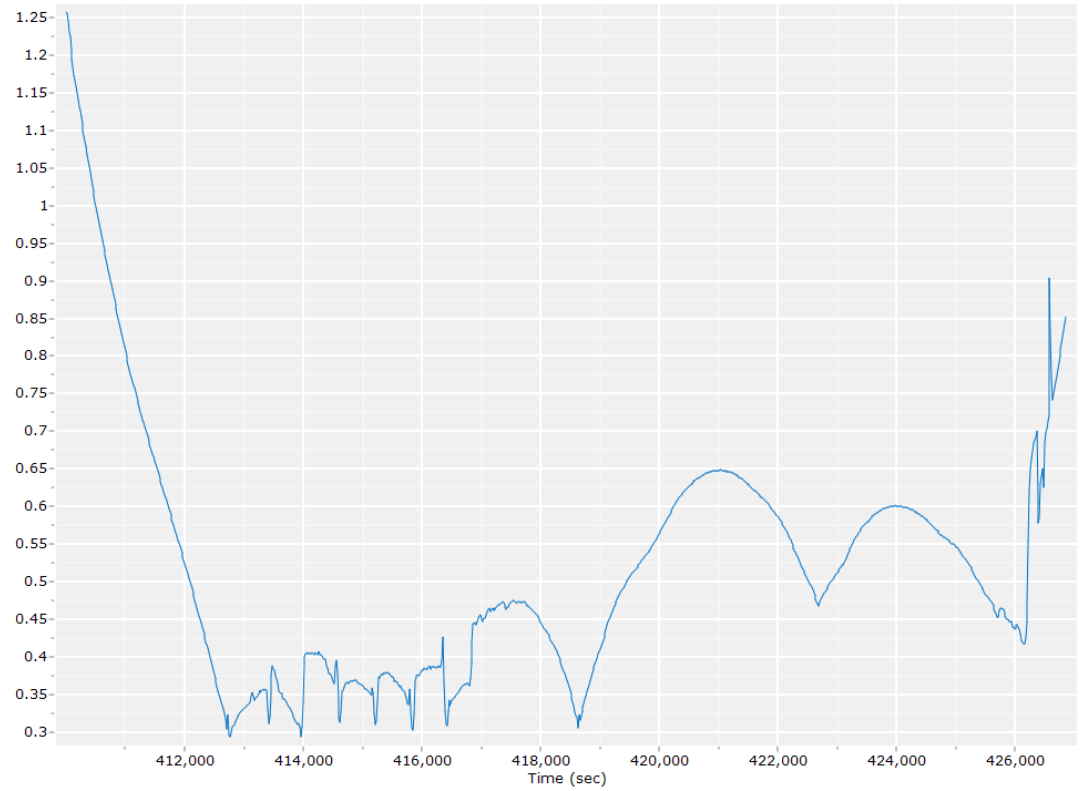
Velocity Error RMS (m/s)



Roll/Pitch Error RMS (arc-min)

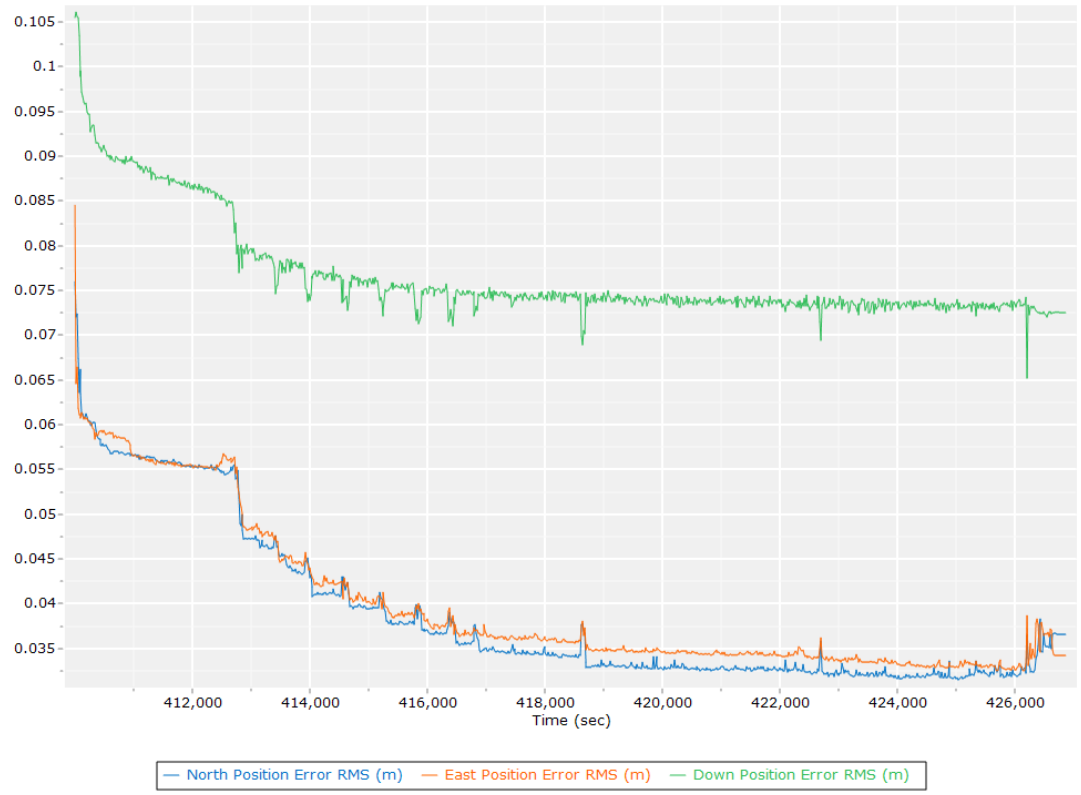


Heading Error RMS (arc-min)

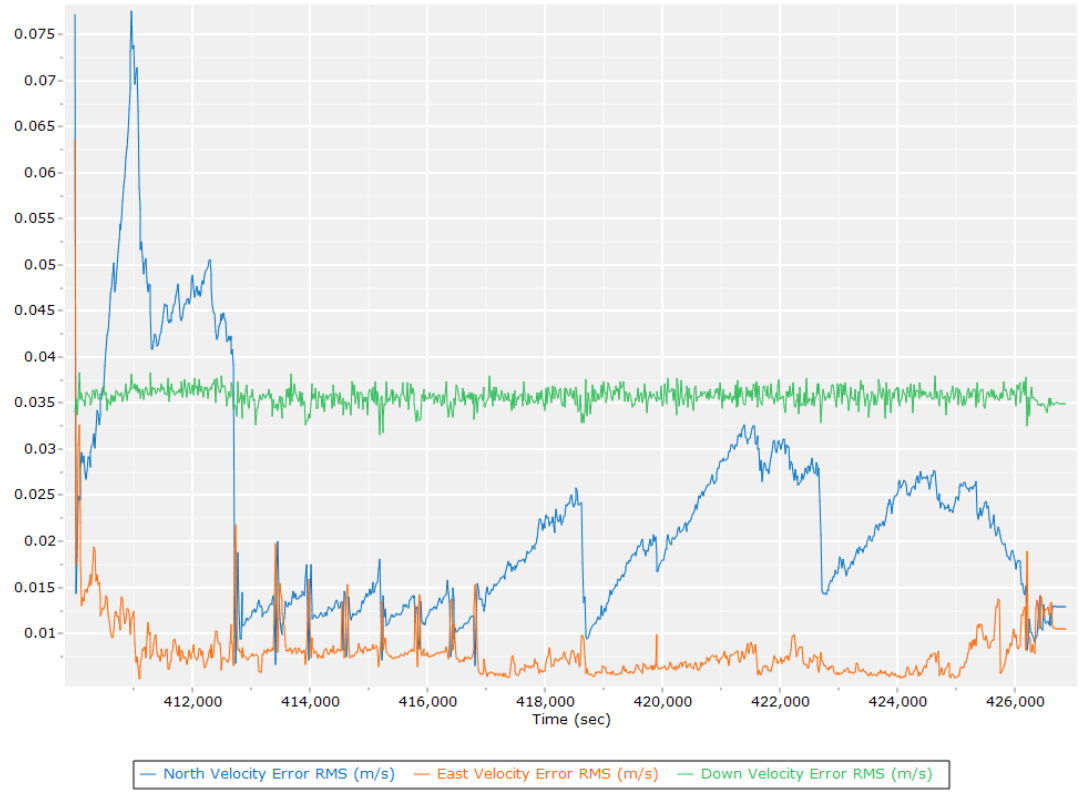


Forward Processed Performance Metrics

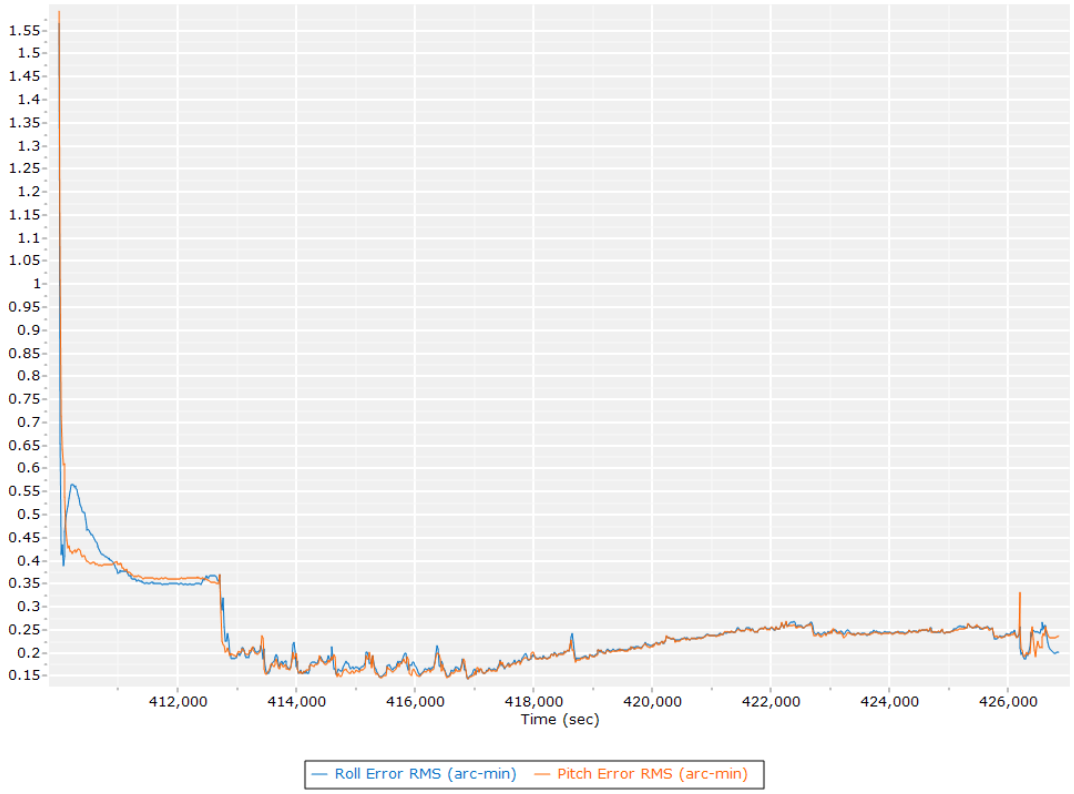
Position Error RMS (m)



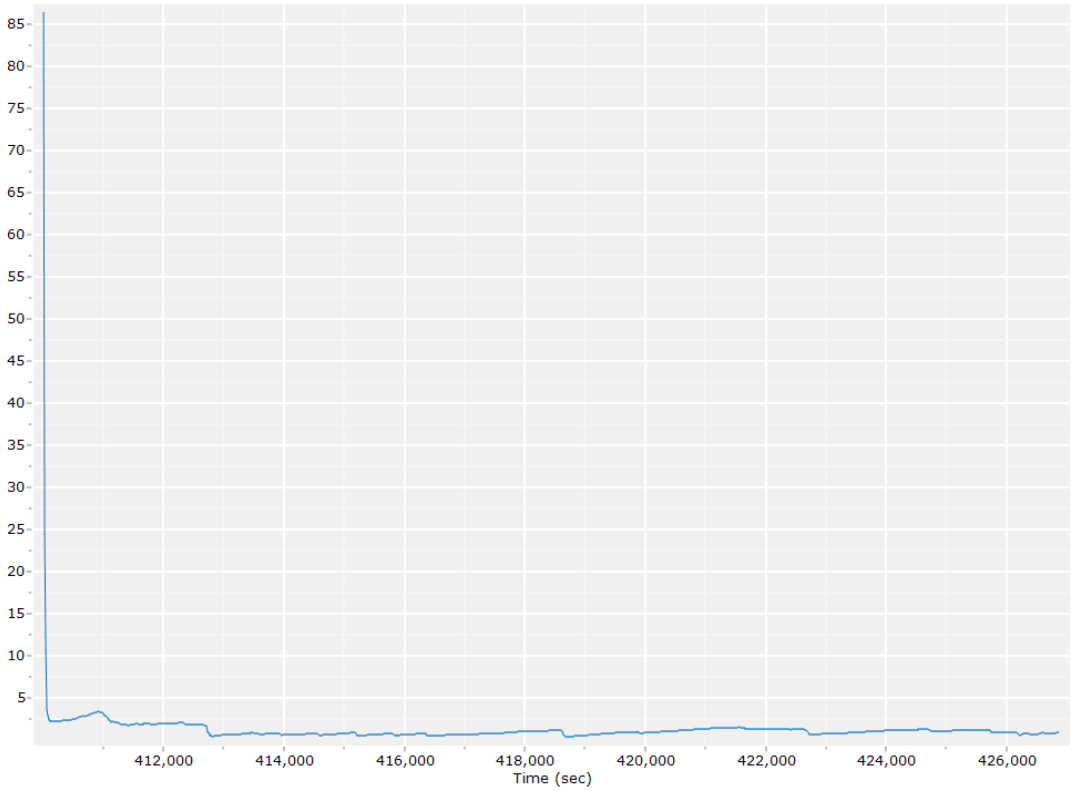
Velocity Error RMS (m/s)



Roll/Pitch Error RMS (arc-min)

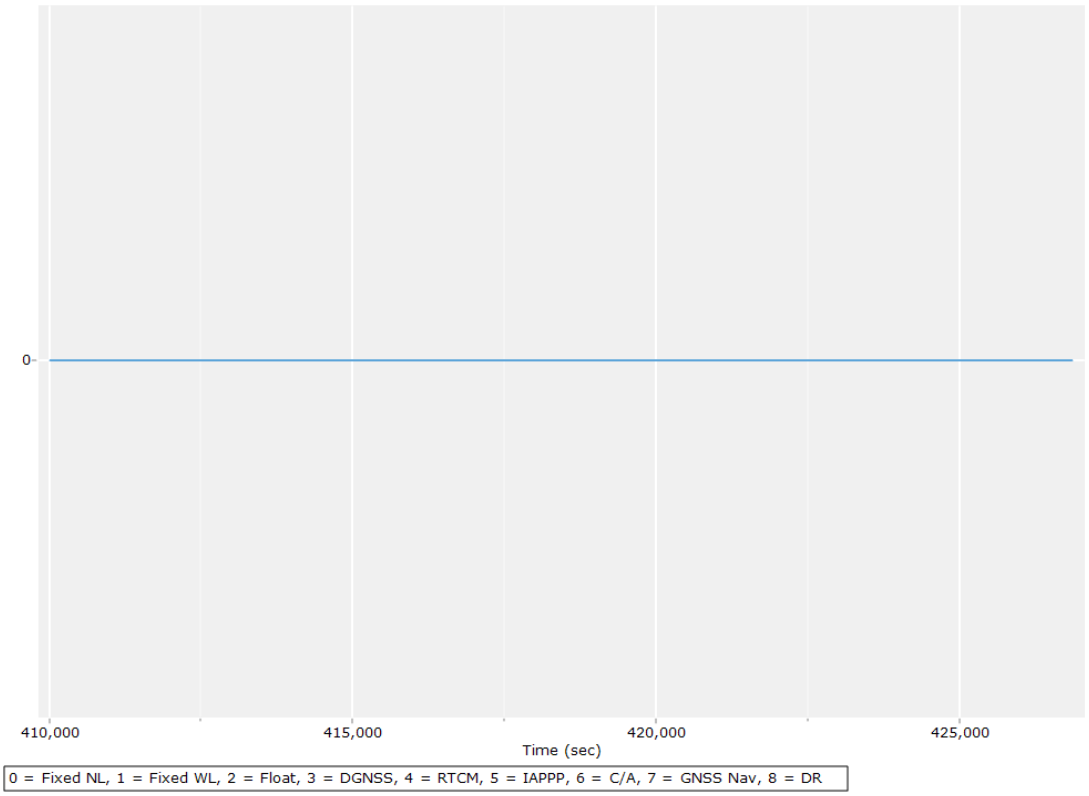


Heading Error RMS (arc-min)

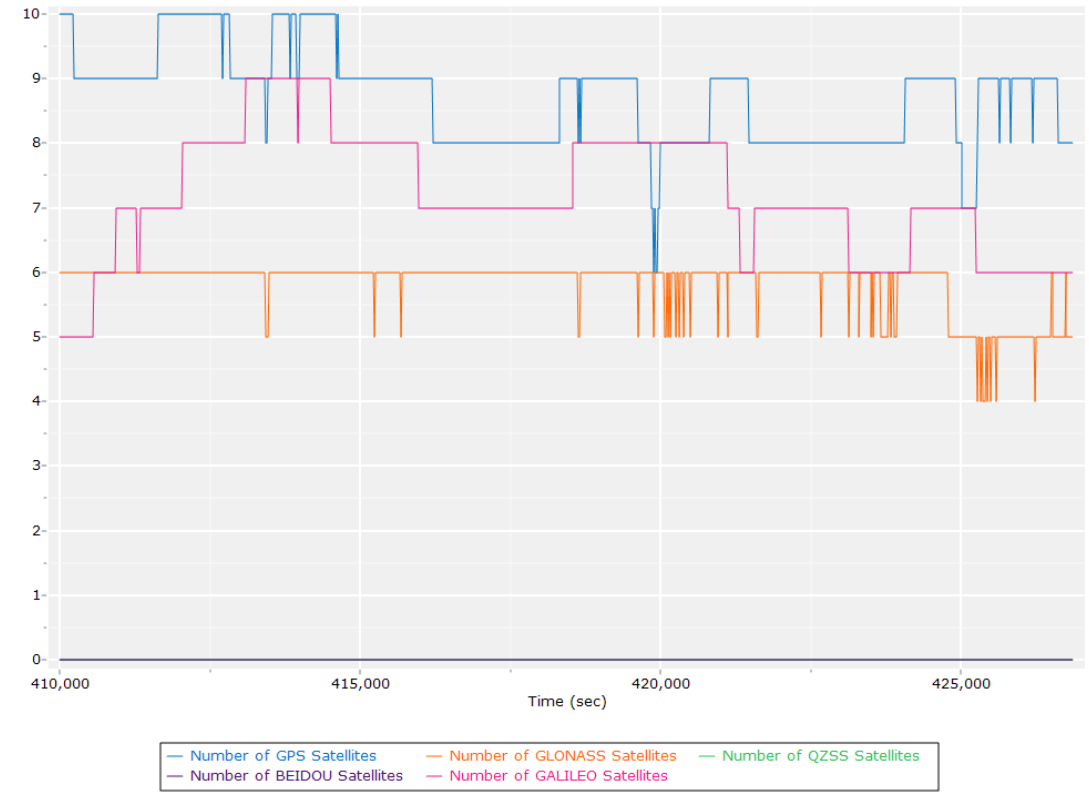


Forward Processed Solution Status

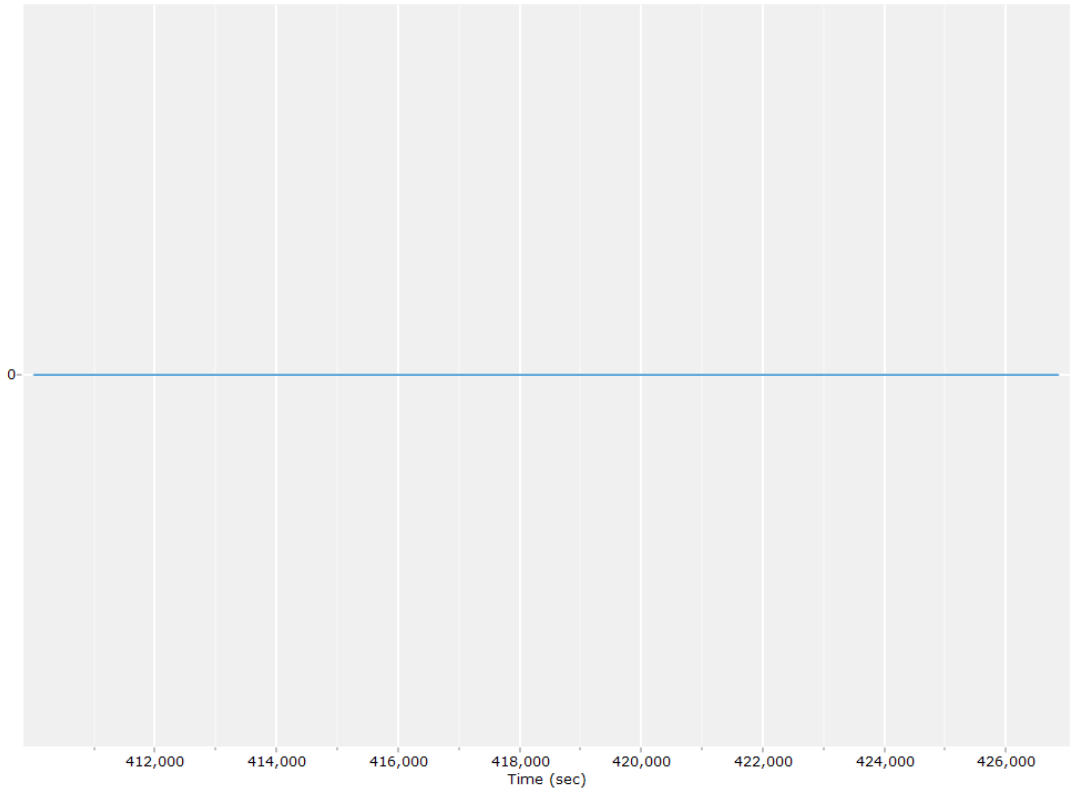
Processing Mode



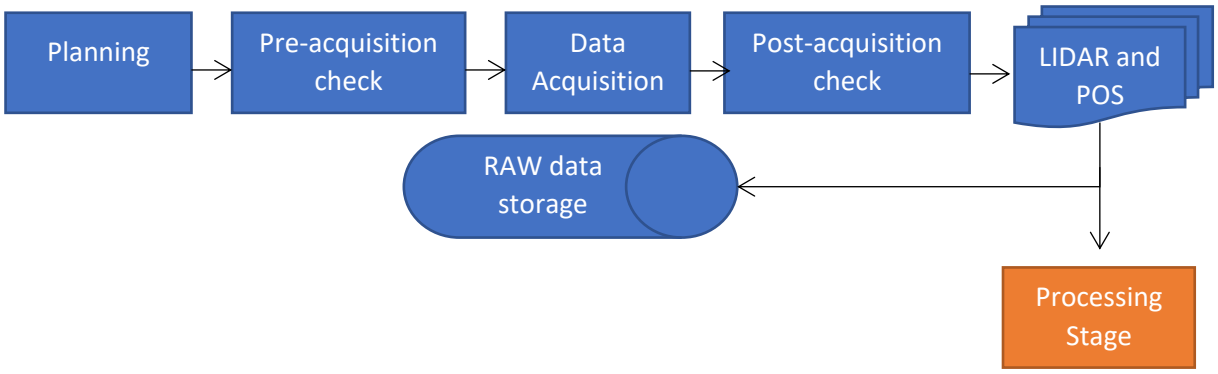
Number of Satellites



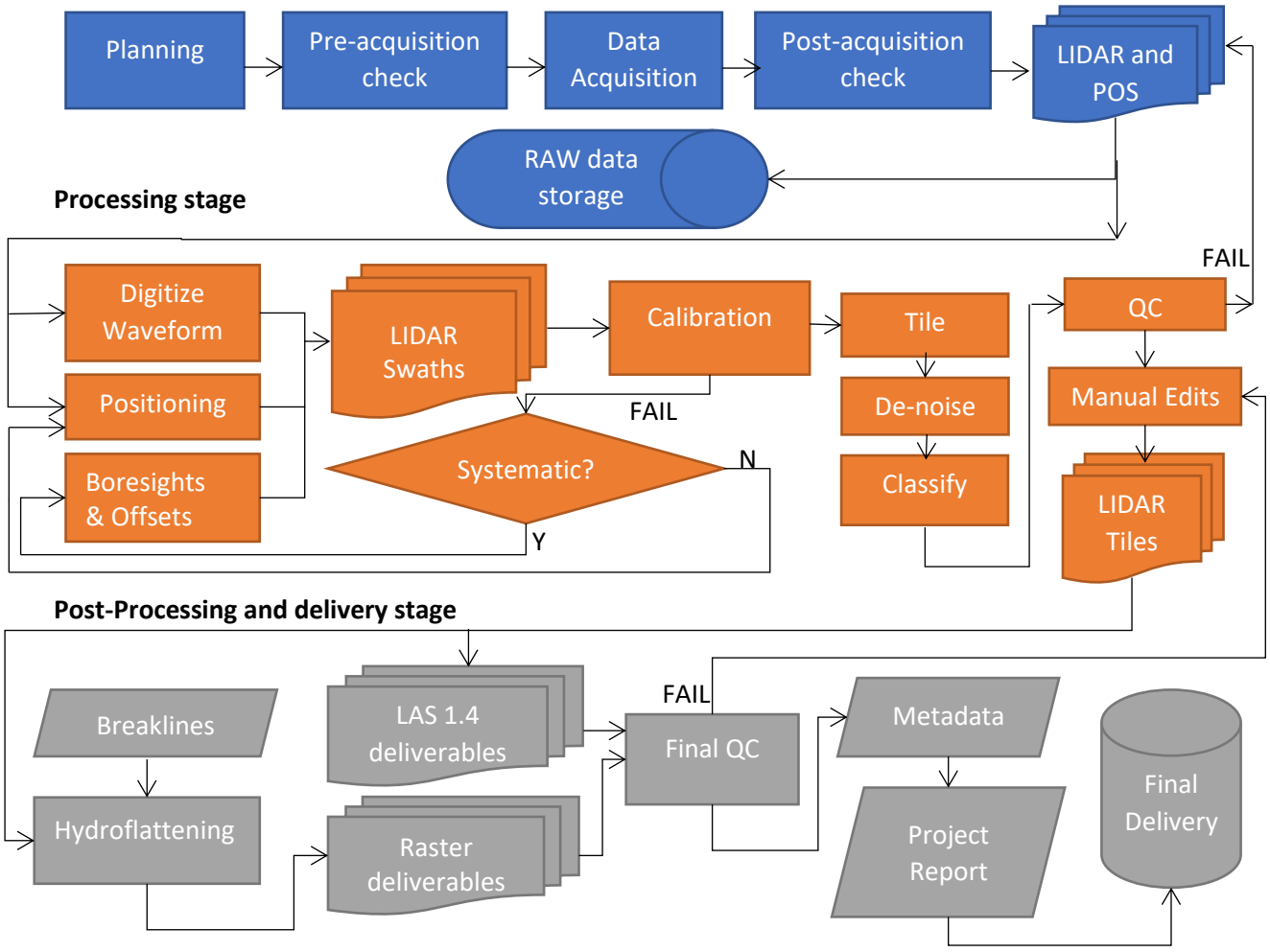
Baseline Length



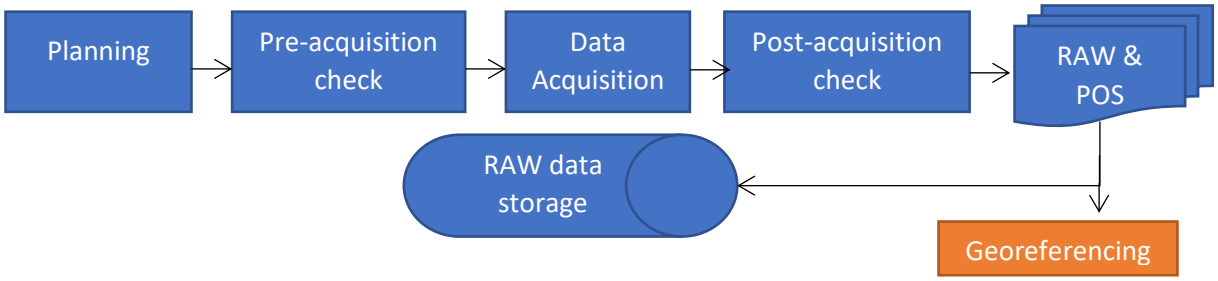
LiDAR Data Acquisition Workflow



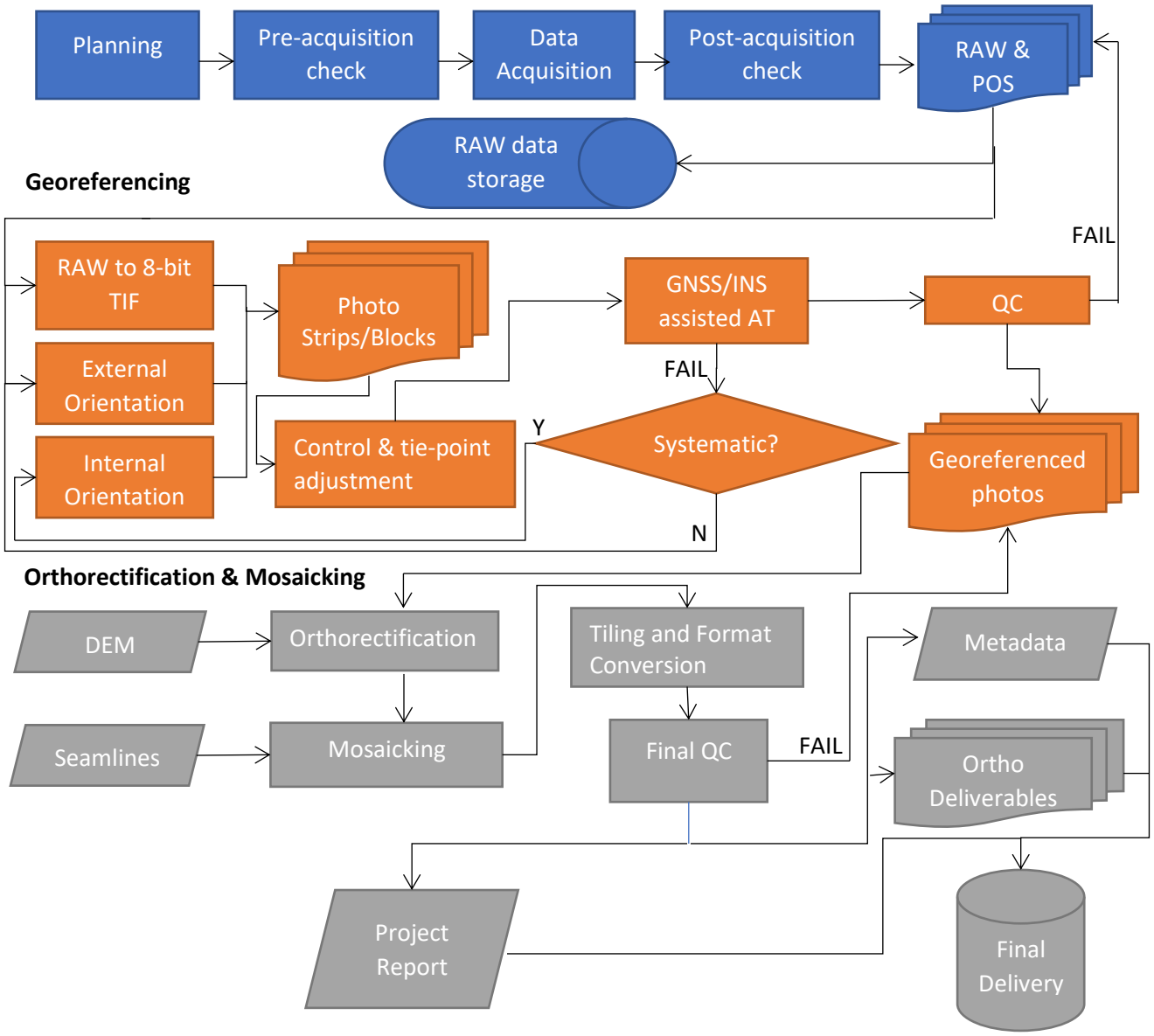
LiDAR Full Workflow



Ortho Acquisition Workflow



Ortho Full Workflow



Appendix J – Overburden Drilling Management Results

Exploring Heavy Minerals

Overburden Drilling Management Limited
Unit 107, 15 Capella Court
Nepean, Ontario, Canada, K2E 7X1
Tel: (613) 226-1771 Fax: (613) 226-8753
odm@storm.ca www.odm.ca

Laboratory Data Report

Client Information

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Attention: Brian Hua

Data-File Information

Date:	July 23, 2024
Project name:	Regional
ODM batch number:	3273
Sample numbers:	K518501 to 8509, K518511 to 8513, K518517, K518519, K518521, K518523 to 8531, K518551 to 8555, K518557, K518559 to 8563, K518566 to 8571
Data file:	20243273 - Barrick Gold - Regional - (Gold) - July 23, 2024 - Final
Number of samples in this report:	40
Number of samples processed to date:	40
Total number of samples in project:	66

Preliminary data:	
Final data:	X
Revised data:	

Samples Processed For: **Gold only**

Processing Specifications:

1. Submitted by client:Till and sand samples.
2. One ±300 g archival split taken from each sample.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.
4. Shaking table concentrates refined by heavy liquid separation at S.G. 3.3 to create heavy mineral concentrates (HMCs).

Notes

Mike Crawford
Laboratory Manager

Primary Sample Processing Weights and Descriptions

Client: Barrick Gold Corporation
File Name: 20243273 - Barrick Gold - Regional - (Gold) - July 16, 2024 - Final
Total Number of Samples in this Report: 40
ODM Batch Number(s): 3273

	Screening and Shaking Table Sample Descriptions																
							Clasts (+2.0 mm)				Matrix (-2.0 mm)						
	Weight (kg wet)						Percentage				Distribution					Colour	
Sample Number	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts	Table Feed	Size	V/S	GR	LS	OT*	S/U	SD	ST	CY	ORG	SD	CY	Class
K518501	10.0	0.3	9.7	3.1	6.6	P	20	80	0	TR	U	+	Y	-	N	OC	OC	TILL
K518502	10.1	0.3	9.8	2.0	7.8	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518503	10.8	0.3	10.5	2.7	7.8	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518504	10.9	0.3	10.6	3.6	7.0	P	50	50	0	TR	U	+	Y	-	N	OC	OC	TILL
K518505	11.6	0.3	11.3	2.5	8.8	P	70	30	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518506	9.8	0.3	9.5	0.6	8.9	P	20	75	0	5	S	FM	+	-	N	LOC	LOC	SAND+SILT
K518507	10.0	0.3	9.7	1.5	8.2	P	80	20	0	TR	U	+	Y	-	N	OC	OC	TILL
K518508	10.0	0.3	9.7	3.3	6.4	P	35	60	0	5	U	+	Y	-	N	OC	OC	TILL
K518509	7.8	0.3	7.5	0.6	6.9	P	85	15	0	TR	S	FM	+	-	N	LOC	LOC	SAND+SILT
K518511	20.1	0.3	19.8	3.5	16.3	P	50	50	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518513	9.7	0.3	9.4	0.7	8.7	P	30	70	0	TR	S	FM	+	-	N	LOC	LOC	SAND+SILT
K518517	9.5	0.3	9.2	2.3	6.9	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518519	8.7	0.3	8.4	1.3	7.1	P	50	50	0	TR	U	+	Y	-	N	OC	OC	TILL
K518521	10.1	0.3	9.8	2.0	7.8	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518523	10.3	0.3	10.0	1.7	8.3	P	85	15	0	TR	U	+	Y	-	N	OC	OC	TILL
K518524	9.1	0.3	8.8	2.8	6.0	P	60	40	0	TR	U	+	Y	-	N	OC	OC	TILL
K518525	10.3	0.3	10.0	2.7	7.3	P	60	40	0	0	U	+	Y	-	N	OC	OC	TILL
K518526	11.6	0.3	11.3	4.3	7.0	P	80	20	0	TR	U	+	Y	-	N	OC	OC	TILL
K518527	10.8	0.3	10.5	2.2	8.3	P	100	TR	0	TR	U	+	Y	-	N	OC	OC	TILL
K518528	8.8	0.3	8.5	0.7	7.8	P	90	10	0	TR	S	FM	+	-	N	OC	OC	SAND+SILT
K518529	14.0	0.3	13.7	6.9	6.8	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518530	12.4	0.3	12.1	2.2	9.9	P	60	40	0	TR	U	+	Y	-	N	OC	OC	TILL
K518531	10.8	0.3	10.5	0.9	9.6	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518551	8.7	0.3	8.4	1.7	6.7	P	40	60	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518552	9.1	0.3	8.8	2.4	6.4	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518553	9.6	0.3	9.3	1.6	7.7	P	50	50	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518554	8.5	0.3	8.2	1.4	6.8	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518555	10.5	0.3	10.2	1.4	8.8	P	35	65	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518557	9.9	0.3	9.6	1.0	8.6	P	30	70	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518559	10.2	0.3	9.9	3.5	6.4	P	30	70	0	TR	U	+	Y	-	N	OC	OC	TILL
K518560	9.4	0.3	9.1	1.4	7.7	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518561	10.0	0.3	9.7	1.5	8.2	P	60	40	0	TR	U	+	Y	-	N	OC	OC	TILL
K518562	9.3	0.3	9.0	1.3	7.7	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518563	10.0	0.3	9.7	3.2	6.5	P	30	70	0	TR	U	+	Y	-	N	OC	OC	TILL
K518566	9.8	0.3	9.5	1.5	8.0	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518567	9.7	0.3	9.4	1.9	7.5	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518568	11.2	0.3	10.9	2.6	8.3	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518569	10.9	0.3	10.6	2.2	8.4	P	25	75	0	TR	U	+	Y	-	N	GB	GB	TILL
K518570	10.2	0.3	9.9	3.3	6.6	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518571	11.7	0.3	11.4	2.6	8.8	P	45	55	0	TR	U	+	Y	-	N	LOC	LOC	TILL

*Clasts listed as OT are Quartz.

Gold Grain Summary

Client: Barrick Gold Corporation
File Name: 20243273 - Barrick Gold - Regional - (Gold) - July 16, 2024 - Final
Total Number of Samples in this Report: 40
ODM Batch Number(s): 3273

	Number of Visible Gold Grains				Nonmag HMC Weight (g)*	Calculated PPB Visible Gold in HMC			
Sample Number	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
K518501	35	27	2	6	26.4	1195	1167	25	2
K518502	8	7	1	0	31.2	65	63	2	0
K518503	7	4	1	2	31.2	73	69	5	<1
K518504	7	5	2	0	28.0	209	129	80	0
K518505	3	3	0	0	35.2	2	2	0	0
K518506	3	3	0	0	35.6	6	6	0	0
K518507	54	22	7	25	32.8	728	699	10	19
K518508	5	3	2	0	25.6	1812	1779	33	0
K518509	1	0	1	0	27.6	21	0	21	0
K518511	8	2	4	2	65.2	38	7	30	1
K518513	7	1	2	4	34.8	15	1	12	2
K518517	8	6	2	0	27.6	194	166	28	0
K518519	3	1	1	1	28.4	4	1	3	1
K518521	19	11	6	2	31.2	391	43	349	<1
K518523	7	7	0	0	33.2	21	21	0	0
K518524	4	1	1	2	24.0	2	1	1	<1
K518525	17	11	4	2	29.2	572	99	456	17
K518526	5	2	1	2	28.0	2	1	1	<1
K518527	26	9	8	9	33.2	110	57	44	8
K518528	8	3	3	2	31.2	3	2	2	<1
K518529	16	13	3	0	27.2	715	412	303	0
K518530	9	7	0	2	39.6	554	554	0	1
K518531	36	21	6	9	38.4	418	69	71	279
K518551	9	6	2	1	26.8	305	39	242	24
K518552	8	8	0	0	25.6	69	69	0	0
K518553	12	6	2	4	30.8	163	151	7	5
K518554	6	5	0	1	27.2	721	720	0	1
K518555	5	4	1	0	35.2	61	50	10	0
K518557	3	3	0	0	34.4	5	5	0	0
K518559	1	1	0	0	25.6	8	8	0	0
K518560	0	0	0	0	30.8	0	0	0	0
K518561	4	3	1	0	32.8	10	9	1	0
K518562	1	1	0	0	30.8	156	156	0	0
K518563	1	1	0	0	26.0	7	7	0	0
K518566	2	2	0	0	32.0	2	2	0	0
K518567	3	3	0	0	30.0	83	83	0	0
K518568	6	6	0	0	33.2	31	31	0	0
K518569	2	2	0	0	33.6	6	6	0	0
K518570	13	10	3	0	26.4	523	519	4	0
K518571	8	8	0	0	35.2	67	67	0	0

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243273 - Barrick Gold - Regional - (Gold) - July 16, 2024 - Final
Total Number of Samples in this Report: 40
ODM Batch Number(s): 3273

	Dimensions (µm)				Number of Visible Gold Grains				Nonmag HMC Weight*	Calculated V.G. Assay in HMC	
Sample Number	Thickness		Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	Metallic Minerals in Pan Concentrate
K518501	3	C	15	15	8		5	13		3	No sulphides.
	5	C	25	25	9	1	1	11		10	Select grains photographed.
	8	C	25	50	3			3		8	
	10	C	50	50	3			3		22	
	13	C	50	75	1			1		14	
	15	C	75	75		1		1		24	
	15	C	75	75	2			2		49	
	50	M	200	375	1			1		1065	
								35	26.4	1195	
K518502	5	C	25	25	1			1		1	No sulphides.
	8	C	25	50	1	1		2		5	
	10	C	50	50	3			3		18	
	15	C	75	75	2			2		41	
								8	31.2	65	
K518503	3	C	15	15			2	2		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1			1		2	
	10	C	25	75		1		1		5	
	15	C	75	75	1			1		21	
	20	C	75	125	1			1		45	
								7	31.2	74	
K518504	8	C	25	50	1			1		3	No sulphides.
	10	C	25	75		1		1		5	
	10	C	50	50	1			1		7	
	13	C	50	75	1			1		13	
	20	C	100	100	2			2		107	
	22	C	100	125		1		1		75	
								7	28.0	209	
K518505	5	C	25	25	3			3		2	No sulphides.
								3	35.2	2	
K518506	8	C	25	50	3			3		6	No sulphides.
								3	35.6	6	
K518507	3	C	15	15	4		16	20		3	No sulphides.
	5	C	25	25	15	5	4	24		18	
	8	C	25	50		1	4	5		11	
	10	C	25	75		1	1	2		9	
	10	C	50	50	2			2		12	
	75	M	175	225	1			1		675	
								54	32.8	728	
K518508	10	C	50	50	1	1		2		15	No sulphides.
	15	C	75	75		1		1		25	
	75	M	125	225	1			1		618	
	75	M	175	300	1			1		1154	
								5	25.6	1812	
K518509	15	C	50	100		1		1		21	No sulphides.
								1	27.6	21	
K518511	5	C	25	25		1	1	2		1	No sulphides.
	8	C	25	50	1	1	1	3		3	
	13	C	50	75	1	1		2		11	
	20	C	100	100		1		1		23	
								8	65.2	38	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243273 - Barrick Gold - Regional - (Gold) - July 16, 2024 - Final
Total Number of Samples in this Report: 40
ODM Batch Number(s): 3273

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518513	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	1		3	4		3	
	8	C	25	50		1		1		2	
	13	C	50	75		1		1		10	
								7	34.8	15	
K518517	8	C	25	50	2			2		5	No sulphides.
	10	C	25	75	1			1		5	
	10	C	50	50	1	1		2		14	
	15	C	50	100	1	1		2		41	
	27	C	100	175	1			1		128	
								8	27.6	194	
K518519	5	C	25	25	1		1	2		2	No sulphides.
	8	C	25	50		1		1		3	
								3	28.4	4	
K518521	3	C	15	15	3		2	5		1	No sulphides.
	5	C	25	25	5	2		7		5	
	8	C	25	50		1		1		2	
	10	C	50	50	1			1		6	
	13	C	50	75	1	1		2		23	
	15	C	75	75	1			1		21	
	18	C	75	100		1		1		32	
	36	C	175	200		1		1		302	
								19	31.2	392	
K518523	3	C	15	15	1			1		<1	No sulphides.
	5	C	25	25	5			5		4	
	15	C	50	100	1			1		17	
								7	33.2	21	
K518524	3	C	15	15			2	2		<1	No sulphides.
	5	C	25	25	1	1		2		2	
								4	24.0	2	
K518525	5	C	25	25	2	1		3		2	No sulphides.
	8	C	25	50	1			1		2	
	10	C	25	75			1	1		5	
	10	C	50	50	4			4		26	
	13	C	50	75	2		1	3		37	
	15	C	75	75	2	1		3		66	
	50	M	125	150		1		1		241	
	50	M	75	200		1		1		193	
								17	29.2	572	
K518526	3	C	15	15	1		2	3		1	No sulphides.
	5	C	25	25	1	1		2		2	
								5	28.0	2	
K518527	3	C	15	15			3	3		<1	No sulphides.
	5	C	25	25	5	2	5	12		9	
	8	C	25	50	2	1		3		7	
	10	C	25	75			1	1		4	
	10	C	50	50		4		4		23	
	15	C	50	100		1		1		17	
	15	C	75	75	1			1		19	
	18	C	75	100	1			1		30	
								26	33.2	110	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243273 - Barrick Gold - Regional - (Gold) - July 16, 2024 - Final
Total Number of Samples in this Report: 40
ODM Batch Number(s): 3273

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518528	3	C	15	15	1	1	2	4		1	No sulphides.
	5	C	25	25	2	2		4		3	
								8	31.2	4	
K518529	5	C	25	25	1			1		1	No sulphides.
	8	C	25	50	1			1		3	
	10	C	50	50	4			4		28	
	13	C	50	75	2			2		26	
	15	C	50	100	2			2		42	
	18	C	75	100	1	1		2		73	
	20	C	100	100		1		1		55	
	25	M	100	100	1			1		69	
	25	M	175	175		1		1		211	
	50	M	100	150	1			1		207	
								16	27.2	715	
K518530	3	C	15	15	1		1	2		<1	No sulphides.
	5	C	25	25	1		1	2		1	
	8	C	25	50	3			3		5	
	25	M	125	325	1			1		192	
	50	M	100	375	1			1		355	
								9	39.6	554	
K518531	3	C	15	15	4		5	9		1	No sulphides.
	5	C	25	25	9	2	2	13		8	
	8	C	25	50	4	2	1	7		13	
	10	C	50	50	1			1		5	
	13	C	50	75	1			1		9	
	15	C	50	100	1			1		15	
	15	C	75	75		1		1		17	
	18	C	75	100	1			1		26	
	25	M	50	200		1		1		49	
	75	M	125	150			1	1		275	
								36	38.4	418	
K518551	3	C	15	15	2			2		<1	No sulphides.
	5	C	25	25	2			2		2	
	10	C	25	75		1		1		5	
	13	C	50	75	1			1		13	
	15	C	75	75	1		1	2		48	
	75	M	75	150		1		1		236	
								9	26.8	305	
K518552	5	C	25	25	1			1		1	No sulphides.
	10	C	25	75	1			1		6	
	10	C	50	50	5			5		38	
	15	C	75	75	1			1		25	
								8	25.6	69	
K518553	3	C	15	15			2	2		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	2	1	2	5		12	
	10	C	25	75		1		1		5	
	10	C	50	50	2			2		12	
	25	M	125	175	1			1		133	
								12	30.8	163	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243273 - Barrick Gold - Regional - (Gold) - July 16, 2024 - Final
Total Number of Samples in this Report: 40
ODM Batch Number(s): 3273

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518554	5	C	25	25			1	1		1	No sulphides.
	10	C	50	50	2			2		14	
	13	C	50	75	1			1		13	
	15	C	50	100	1			1		21	
	50	M	150	325	1			1		672	
								6	27.2	721	
K518555	8	C	25	50	2			2		4	No sulphides.
	13	C	50	75		1		1		10	
	15	C	75	75	1			1		18	
	18	C	75	100	1			1		28	
								5	35.2	61	
K518557	5	C	25	25	1			1		1	No sulphides.
	8	C	25	50	2			2		4	
								3	34.4	5	
K518559	10	C	50	50	1			1		8	No sulphides.
								1	25.6	8	
K518560	No Visible Gold										No sulphides.
K518561	5	C	25	25	1	1		2		1	No sulphides.
	8	C	25	50	1			1		2	
	10	C	50	50	1			1		6	
								4	32.8	10	
K518562	29	C	125	175	1			1		156	No sulphides.
								1	30.8	156	
K518563	10	C	50	50	1			1		7	No sulphides.
								1	26.0	7	
K518566	5	C	25	25	2			2		2	No sulphides.
								2	32.0	2	
K518567	10	C	50	50	2			2		13	No sulphides.
	22	C	100	125	1			1		70	
								3	30.0	83	
K518568	5	C	25	25	1			1		1	No sulphides.
	8	C	25	50	1			1		2	
	10	C	50	50	3			3		17	
	13	C	50	75	1			1		11	
								6	33.2	31	
K518569	5	C	25	25	1			1		1	No sulphides.
	10	C	50	50	1			1		6	
								2	33.6	6	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243273 - Barrick Gold - Regional - (Gold) - July 16, 2024 - Final
Total Number of Samples in this Report: 40
ODM Batch Number(s): 3273

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518570	3	C	15	15		1		1		<1	No sulphides.
	5	C	25	25	2	1		3		3	
	8	C	25	50	2	1		3		8	
	10	C	25	75	1			1		5	
	10	C	50	50	1			1		7	
	13	C	50	75	1			1		14	
	15	C	50	100	1			1		22	
	18	C	75	100	1			1		38	
	50	M	150	200	1			1		426	
								13	26.4	523	
K518571	5	C	25	25	1			1		1	No sulphides.
	8	C	25	50	3			3		6	
	10	C	25	75	1			1		4	
	10	C	50	50	1			1		5	
	13	C	50	75	1			1		10	
	20	C	75	125	1			1		40	
								8	35.2	67	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Sample Number	Table Split Weight (kg)	VG Total	VG Reshaped	VG Modified	VG Pristine	Metallic Minerals in Pan Concentrate
K518501	9.7	35	27	2	6	No sulphides.
K518502	9.8	8	7	1	0	No sulphides.
K518503	10.5	7	4	1	2	No sulphides.
K518504	10.6	7	5	2	0	No sulphides.
K518505	11.3	3	3	0	0	No sulphides.
K518506	9.5	3	3	0	0	No sulphides.
K518507	9.7	54	22	7	25	No sulphides.
K518508	9.7	5	3	2	0	No sulphides.
K518509	7.5	1	0	1	0	No sulphides.
K518511	19.8	8	2	4	2	No sulphides.
K518513	9.4	7	1	2	4	No sulphides.
K518517	9.2	8	6	2	0	No sulphides.
K518519	8.4	3	1	1	1	No sulphides.
K518521	9.8	19	11	6	2	No sulphides.
K518523	10	7	7	0	0	No sulphides.
K518524	8.8	4	1	1	2	No sulphides.
K518525	10	17	11	4	2	No sulphides.
K518526	11.3	5	2	1	2	No sulphides.
K518527	10.5	26	9	8	9	No sulphides.
K518528	8.5	8	3	3	2	No sulphides.
K518529	13.7	16	13	3	0	No sulphides.
K518530	12.1	9	7	0	2	No sulphides.
K518531	10.5	36	21	6	9	No sulphides.
K518551	8.4	9	6	2	1	No sulphides.
K518552	8.8	8	8	0	0	No sulphides.
K518553	9.3	12	6	2	4	No sulphides.
K518554	8.2	6	5	0	1	No sulphides.
K518555	10.2	5	4	1	0	No sulphides.
K518557	9.6	3	3	0	0	No sulphides.
K518559	9.9	1	1	0	0	No sulphides.
K518560	9.1	0	0	0	0	No sulphides.
K518561	9.7	4	3	1	0	No sulphides.
K518562	9	1	1	0	0	No sulphides.
K518563	9.7	1	1	0	0	No sulphides.
K518566	9.5	2	2	0	0	No sulphides.
K518567	9.4	3	3	0	0	No sulphides.
K518568	10.9	6	6	0	0	No sulphides.
K518569	10.6	2	2	0	0	No sulphides.
K518570	9.9	13	10	3	0	No sulphides.
K518571	11.4	8	8	0	0	No sulphides.

Exploring Heavy Minerals

Overburden Drilling Management Limited
Unit 107, 15 Capella Court
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Laboratory Data Report

Client Information

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Data-File Information

Date:	July 23, 2024
Project name:	Regional
ODM batch number:	3274
Sample numbers:	K518572 to 8582, K518601 to 8608, K518611 to 8613, K518532 to 8533
Data file:	20243274 - Barrick Gold - Regional - (Gold) - July 23, 2024 - Final
Number of samples in this report:	24
Number of samples processed to date:	66
Total number of samples in project:	66

Preliminary data:	
Final data:	X
Revised data:	

Samples Processed For: **Gold only**

Processing Specifications:

1. Submitted by client: Till samples.
2. One ±300 g archival split taken from each sample.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.
4. Shaking table concentrates refined by heavy liquid separation at S.G. 3.3 to create heavy mineral concentrates (HMCs).

Notes

Mike Crawford
Laboratory Manager

Primary Sample Processing Weights and Descriptions

Client: Barrick Gold Corporation
File Name: 20243274 - Barrick Gold - Regional - (Gold) - July 17, 2024 - Final
Total Number of Samples in this Report: 24
ODM Batch Number(s): 3274

	Weight (kg wet)					Screening and Shaking Table Sample Descriptions												
							Clasts (+2.0 mm) Percentage				Matrix (-2.0 mm) Distribution					Colour		
Sample Number	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts	Table Feed	Size	V/S	GR	LS	OT*	S/U	SD	ST	CY	ORG	SD	CY	Class
K518572	9.6	0.3	9.3	2.6	6.7	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518573	10.7	0.3	10.4	1.5	8.9	P	80	20	0	TR	U	+	Y	-	N	OC	OC	TILL
K518574	10.5	0.3	10.2	2.3	7.9	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518575	11.0	0.3	10.7	1.4	9.3	P	60	40	0	TR	U	+	Y	-	N	OC	OC	TILL
K518576	9.2	0.3	8.9	1.9	7.0	P	40	60	0	TR	U	+	Y	-	N	GB	GB	TILL
K518577	10.2	0.3	9.9	1.5	8.4	P	70	30	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518578	11.0	0.3	10.7	1.7	9.0	P	70	30	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518579	9.2	0.3	8.9	2.0	6.9	P	30	70	0	TR	U	+	Y	-	N	OC	OC	TILL
K518580	11.7	0.3	11.4	2.6	8.8	P	70	30	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518581	10.5	0.3	10.2	2.5	7.7	P	60	40	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518582	11.1	0.3	10.8	2.3	8.5	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518601	10.8	0.3	10.5	1.5	9.0	P	70	30	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518602	11.8	0.3	11.5	2.0	9.5	P	80	20	0	TR	U	+	Y	-	N	OC	OC	TILL
K518603	11.3	0.3	11.0	3.9	7.1	C	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518604	10.8	0.3	10.5	1.9	8.6	P	80	20	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518605	12.2	0.3	11.9	3.1	8.8	P	85	15	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518606	9.8	0.3	9.5	1.7	7.8	P	90	10	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518607	8.9	0.3	8.6	2.0	6.6	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518608	12.9	0.3	12.6	1.9	10.7	P	65	35	0	TR	U	+	Y	-	N	GB	BE	TILL
K518611	13.3	0.3	13.0	4.4	8.6	P	60	40	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518612	13.2	0.3	12.9	2.8	10.1	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518613	12.7	0.3	12.4	4.6	7.8	P	80	20	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518532	11.3	0.3	11.0	2.1	8.9	P	35	65	0	TR	U	+	Y	-	N	GB	BE	TILL
K518533	11.0	0.3	10.7	1.3	9.4	P	20	75	0	5	U	+	Y	-	N	GB	BE	TILL

*Clasts listed as OT are Quartz.

Gold Grain Summary

Client: Barrick Gold Corporation
File Name: 20243274 - Barrick Gold - Regional - (Gold) - July 17, 2024 - Final
Total Number of Samples in this Report: 24
ODM Batch Number(s): 3274

	Number of Visible Gold Grains				Nonmag HMC Weight (g)*	Calculated PPB Visible Gold in HMC			
Sample Number	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
K518572	4	4	0	0	26.8	17	17	0	0
K518573	7	7	0	0	35.6	60	60	0	0
K518574	0	0	0	0	31.6	0	0	0	0
K518575	7	7	0	0	37.2	23	23	0	0
K518576	3	3	0	0	28.0	36	36	0	0
K518577	5	3	2	0	33.6	11	5	6	0
K518578	10	8	0	2	36.0	12	12	0	<1
K518579	6	5	0	1	27.6	259	259	0	<1
K518580	9	4	3	2	35.2	48	36	12	1
K518581	3	3	0	0	30.8	3	3	0	0
K518582	10	4	4	2	34.0	687	663	24	<1
K518601	7	4	2	1	36.0	13	5	7	<1
K518602	6	5	0	1	38.0	40	40	0	<1
K518603	3	2	1	0	28.4	100	100	<1	0
K518604	10	10	0	0	34.4	25	25	0	0
K518605	3	3	0	0	35.2	23	23	0	0
K518606	3	3	0	0	31.2	39	39	0	0
K518607	2	2	0	0	26.4	45	45	0	0
K518608	4	1	0	3	42.8	14	1	0	13
K518611	16	14	1	1	34.4	93	90	1	2
K518612	34	22	11	1	40.4	259	220	38	<1
K518613	10	8	2	0	31.2	21	20	1	0
K518532	6	6	0	0	35.6	191	191	0	0
K518533	1	1	0	0	37.6	1	1	0	0

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243274 - Barrick Gold - Regional - (Gold) - July 17, 2024 - Final
Total Number of Samples in this Report: 24
ODM Batch Number(s): 3274

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518572	3	C	15	15	1			1		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1			1		3	
	13	C	50	75	1			1		13	
								4	26.8	17	
K518573	5	C	25	25	1			1		1	No sulphides.
	8	C	25	50	3			3		6	
	10	C	25	75	1			1		4	
	13	C	50	75	1			1		10	
	20	C	75	125	1			1		40	
								7	35.6	60	
K518574	No Visible Gold										No sulphides.
K518575	3	C	15	15	2			2		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1			1		2	
	10	C	50	50	2			2		10	
	13	C	50	75	1			1		10	
								7	37.2	23	
K518576	8	C	25	50	1			1		3	No sulphides.
	13	C	50	75	1			1		13	
	15	C	50	100	1			1		20	
								3	28.0	36	
K518577	5	C	25	25	1	1		2		1	No sulphides.
	8	C	25	50	2			2		4	
	10	C	50	50		1		1		6	
								5	33.6	11	
K518578	3	C	15	15	2		2	4		1	No sulphides.
	5	C	25	25	3			3		2	
	8	C	25	50	2			2		4	
	10	C	50	50	1			1		5	
								10	36.0	12	
K518579	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	2			2		2	
	22	C	100	125	1			1		76	
	20	C	100	100	1			1		54	
	25	M	125	150	1			1		127	
								6	27.6	260	
K518580	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25		2	1	3		2	
	8	C	25	50	1			1		2	
	10	C	50	50	1			1		5	
	13	C	50	75	1	1		2		20	
	15	C	75	75	1			1		18	
								9	35.2	48	
K518581	3	C	15	15	1			1		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1			1		2	
								3	30.8	3	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243274 - Barrick Gold - Regional - (Gold) - July 17, 2024 - Final
Total Number of Samples in this Report: 24
ODM Batch Number(s): 3274

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518582	3	C	15	15	1		2	3		<1	No sulphides.
	5	C	25	25	2	2		4		3	
	10	C	50	50		1		1		6	
	15	C	50	100		1		1		17	
	50	M	200	300	1			1		662	
								10	34.0	687	
K518601	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	2			2		1	
	8	C	25	50	2	1		3		6	
	10	C	50	50		1		1		5	
								7	36.0	13	
K518602	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	2			2		4	
	13	C	50	75	1			1		9	
	18	C	75	100	1			1		26	
								6	38.0	40	
K518603	3	C	15	15		1		1		<1	No sulphides.
	5	C	25	25	1			1		1	
	25	M	100	150	1			1		99	
								3	28.4	100	
K518604	3	C	15	15	1			1		<1	No sulphides.
	5	C	25	25	3			3		2	
	8	C	25	50	2			2		4	
	10	C	25	75	3			3		13	
	10	C	50	50	1			1		6	
								10	34.4	25	
K518605	5	C	25	25	1			1		1	No sulphides.
	10	C	25	75	1			1		4	
	15	C	75	75	1			1		18	
								3	35.2	23	
K518606	5	C	25	25	1			1		1	No sulphides.
	10	C	50	50	1			1		6	
	18	C	75	100	1			1		32	
								3	31.2	39	
K518607	10	C	50	50	1			1		7	No sulphides.
	18	C	75	100	1			1		38	
								2	26.4	45	
K518608	5	C	25	25	1		1	2		1	No sulphides.
	10	C	50	50			1	1		4	
	13	C	50	75			1	1		8	
								4	42.8	14	
K518611	5	C	25	25	3	1		4		3	No sulphides.
	8	C	25	50	7		1	8		17	
	10	C	50	50	1			1		6	
	13	C	50	75	1			1		10	
	18	C	75	100	2			2		58	
								16	34.4	93	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243274 - Barrick Gold - Regional - (Gold) - July 17, 2024 - Final
Total Number of Samples in this Report: 24
ODM Batch Number(s): 3274

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518612	3	C	15	15		2	1	3		<1	No sulphides.
	5	C	25	25	5	2		7		4	
	8	C	25	50	3	3		6		11	
	10	C	25	75	2	1		3		11	
	10	C	50	50	3	1		4		19	
	13	C	50	75	2	1		3		27	
	15	C	50	100	1	1		2		28	
	15	C	75	75	3			3		48	
	18	C	75	100	1			1		25	
	20	C	75	125	1			1		35	
	22	C	100	125	1			1		52	
								34	40.4	259	
K518613	3	C	15	15	3	1		4		1	No sulphides.
	5	C	25	25	1	1		2		2	
	8	C	25	50	3			3		7	
	13	C	50	75	1			1		11	
								10	31.2	21	
K518532	10	C	25	75	1			1		4	No sulphides.
	10	C	50	50	2			2		11	
	15	C	75	75	1			1		18	
	25	M	100	150	2			2		158	
								6	35.6	191	
K518533	5	C	25	25	1			1		1	No sulphides.
								1	37.6	1	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Sample Number	Table Split Weight (kg)	VG Total	VG Reshaped	VG Modified	VG Pristine	Metallic Minerals in Pan Concentrate
K518572	9.3	4	4	0	0	No sulphides.
K518573	10.4	7	7	0	0	No sulphides.
K518574	10.2	0	0	0	0	No sulphides.
K518575	10.7	7	7	0	0	No sulphides.
K518576	8.9	3	3	0	0	No sulphides.
K518577	9.9	5	3	2	0	No sulphides.
K518578	10.7	10	8	0	2	No sulphides.
K518579	8.9	6	5	0	1	No sulphides.
K518580	11.4	9	4	3	2	No sulphides.
K518581	10.2	3	3	0	0	No sulphides.
K518582	10.8	10	4	4	2	No sulphides.
K518601	10.5	7	4	2	1	No sulphides.
K518602	11.5	6	5	0	1	No sulphides.
K518603	11	3	2	1	0	No sulphides.
K518604	10.5	10	10	0	0	No sulphides.
K518605	11.9	3	3	0	0	No sulphides.
K518606	9.5	3	3	0	0	No sulphides.
K518607	8.6	2	2	0	0	No sulphides.
K518608	12.6	4	1	0	3	No sulphides.
K518611	13	16	14	1	1	No sulphides.
K518612	12.9	34	22	11	1	No sulphides.
K518613	12.4	10	8	2	0	No sulphides.
K518532	11	6	6	0	0	No sulphides.
K518533	10.7	1	1	0	0	No sulphides.

Exploring Heavy Minerals

Overburden Drilling Management Limited
Unit 107, 15 Capella Court
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Laboratory Data Report

Client Information

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Data-File Information

Date:	January 8,2025
Project name:	Wawa
ODM batch number:	3475
Sample numbers:	K518536 to K518539, K518541 to K518547, K518617 to K518625, K518627 to K518629, K518631 to K518639, K518641 to K518644
Data file:	20243475 - Barrick Gold - WaWa - (Gold) - Jan 8, 2025 - Final
Number of samples in this report:	36
Number of samples processed to date:	145
Total number of samples in project:	145

Preliminary data:	
Final data:	X
Revised data:	

Samples Processed For: **Gold only**

Processing Specifications:

1. Submitted by client: Till and sand samples
2. One ±300 g archival split taken from each sample.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.

Notes

Mike Crawford
Laboratory Manager

Primary Sample Processing Weights and Descriptions

Client: Barrick Gold Corporation
File Name: 20243475 - Barrick Gold - WaWa - (Gold) - Jan 8, 2025 - Final
Total Number of Samples in this Report: 36
ODM Batch Number(s): 3475

	Weight (kg wet)					Screening and Shaking Table Sample Descriptions													
							Clasts (+2.0 mm) Percentage					Matrix (-2.0 mm) Distribution					Colour		
Sample Number	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts	Table Feed	Size	V/S	GR	LS	OT*	S/U	SD	ST	CY	ORG	SD	CY	Class
K518536	9.3	0.3	9.0	0.8	8.2	P	70	30	0	TR	U	+	Y	-	Y	OC	OC	TILL
K518537	9.5	0.3	9.2	0.6	8.6	P	80	20	0	TR	S	FM	+	-	Y	OC	OC	SAND+SILT
K518538	8.4	0.3	8.1	1.3	6.8	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518539	10.3	0.3	10.0	2.0	8.0	P	70	30	0	TR	U	+	Y	-	Y	OC	OC	TILL
K518541	9.4	0.3	9.1	0.7	8.4	P	80	20	0	TR	S	FM	+	-	N	OC	OC	SAND+SILT
K518542	9.9	0.3	9.6	1.9	7.7	P	100	0	0	0	U	+	Y	-	N	OC	OC	TILL
K518543	10.5	0.3	10.2	1.5	8.7	P	100	0	0	TR	U	+	Y	-	N	OC	OC	TILL
K518544	9.9	0.3	9.6	1.5	8.1	P	80	20	0	TR	U	+	Y	-	N	OC	OC	TILL
K518545	9.6	0.3	9.3	1.4	7.9	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL
K518546	9.9	0.3	9.6	0.7	8.9	P	100	0	0	TR	U	Y	+	-	N	OC	OC	TILL
K518547	8.8	0.3	8.5	0.5	8.0	P	100	0	0	0	S	FM	+	-	N	OC	OC	SAND+SILT
K518617	10.4	0.3	10.1	0.6	9.5	P	80	20	0	TR	S	FM	+	-	N	OC	OC	SAND+SILT
K518618	9.4	0.3	9.1	1.8	7.3	P	40	60	0	TR	U	+	Y	-	N	LOC	OC	TILL
K518619	8.9	0.3	8.6	1.9	6.7	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518620	9.0	0.3	8.7	0.4	8.3	P	20	80	0	0	S	FM	+	-	N	OC	OC	SAND+SILT
K518621	9.0	0.3	8.7	3.1	5.6	P	50	50	0	TR	U	+	Y	-	N	OC	OC	TILL
K518622	10.8	0.3	10.5	4.8	5.7	P	80	20	0	TR	U	+	Y	-	N	OC	OC	TILL
K518623	8.9	0.3	8.6	1.4	7.2	P	20	80	0	TR	U	+	Y	-	N	OC	OC	TILL
K518624	9.4	0.3	9.1	1.3	7.8	P	80	20	0	TR	U	Y	+	-	N	LOC	OC	TILL
K518625	9.0	0.3	8.7	0.4	8.3	P	80	20	0	TR	S	FM	+	-	N	LOC	OC	SAND+SILT
K518627	9.5	0.3	9.2	1.1	8.1	P	95	5	0	TR	U	+	Y	-	N	OC	OC	TILL
K518628	9.8	0.3	9.5	2.7	6.8	P	95	5	0	TR	U	+	Y	-	N	OC	OC	TILL
K518629	9.1	0.3	8.8	3.4	5.4	P	90	10	0	TR	U	+	Y	-	N	OC	OC	TILL
K518631	9.6	0.3	9.3	1.4	7.9	P	100	TR	0	TR	U	+	Y	-	N	OC	OC	TILL
K518632	9.7	0.3	9.4	2.2	7.2	P	100	0	0	TR	U	+	Y	-	N	OC	OC	TILL
K518633	9.6	0.3	9.3	1.3	8.0	P	85	15	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518634	10.5	0.3	10.2	1.5	8.7	P	95	5	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518635	10.5	0.3	10.2	1.5	8.7	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518636	11.2	0.3	10.9	1.5	9.4	P	60	40	0	TR	U	+	Y	-	N	OC	OC	TILL
K518637	11.9	0.3	11.6	2.6	9.0	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518638	11.1	0.3	10.8	1.0	9.8	P	60	40	0	TR	U	+	Y	-	N	LOC	LOC	TILL
K518639	8.8	0.3	8.5	1.2	7.3	P	40	60	0	TR	U	+	Y	-	N	OC	OC	TILL
K518641	10.3	0.3	10.0	1.8	8.2	P	70	30	0	TR	U	+	Y	-	N	OC	OC	TILL
K518642	10.8	0.3	10.5	4.3	6.2	P	80	20	0	TR	U	+	Y	-	N	DOC	DOC	TILL
K518643	9.8	0.3	9.5	1.3	8.2	P	75	25	0	TR	U	+	Y	-	N	OC	OC	TILL
K518644	10.4	0.3	10.1	0.5	9.6	P	30	70	0	TR	S	FM	+	-	N	OC	OC	SAND+SILT

*Clasts listed as OT are Quartz.

Gold Grain Summary

Client: Barrick Gold Corporation
File Name: 20243475 - Barrick Gold - WaWa - (Gold) - Jan 8, 2025 - Final
Total Number of Samples in this Report: 36
ODM Batch Number(s): 3475

	Number of Visible Gold Grains				Nonmag HMC Weight (g)*	Calculated PPB Visible Gold in HMC			
Sample Number	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
K518536	18	8	2	8	32.8	15	10	1	4
K518537	9	4	2	3	34.4	18	11	6	2
K518538	3	1	0	2	27.2	2	1	0	1
K518539	3	2	0	1	32.0	8	7	0	1
K518541	4	0	3	1	33.6	2	0	2	<1
K518542	78	10	3	65	30.8	214	9	2	202
K518543	14	7	1	6	34.8	854	853	1	1
K518544	4	3	0	1	32.4	14	14	0	<1
K518545	4	2	0	2	31.6	8	7	0	1
K518546	7	5	0	2	35.6	1012	1010	0	2
K518547	4	2	2	0	32.0	5	3	2	0
K518617	8	7	1	0	38.0	33	33	<1	0
K518618	12	5	2	5	29.2	116	15	96	5
K518619	9	7	2	0	26.8	124	120	4	0
K518620	3	3	0	0	33.2	2	2	0	0
K518621	1	1	0	0	22.4	3	3	0	0
K518622	0	0	0	0	22.8	0	0	0	0
K518623	0	0	0	0	28.8	0	0	0	0
K518624	8	6	2	0	31.2	83	51	33	0
K518625	8	5	0	3	33.2	10	5	0	5
K518627	6	1	1	4	32.4	17	<1	1	16
K518628	3	2	0	1	27.2	106	101	0	5
K518629	4	3	1	0	21.6	37	37	<1	0
K518631	6	3	1	2	31.6	6	3	2	<1
K518632	0	0	0	0	28.8	0	0	0	0
K518633	2	1	1	0	32.0	19	1	18	0
K518634	1	1	0	0	34.8	2	2	0	0
K518635	22	16	4	2	34.8	244	136	106	1
K518636	23	13	4	6	37.6	312	119	178	16
K518637	12	8	3	1	36.0	137	123	14	<1
K518638	11	1	5	5	39.2	27	9	15	2
K518639	13	4	5	4	29.2	494	19	468	7
K518641	7	1	4	2	32.8	263	2	258	2
K518642	21	6	13	2	24.8	202	14	92	97
K518643	12	3	5	4	32.8	194	2	183	9
K518644	8	2	2	4	38.4	6	3	1	3

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243475 - Barrick Gold - WaWa - (Gold) - Jan 8, 2025 - Final
Total Number of Samples in this Report: 36
ODM Batch Number(s): 3475

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518536	3	C	15	15	2		6	8		1	No sulphides.
	5	C	25	25	5	2	1	8		6	
	8	C	25	50			1	1		2	
	10	C	50	50	1			1		6	
								18	32.8	15	
K518537	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25		1	2	3		2	
	8	C	25	50	3			3		6	
	10	C	25	75	1			1		4	
	10	C	50	50		1		1		6	
								9	34.4	18	
K518538	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	1		1	2		2	
								3	27.2	2	
K518539	5	C	25	25	1		1	2		2	No sulphides.
	10	C	50	50	1			1		6	
								3	32.0	8	
K518541	3	C	15	15		1	1	2		<1	No sulphides.
	5	C	25	25		2		2		1	
								4	33.6	2	
K518542	3	C	15	15	3		25	28		5	No sulphides.
	5	C	25	25	5	3	25	33		26	
	8	C	25	50	2		8	10		24	
	10	C	25	75			1	1		5	
	10	C	50	50			1	1		6	
	13	C	50	75			1	1		12	
	15	C	50	100			1	1		18	
	15	C	75	75			1	1		21	
	20	C	100	100			2	2		97	
								78	30.8	214	
K518543	3	C	15	15			6	6		1	No sulphides.
	5	C	25	25	1	1		2		1	
	10	C	25	75	1			1		4	
	10	C	50	50	2			2		11	
	18	C	75	100	1			1		28	
	75	M	100	250	2			2		808	
								14	34.8	854	
K518544	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1			1		2	
	13	C	50	75	1			1		11	
								4	32.4	14	
K518545	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	1		1	2		2	
	10	C	50	50	1			1		6	
								4	31.6	8	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243475 - Barrick Gold - WaWa - (Gold) - Jan 8, 2025 - Final
Total Number of Samples in this Report: 36
ODM Batch Number(s): 3475

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518546	3	C	15	15			1	1		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1		1	2		4	
	10	C	25	75	1			1		4	
	15	C	50	100	1			1		16	
	75	M	250	250	1			1		988	
								7	35.6	1012	
K518547	3	C	15	15		1		1		<1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1	1		2		5	
								4	32.0	5	
K518617	3	C	15	15	1	1		2		<1	No sulphides.
	5	C	25	25	4			4		3	
	15	C	50	100	2			2		30	
								8	38.0	33	
K518618	3	C	15	15	1		1	2		<1	No sulphides.
	5	C	25	25	2	1	3	6		5	
	8	C	25	50			1	1		2	
	10	C	50	50	2			2		13	
	25	C	100	150		1		1		95	
								12	29.2	116	
K518619	3	C	15	15	2			2		<1	No sulphides.
	5	C	25	25	3	1		4		4	
	8	C	25	50		1		1		3	
	13	C	50	75	1			1		13	
	25	C	100	150	1			1		104	
								9	26.8	124	
K518620	5	C	25	25	3			3		2	No sulphides.
								3	33.2	2	
K518621	8	C	25	50	1			1		3	No sulphides.
								1	22.4	3	
K518622	No Visible Gold										No sulphides.
K518623	No Visible Gold										No sulphides.
K518624	5	C	25	25	4	1		5		4	No sulphides.
	8	C	25	50	1			1		2	
	18	C	75	100		1		1		32	
	20	C	75	125	1			1		45	
								8	31.2	83	
K518625	5	C	25	25	4		1	5		4	No sulphides.
	8	C	25	50	1		2	3		7	
								8	33.2	10	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243475 - Barrick Gold - WaWa - (Gold) - Jan 8, 2025 - Final
Total Number of Samples in this Report: 36
ODM Batch Number(s): 3475

Sample Number	Dimensions (µm) Thickness		Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
K518627	3	C	15	15	1		1	2		<1	No sulphides.
	5	C	25	25		1	1	2		2	
	10	C	25	75			1	1		4	
	13	C	50	75			1	1		11	
								6	32.4	17	
K518628	10	C	25	75			1	1		5	No sulphides.
	15	C	75	75	1			1		24	
	22	C	100	125	1			1		77	
								3	27.2	106	
K518629	3	C	15	15	1	1		2		<1	No sulphides.
	10	C	25	75	1			1		7	
	15	C	75	75	1			1		30	
								4	21.6	37	
K518631	3	C	15	15	1		2	3		1	No sulphides.
	5	C	25	25	1			1		1	
	8	C	25	50	1	1		2		5	
								6	31.6	6	
K518632	No Visible Gold										No sulphides.
K518633	5	C	25	25	1			1		1	No sulphides.
	15	C	50	100		1		1		18	
								2	32.0	19	
K518634	8	C	25	50	1			1		2	No sulphides.
								1	34.8	2	
K518635	5	C	25	25	4	1	2	7		5	No sulphides.
	8	C	25	50	4	2		6		13	
	10	C	25	75	1			1		4	
	10	C	50	50	4			4		22	
	13	C	50	75	1			1		10	
	18	C	75	100	1			1		28	
	22	C	100	125	1			1		60	
	25	M	125	150		1		1		101	
								22	34.8	244	
K518636	3	C	15	15			3	3		<1	No sulphides.
	5	C	25	25	4			4		3	
	8	C	25	50		1	1	2		4	
	10	C	25	75			1	1		4	
	10	C	50	50	2			2		10	
	13	C	50	75	4		1	5		48	
	15	C	50	100	2			2		30	
	18	C	75	100		1		1		26	
	20	C	75	125	1	1		2		75	
	25	M	150	150		1		1		112	
								23	37.6	312	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Barrick Gold Corporation
File Name: 20243475 - Barrick Gold - WaWa - (Gold) - Jan 8, 2025 - Final
Total Number of Samples in this Report: 36
ODM Batch Number(s): 3475

Sample Number	Dimensions (µm)			Number of Visible Gold Grains				Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
	Thickness	Width	Length	Reshaped	Modified	Pristine	Total			
K518637	3 C	15	15			1	1		<1	No sulphides.
	5 C	25	25	2			2		1	
	8 C	25	50	2	2		4		8	
	13 C	50	75	1	1		2		20	
	15 C	50	100	1			1		16	
	20 C	75	125	1			1		39	
	22 C	75	150	1			1		52	
							12	36.0	137	
K518638	3 C	15	15			2	2		<1	No sulphides.
	5 C	25	25		1	3	4		2	
	8 C	25	50		3		3		6	
	13 C	50	75	1	1		2		18	
							11	39.2	27	
K518639	3 C	15	15	2			2		<1	No sulphides.
	5 C	25	25			2	2		2	
	8 C	25	50			2	2		5	
	10 C	50	50	1			1		7	
	13 C	50	75	1			1		12	
	15 C	75	75		1		1		22	
	18 C	75	100		1		1		34	
	20 C	100	100		1		1		51	
	50 M	100	150		1		1		193	
	25 M	150	175		1		1		169	
							13	29.2	494	
K518641	3 C	15	15			1	1		<1	No sulphides.
	8 C	25	50	1		1	2		4	
	13 C	50	75		1		1		11	
	18 C	75	100		1		1		30	
	20 C	100	100		1		1		46	
	50 M	100	150		1		1		171	
							7	32.8	263	
K518642	3 C	15	15	1			1		<1	No sulphides.
	5 C	25	25	4	2		6		6	
	8 C	25	50		3		3		9	
	10 C	25	75		3		3		17	
	13 C	25	100	1			1		10	
	10 C	50	50		3		3		23	
	13 C	50	75		1		1		14	
	25 M	50	150			1	1		57	
	15 C	75	75		1		1		26	
	18 C	75	100			1	1		40	
							21	24.8	202	
K518643	3 C	15	15			1	1		<1	No sulphides.
	5 C	25	25	3	2	1	6		4	
	8 C	25	50			1	1		2	
	10 C	25	75		1		1		4	
	10 C	50	50		1	1	2		12	
	50 M	100	150		1		1		171	
							12	32.8	194	
K518644	5 C	25	25	1	2	4	7		4	No sulphides.
	8 C	25	50	1			1		2	
							8	38.4	6	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Appendix K – Abbreviations

Appendix K – Abbreviations

LiDAR – Laser imaging, detection, and ranging

DEM – Digital elevation model

CLLDZ – Cadillac Larder Lake Deformation Zone

PGE – Platinum group elements

Oz – ounces

Oz/t – ounces per ton

G – grams

g/t – grams per ton

EM – electromagnetic

VLF EM – very low frequency electromagnetic

IP – induced polarization

DDH – diamond drill holes

Kg – kilograms

M – meters

Mm – millimeters

Cm – centimeters

µm - micrometers

Km – kilometers

Ppm – parts per million

Ppb – parts per billion

AFRI – Assessment File Report

GPS – geographic positioning system

OGS – Ontario Geological Survey

REE – Rare earth elements (H – heavy, L – light)

N-MORB – normalized to mid ocean ridge basalts

QSP – quartz-sericite-pyrite

Appendix L – AFRI List

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
42A01SE8927	1949 - 1949	Preston East Dome Mines		Eby	Geological Survey / Mapping
42A01SW0102	1950 - 1950	Preston East Dome Mines		Eby	Assaying and Analyses, Diamond Drilling
20000005000	1951 - 1951	Dominion Gulf Co		Cairo	Bedrock Trenching, Geological Survey / Mapping, Linecutting, Magnetic / Magnetometer Survey, Overburden Stripping
41P15NE8366	1965 - 1965	Siscoe Metals of Ontario Ltd		Cairo	Magnetic / Magnetometer Survey
41P15NE8366	1965 - 1965	Siscoe Metals of Ontario Ltd		Cairo	Magnetic / Magnetometer Survey
42A01SE0210	1972 - 1972	Noranda Exploration Co Ltd		Eby	Electromagnetic, Magnetic / Magnetometer Survey
41P15NE8358	1974 - 1974	F J Garbutt		Cairo	Magnetic / Magnetometer Survey
41P15NE8359	1974 - 1974	F J Garbutt		Cairo	Geochemical
42A01SE0209	1974 - 1974	Noranda Exploration Co Ltd		Eby	Geochemical, Geological Survey / Mapping
41P15NE8357	1974 - 1974	Ecstall Mining Ltd		Cairo	Magnetic / Magnetometer Survey
42A01SW8372	1975 - 1975	Noranda Exploration Co Ltd		Flavelle	Geological Survey / Mapping
41P15NE8352	1975 - 1975	Texasgulf Canada Ltd		Cairo	Diamond Drilling
41P15NE8354	1975 - 1975	Texasgulf Canada Ltd		Cairo	Diamond Drilling
41P15NE8256	1975 - 1975	F J Garbutt, Texasgulf Canada Ltd		Powell	Electromagnetic Very Low Frequency
42A02SE0280	1975 - 1975	Majestic Wiley Contractors Ltd		Cairo	Geochemical, Geological Survey / Mapping
42A02SE0279	1975 - 1975	Majestic Wiley Contractors Ltd		Cairo	Geochemical
42A02SE0278	1976 - 1976	Majestic Wiley Contractors Ltd		Cairo	Geological Survey / Mapping
42A02SE0266	1976 - 1976	G Welsh		Flavelle	Magnetic / Magnetometer Survey
42A02SE0266	1976 - 1976	G Welsh		Flavelle	Magnetic / Magnetometer Survey
42A02SE0020	1977 - 1977	H King, R Sheedy		Holmes	Electromagnetic, Overburden Stripping
42A02SE0014	1977 - 1977	R Sheedy, R Sheedy & H King		Holmes	Diamond Drilling, Miscellaneous Compilation and Interpretation
42A02SE8415	1977 - 1977	H King, R Sheedy		Alma	Electromagnetic
42A02SE8413	1977 - 1978	R Sheedy		Alma	Assaying and Analyses, Bedrock Trenching, Electromagnetic, Geological Survey / Mapping, Overburden Stripping
42A02SE8874	1978 - 1978	Minorex Ltd		Holmes	Diamond Drilling
42A02SE0017	1978 - 1978	Minorex Ltd		Holmes	Assaying and Analyses, Diamond Drilling, Electromagnetic, Overburden Stripping
31D16SW8534	1979 - 1979	Mountainview Expl Inc		Cavendish	Compilation and Interpretation - Diamond Drilling, Magnetic / Magnetometer Survey, Radiometric
42A02SE8907	1980 - 1980	R Sheedy		Alma	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey, Self Potential
42A01SE0207	1980 - 1980	Lacana Mining Corp		Eby	Electromagnetic
42A02SE0115	1980 - 1980	H King, R Sheedy		Alma	Electromagnetic Very Low Frequency
42A02SE0275	1981 - 1981	Pamour Porcupine Mines		Cairo	Assaying and Analyses, Geological Survey / Mapping
42A02SE0274	1982 - 1982	Pamour Porcupine Mines		Cairo	Electromagnetic Very Low Frequency

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
42A02SE0273	1983 - 1983	Pamour Porcupine Mines		Cairo	Geological Survey / Mapping, Magnetic / Magnetometer Survey, Miscellaneous Compilation and Interpretation
42A01SW0350	1984 - 1984	J Panes		Gross	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey
42A02SE0264	1985 - 1985	G Bastarache		Flavelle	Geological Survey / Mapping
42A01SW0061	1985 - 1985	Rio Algom Exploration Inc		Holmes	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey
42A01SW8922	1985 - 1985	Billiton Canada Ltd		Eby	Airborne Magnetometer
41P15NE8325	1985 - 1985	Falconbridge Ltd		Cairo	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42A02SE0109	1985 - 1985	Northclaim Resources Inc		Alma	Diamond Drilling
42A01SE0191	1985 - 1985	A Perron		Eby	Geological Survey / Mapping
42A01SW0056	1986 - 1986	Falconbridge Ltd		Holmes	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Gradiometer, Airborne Magnetometer
42A01SW0056	1986 - 1986	Falconbridge Ltd		Holmes	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Gradiometer, Airborne Magnetometer
41P15NE8321	1986 - 1986	G Bernatchez, R A Bernatchez		Cairo	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
41P15NE8315	1987 - 1987	Ressources Kimex Inc		Cairo	Assaying and Analyses, Geochemical, Geological Survey / Mapping
42A01SE8918	1987 - 1987	A H Perron		Eby	Electromagnetic Very Low Frequency, Geological Survey / Mapping, Magnetic / Magnetometer Survey
42A01SE8918	1987 - 1987	A H Perron		Eby	Electromagnetic Very Low Frequency, Geological Survey / Mapping, Magnetic / Magnetometer Survey
41P15NE8315	1987 - 1987	Ressources Kimex Inc		Cairo	Assaying and Analyses, Geochemical, Geological Survey / Mapping
42A01SE8918	1987 - 1987	A H Perron		Eby	Electromagnetic Very Low Frequency, Geological Survey / Mapping, Magnetic / Magnetometer Survey
41P15NE8318	1987 - 1987	Biralger Resources Ltd		Cairo	Geochemical, Geological Survey / Mapping, Miscellaneous Compilation and Interpretation
42A02SE0106	1988 - 1988	Actuate Resources Ltd		Alma	Magnetic / Magnetometer Survey
42A01SW0351	1988 - 1988	Ressources Hysoex Inc		Gross	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
41P15NE8609	1988 - 1988	Ressources Kimex Inc		Cairo	Geochemical
42A01SW8926	1988 - 1988	Ressources Halex Inc		Eby	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42A01SW0012	1988 - 1988	Ressources Halex Inc		Eby	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Airborne Resistivity
41P15NE8371	1988 - 1988	Gold Fields Canadian Mining Ltd, R Dufresne		Flavelle	Assaying and Analyses, Geochemical, Other
41P15NE8608	1988 - 1988	Kimex Resources Inc		Cairo	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey
42A02SE0257	1989 - 1989	Placer Dome Ltd		Flavelle	Assaying and Analyses, Other
42A02SE0257	1989 - 1989	Placer Dome Ltd		Flavelle	Assaying and Analyses, Other
42A02SE0103	1989 - 1989	R Dufresne		Alma	Assaying and Analyses
42A02SE0103	1989 - 1989	R Dufresne		Alma	Assaying and Analyses
42A02SE0103	1989 - 1989	R Dufresne		Alma	Assaying and Analyses
42A02SE0257	1989 - 1989	Placer Dome Ltd		Flavelle	Assaying and Analyses, Other
42A02SE0257	1989 - 1989	Placer Dome Ltd		Flavelle	Assaying and Analyses, Other
42A02SE0001	1989 - 1990	Sutton-Hanson		Holmes	Assaying and Analyses, Bedrock Trenching, Geochemical, Geological Survey / Mapping, Induced Polarization, Magnetic / Magnetometer Survey
42A02SE8500	1990 - 1990	D Chartre, R Dufresne		Flavelle	Assaying and Analyses
42A02SE0256	1990 - 1990	Queenston Mining Inc		Flavelle	Electromagnetic Very Low Frequency
42A02SE0253	1990 - 1990	R Dufresne		Flavelle	Assaying and Analyses
42A02SE0253	1990 - 1990	R Dufresne		Flavelle	Assaying and Analyses
42A02SE0101	1991 - 1991	Biralger Resources Ltd		Cairo	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42A02SE0025	1991 - 1991	D Chartre, R Dufresne		Flavelle	Assaying and Analyses, Bedrock Trenching, Overburden Stripping
42A02SE0254	1991 - 1991	Queenston Grp		Flavelle	Diamond Drilling, Geochemical
42A02SE8901	1991 - 1991	Biralger Resources Ltd		Cairo	Other
42A01SW0003	1991 - 1991	D Mccormack		Burt	Assaying and Analyses, Geological Survey / Mapping, Open Cutting, Prospecting By Licence Holder
42A02SE0250	1991 - 1991	D Chartre, R Dufresne		Flavelle	Assaying and Analyses, Manual Labour, Overburden Stripping
42A02SE0254	1991 - 1991	Queenston Grp		Flavelle	Diamond Drilling, Geochemical
42A02SE8901	1991 - 1991	Biralger Resources Ltd		Cairo	Other
42A02SE0254	1991 - 1991	Queenston Grp		Flavelle	Diamond Drilling, Geochemical
42A02SE8901	1991 - 1991	Biralger Resources Ltd		Cairo	Other

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
42A01SW0003	1991 - 1991	D Mccormack		Burt	Assaying and Analyses, Geological Survey / Mapping, Open Cutting, Prospecting By Licence Holder
42A02SE0025	1991 - 1991	D Chartre, R Dufresne		Flavelle	Assaying and Analyses, Bedrock Trenching, Overburden Stripping
42A02SE8901	1991 - 1991	Biralger Resources Ltd		Cairo	Other
41P15NE8370	1991 - 1991	Biralger Resources Ltd		Cairo	Diamond Drilling, Geochemical
41P15NE8296	1991 - 1991	Biralger Resources Ltd		Cairo	Electromagnetic Very Low Frequency, Geological Survey / Mapping, Magnetic / Magnetometer Survey
42A02SE8901	1991 - 1991	Biralger Resources Ltd		Cairo	Other
42A02SE0250	1991 - 1991	D Chartre, R Dufresne		Flavelle	Assaying and Analyses, Manual Labour, Overburden Stripping
42A01SW0023	1991 - 1992	Biralger Resources Ltd		Holmes	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Airborne Resistivity, Assaying and Analyses, Compilation and Interpretation - Diamond Drilling, Electromagnetic Very Low Frequency, Geological Survey / Mapping*
42A01SW0023	1991 - 1992	Biralger Resources Ltd		Holmes	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Airborne Resistivity, Assaying and Analyses, Compilation and Interpretation - Diamond Drilling, Electromagnetic Very Low Frequency, Geological Survey / Mapping*
42A01SW0023	1991 - 1992	Biralger Resources Ltd		Holmes	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Airborne Resistivity, Assaying and Analyses, Compilation and Interpretation - Diamond Drilling, Electromagnetic Very Low Frequency, Geological Survey / Mapping*
42A01SW0023	1991 - 1992	Biralger Resources Ltd		Holmes	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Airborne Resistivity, Assaying and Analyses, Compilation and Interpretation - Diamond Drilling, Electromagnetic Very Low Frequency, Geological Survey / Mapping*
41P15NE8702	1992 - 1992	Biralger Resources Ltd		Cairo	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
42A01SE0093	1992 - 1992	Nick Rigas		Eby	Assaying and Analyses, Overburden Stripping, Prospecting By Licence Holder
42A16SE0004	1992 - 1993	Greater Lenora Resources Corp		Chesney Bay Area	Assaying and Analyses, Compilation and Interpretation - Airborne Geophysics, Compilation and Interpretation - Diamond Drilling, Diamond Drilling, Electromagnetic, Geochemical, Geological Survey / Mapping, Magnetic / Magnetometer Survey, Manual Labour, O*
42A16SE0004	1992 - 1993	Greater Lenora Resources Corp		Chesney Bay Area	Assaying and Analyses, Compilation and Interpretation - Airborne Geophysics, Compilation and Interpretation - Diamond Drilling, Diamond Drilling, Electromagnetic, Geochemical, Geological Survey / Mapping, Magnetic / Magnetometer Survey, Manual Labour, O*
42A02SE2001	1993 - 1994	Michael Sutton, Michael W Sutton		Holmes	Assaying and Analyses, Compilation and Interpretation - Diamond Drilling, Magnetic / Magnetometer Survey, Open Cutting
42A02SE0029	1994 - 1994	D Chartre, R Dufresne		Flavelle	Assaying and Analyses, Bedrock Trenching, Diamond Drilling, Electromagnetic Very Low Frequency, Open Cutting, Prospecting By Licence Holder
42A02SE0029	1994 - 1994	D Chartre, R Dufresne		Flavelle	Assaying and Analyses, Bedrock Trenching, Diamond Drilling, Electromagnetic Very Low Frequency, Open Cutting, Prospecting By Licence Holder
42A01SW0006	1994 - 1994	WMC International Ltd		Burt	Assaying and Analyses, Diamond Drilling
42A02SE0038	1995 - 1995	Denis Chartre, Roger Dufresne		Flavelle	Assaying and Analyses, Compilation and Interpretation - Ground Geophysics, Geochemical, Geological Survey / Mapping, Manual Labour, Overburden Stripping, Prospecting By Licence Holder
42A02SE0038	1995 - 1995	Denis Chartre, Roger Dufresne		Flavelle	Assaying and Analyses, Compilation and Interpretation - Ground Geophysics, Geochemical, Geological Survey / Mapping, Manual Labour, Overburden Stripping, Prospecting By Licence Holder
42A02SE0018	1995 - 1995	M Sutton		Holmes	Magnetic / Magnetometer Survey, Open Cutting
42A01SW0015	1996 - 1996	Inmet Mining Corp		Burt	Induced Polarization, Magnetic / Magnetometer Survey

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
42A02SE0054	1996 - 1996	Denis Chartre, Roger Dufresne		Holmes	Assaying and Analyses, Mechanical, Overburden Stripping, Prospecting By Licence Holder
42A02SE0044	1996 - 1996	Inmet Mining Corp		Flavelle	Assaying and Analyses, Geological Survey / Mapping, Overburden Stripping
42A01SW0017	1996 - 1996	Inmet Mining Corp		Holmes	Compilation and Interpretation - Ground Geophysics
42A01SW0017	1996 - 1996	Inmet Mining Corp		Holmes	Compilation and Interpretation - Ground Geophysics
42A02SE0044	1996 - 1996	Inmet Mining Corp		Flavelle	Assaying and Analyses, Geological Survey / Mapping, Overburden Stripping
42A02SE0056	1997 - 1997	Inmet Mining Corp		Flavelle	Assaying and Analyses, Diamond Drilling, Geological Survey / Mapping, Manual Labour
42A02SE0056	1997 - 1997	Inmet Mining Corp		Flavelle	Assaying and Analyses, Diamond Drilling, Geological Survey / Mapping, Manual Labour
42A02SE2003	1997 - 1997	Aquistar Ventures Corp		Holmes	Magnetic / Magnetometer Survey, Open Cutting
42A02SE0052	1997 - 1997	Aquistar Ventures Corp		Holmes	Gradiometric, Induced Polarization, Open Cutting, Resistivity
41P15NE2003	1997 - 1997	Inmet Mining Corp		Flavelle	Assaying and Analyses, Compilation and Interpretation - Diamond Drilling, Diamond Drilling
42A02SE0056	1997 - 1997	Inmet Mining Corp		Flavelle	Assaying and Analyses, Diamond Drilling, Geological Survey / Mapping, Manual Labour
42A02SE0056	1997 - 1997	Inmet Mining Corp		Flavelle	Assaying and Analyses, Diamond Drilling, Geological Survey / Mapping, Manual Labour
42A01SW0018	1997 - 1997	Bice Ventures Corp		Holmes	Electromagnetic, Induced Polarization, Magnetic / Magnetometer Survey, Open Cutting
42A02SE2007	1998 - 1998	Bice Ventures Corp		Flavelle	Assaying and Analyses, Diamond Drilling
42A02SE2009	1998 - 1998	Bice Ventures Corp		Holmes	Induced Polarization, Open Cutting
42A02SE2007	1998 - 1998	Bice Ventures Corp		Flavelle	Assaying and Analyses, Diamond Drilling
31M04SW2018	1998 - 1998	Richard Rintala		Chambers	Geochemical, Open Cutting, Prospecting By Licence Holder
42A01SW2004	1998 - 1998	Inmet Mining Corp		Flavelle	Electromagnetic Very Low Frequency, Open Cutting
42A01SW2016	2001 - 2001	Falconbridge Ltd		Gross	Prospecting By Licence Holder
42A01SW2015	2001 - 2001	Falconbridge Ltd		Flavelle	Electromagnetic, Magnetic / Magnetometer Survey
42A01SW2020	2002 - 2002	Denis Chartre, Roger Dufresne		Flavelle	Assaying and Analyses, Bedrock Trenching, Overburden Stripping
42A01SW2020	2002 - 2002	Denis Chartre, Roger Dufresne		Flavelle	Assaying and Analyses, Bedrock Trenching, Overburden Stripping

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
20000000318	2003 - 2003	Brigadier Gold Ltd		Flavelle	Linecutting, Magnetic / Magnetometer Survey
20000000318	2003 - 2003	Brigadier Gold Ltd		Flavelle	Linecutting, Magnetic / Magnetometer Survey
20000000318	2003 - 2003	Brigadier Gold Ltd		Flavelle	Linecutting, Magnetic / Magnetometer Survey
20000000318	2003 - 2003	Brigadier Gold Ltd		Flavelle	Linecutting, Magnetic / Magnetometer Survey
20000000315	2004 - 2004	Brigadier Gold Ltd		Flavelle	Induced Polarization
20000000315	2004 - 2004	Brigadier Gold Ltd		Flavelle	Induced Polarization
20000000813	2004 - 2005	Denis Chartre, Paul Jean Chartre, Roger Dufr	Chartre-Dufresne Property	Flavelle	Assaying and Analyses, Diamond Drilling, Geological Survey / Mapping
20000002516	2004 - 2006	John Peter Rapski	Lucky Irish Property	Flavelle	Assaying and Analyses, Microscopic Studies, Overburden Stripping
20000000858	2005 - 2005	Michael Wayne Kilbourne	Island 27 Gold Property	Burt	Assaying and Analyses, Diamond Drilling
20000001022	2005 - 2005	Terry A Link	Galer Lake Property	Alma	Geochemical
20000001730	2005 - 2006	Dianor Resources Inc, John Peter Rapski	RAP-126 Property	Flavelle	Diamond Drilling, Magnetic / Magnetometer Survey
20000001905	2005 - 2007	Arctic Star Diamond Corp, Tres-Or Resources		Black	Benefication Studies, Geological Survey / Mapping, Magnetic / Magnetometer Survey
20000001898	2005 - 2007	Southernera Diamonds Inc	Centenary Project	Banks	Geochemical, Linecutting, Magnetic / Magnetometer Survey, Prospecting By Licence Holder
20000002470	2005 - 2007	John Peter Rapski	Lucky Irish Property	Flavelle	Geochemical, Linecutting
20000002814	2005 - 2007	Tres-Os Res Ltd		Gross	Assaying and Analyses, Diamond Drilling, Downhole Geophysics
20000001986	2006 - 2007	Terry A Link	Galer Lake Fault Property	Alma	Geochemical
20000002588	2006 - 2007	John Rapski	Lucky Irish Property	Flavelle	Assaying and Analyses, Diamond Drilling, Other
20000000042	2007 - 2007	Golden Valley Mines Ltd	Island 27 Prospect	Flavelle	Induced Polarization, Linecutting, Magnetic / Magnetometer Survey
20000002115	2007 - 2007	Golden Valley Mines Ltd	Island 27 Prospect	Burt	Induced Polarization, Linecutting, Magnetic / Magnetometer Survey
20000002257	2007 - 2007	Golden Valley Mines Ltd	Island 27 Prospect	Burt	Induced Polarization, Magnetic / Magnetometer Survey
20000003665	2008 - 2008	John Peter Rapski		Burt	Assaying and Analyses, Overburden Stripping
20000005975	2008 - 2008	Golden Valley Mines Ltd	Island 27 Project	Holmes	Microscopic Studies
20000003475	2008 - 2008	Golden Valley Mines Ltd	Island 27 Prospect	Burt	Assaying and Analyses, Diamond Drilling
20000003510	2008 - 2008	John Peter Rapski	Lucky Irish Property	Flavelle	Assaying and Analyses, Diamond Drilling
20000003328	2008 - 2008	John Peter Rapski		Cairo	Assaying and Analyses, Overburden Stripping
20000003538	2008 - 2008	John Peter Rapski	Lucky Irish Property	Flavelle	Diamond Drilling

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
20000003651	2008 - 2008	Terry A Link	Galer Lake Fault Property	Alma	Assaying and Analyses, Geochemical
20000003980	2008 - 2009	John Peter Rapski	South Zone	Gross	Assaying and Analyses, Overburden Stripping
20000004433	2008 - 2009	Alexandria Minerals Corp, Caramax Exploratio		Cairo	Assaying and Analyses, Diamond Drilling
20000005765	2008 - 2010	Brigadier Gold Ltd, Denis Jean Chartre, Roge	Flavelle Property	Flavelle	Assaying and Analyses, Diamond Drilling
20000004774	2009 - 2010	John Rapski	Lucky Irish Property	Flavelle	Diamond Drilling
20000004594	2009 - 2010	John Peter Rapski	Lucky Irish Property	Gross	Assaying and Analyses, Overburden Stripping
20000004594	2009 - 2010	John Peter Rapski	Lucky Irish Property	Gross	Assaying and Analyses, Overburden Stripping
20000006739	2009 - 2010	John Peter Rapski	Lucky Irish Property	Flavelle	Assaying and Analyses, Bedrock Trenching, Diamond Drilling, Overburden Stripping
20000005760	2010 - 2010	John Peter Rapski	Kirkland Lake Project	Flavelle	Diamond Drilling
20000005940	2010 - 2010	Terry Link	Galer Lake Fault Property	Alma	Assaying and Analyses, Geochemical
20000005941	2010 - 2010	Terry Link	Galer Lake Fault Property	Alma	Overburden Stripping
20000014909	2010 - 2011		Flavelle Property	Holmes	Assaying and Analyses, Diamond Drilling
20000007478	2010 - 2011	West Kirkland Mining Inc	Golden Valley Island 27 Property	Holmes	Diamond Drilling
20000007618	2010 - 2011	Golden Valley Mines Ltd		Burt	Diamond Drilling
20000006945	2010 - 2011	John Peter Rapski	Highway 66 Project-Lucky Irish Property	Gross	Electromagnetic Very Low Frequency, Linecutting, Magnetic / Magnetometer Survey
20000007683	2010 - 2011	Golden Valley Mines Ltd, John Peter Rapski	Island 27 Property	Burt	Diamond Drilling
20000007683	2010 - 2011	Golden Valley Mines Ltd, John Peter Rapski	Island 27 Property	Burt	Diamond Drilling
20000007683	2010 - 2011	Golden Valley Mines Ltd, John Peter Rapski	Island 27 Property	Burt	Diamond Drilling
20000008925	2010 - 2012	Sharon Ann Cunningham, Terry Arnold Link	Cunningham Property	Holmes	Diamond Drilling
20000009194	2010 - 2012	Golden Valley Mines Ltd		Burt	Diamond Drilling
20000008925	2010 - 2012	Sharon Ann Cunningham, Terry Arnold Link	Cunningham Property	Holmes	Diamond Drilling
20000006744	2011 - 2011	Golden Valley Mines Ltd	Golden Valley Property	Burt	Assaying and Analyses, Diamond Drilling
20000007692	2011 - 2011	John Peter Rapski	Burt Property	Burt	Diamond Drilling
20000007688	2011 - 2011	West Kirkland Mining Inc	Claims 4252129, 4252130	Alma	Diamond Drilling
20000009010	2011 - 2012	West Kirkland Mining Inc		Alma	Assaying and Analyses, Diamond Drilling
20000007445	2011 - 2012	Golden Valley Mines Ltd, John Peter Rapski	The Golden Valley Property	Burt	Assaying and Analyses, Diamond Drilling
20000007445	2011 - 2012	Golden Valley Mines Ltd, John Peter Rapski	The Golden Valley Property	Burt	Assaying and Analyses, Diamond Drilling
20000008373	2012 - 2012	John Peter Rapski	Lucky Irish Property	Gross	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey
20000008478	2012 - 2012	John Peter Rapski	Rapski Property	Burt	Assaying and Analyses, Geological Survey / Mapping, Prospecting By Licence Holder
20000008372	2012 - 2013	John Peter Rapski	Lucky Irish Property	Burt	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey
20000014820	2012 - 2014	John Rapski	Lucky Irish Property	Flavelle	Diamond Drilling, Geological Survey / Mapping, Overburden Stripping

Appendix L. AFRI List					
AFRI ID	**Year (s)**	**Company**	**Property Name *(if Applicable)***	**Township**	**Work Types**
20000007954	2013 - 2013	John Rapski	Lucky Irish Property	Gross	Assaying and Analyses, Geological Survey / Mapping, Soil/Till Sampling
20000007954	2013 - 2013	John Rapski	Lucky Irish Property	Gross	Assaying and Analyses, Geological Survey / Mapping, Soil/Till Sampling
20000008546	2014 - 2014	Golden Valley Mines Ltd	Island 27 Prospect	Burt	Magnetic / Magnetometer Survey
20000008546	2014 - 2014	Golden Valley Mines Ltd	Island 27 Prospect	Burt	Magnetic / Magnetometer Survey
20000014447	2014 - 2015	John Rapski	Lucky Irish Property	Flavelle	Assaying and Analyses, Diamond Drilling
20000008598	2015 - 2015	Alexandria Minerals Corp, Carmax Mining Co	Matachewan Project	Flavelle	Magnetic / Magnetometer Survey
20000013908	2016 - 2016	Golden Valley Mines Ltd	Island 27 Prospect	Holmes	Assaying and Analyses, Soil/Till Sampling
20000014432	2016 - 2016	Prosper Gold Corp	Ashley/Wydee and Matachewan Claims	Argyle	Airborne Electromagnetic, Airborne Gravity, Airborne Magnetometer, Airborne Radiometric
20000015097	2017 - 2017	Golden Valley Mines Ltd	Island 27 Prospect	Holmes	Geochemical, Soil/Till Sampling
20000021242	2022 - 2022	John Peter Rapski	Lucky Irish Property	Gross	Assaying and Analyses, Geological Survey / Mapping, Prospecting By Licence Holder, Soil/Till Sampling
20000021522	2023 - 2023	John Rapski	Lucky Irish Property	Flavelle	Assaying and Analyses, Soil/Till Sampling
20000021556	2023 - 2023	John Rapski	Lucky Irish Property	Flavelle	Assaying and Analyses, Soil/Till Sampling
20000021619	2023 - 2023	John Peter Rapski	Flavelle North Grid, Lucky Irish Property	Flavelle	Assaying and Analyses, Soil/Till Sampling