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ASSESSMENT REPORT

Miller Gold Property, Kirkland Lake, Ontario
2021 Surface Exploration

Boston, Catharine, McElroy and Pacaud Townships

Prepared for

Northstar Gold Corp.

Prepared By

Jeffrey Enright, M.Sc, P.Geo.
Ronacher McKenzie Geoscience Inc.

October 28, 2022

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1.0 SUMMARY

The Miller Gold Property is located in the Larder Lake Mining Division of Northeastern Ontario, 18 km south of Kirkland Lake and 5 km east of the village of Boston Creek within the Catharine, Pacaud, Boston and McElroy Townships. The Property consists of 85 contiguous, unpatented claim cells covering approximately 1,138 ha, and two Freehold Patents totaling 31.67 ha. Additionally, Northstar Gold signed an option agreement to acquire 100% interest in the 64 ha Searles Patent ("Searles Property") on June 8th, 2021

The Miller Gold Property is located within the Archean volcano sedimentary assemblage of rocks of the Western Abitibi Subprovince in the Superior Province. Metavolcanic rocks in the Property area of known age fall in the range of 2750 - 2700 Ma and are cut by an Algoman age granitic intrusion. Most of the metavolcanic rocks are of the Catharine Assemblage, which consists of mafic to intermediate volcanic rocks, subordinate pyroxene komatiite and minor felsic metavolcanic rocks. Ultramafic and mafic to intermediate intrusive rocks occur as stocks and sills emplaced into the metavolcanic rocks. Relatively undeformed, younger alkaline to calc-alkaline felsic intrusive rocks were emplaced into the metavolcanic rocks as irregular stocks and dykes, which include the Allied, West Allied, Planet, and Meilleur syenite intrusions. These named 'Syenite' intrusions were U/Pb on zircon dated at 2662±18 Ma and are highly altered from the leaching of quartz and addition of Na. These intrusions are an important spatial component of the Miller Gold Property geology and the location of the gold mineralization. Lamprophyre dykes cut all other units.

Numerous faults transect the predominately pillow, tholeiitic, mafic metavolcanic and supracrustal rocks. The most important faults are the north-west striking Pacaud Fault, Catharine Fault and east-northeast striking secondary faults, all of which displace the Assemblage units.

The Miller Gold Property hosts a large-scale hydrothermal system with indications of multi-stage and long-lived magmatic gold deposition associated with large scale intense metasomatism and pervasive alteration. The Catharine Fault Zone which crosscuts the Miller Gold Property is interpreted as a broad composite "first order structure" capable of channelling deep seated exsolved magmatic hydrothermal fluids into favourable sites of gold deposition, namely intrusive contacts and cross cutting second order structures.

Historically, the gold on the Property is known to be situated within both shallowly dipping and northeast striking, sub-vertical quartz veins along with northwest trending porphyritic dikes and syenite stocks hosted within the mafic volcanic rocks. Gold mineralization in the area commonly has a nuggety character and coarse texture occurring in native form or as tellurides and may or may not be associated with disseminated

pyrite. There is potential for the discovery and outline of a large gold resource on the Property beyond the scope of the high grade, but narrow, shallowly dipping quartz vein mineralization historically exploited to-date.

During 2021 Northstar Gold completed a surface exploration program consisting of stripping, geological mapping, channel sampling, and grab sampling to follow-up on positive historic and more recent drilling, to delineate open volumes of vein-hosted gold mineralization at surface, and to improve understanding of the Allied syenite and quartz veins in order to outline a geological gold resource.

The surface work occurred from July 27 to November 16. Stripping and washing were carried out on 9 areas, labelled A, B, C1, C2, D1, D2, D3, D4, and E. The stripping works were covered by exploration permit PR-19-000098. A total volume of 7597 m^3 of material was stripped from a total area of 7,342 m^2. Once exposed and washed, geological mapping and channel sampling of the stripped areas occurred. In total, 531 channel samples and 46 grab samples were collected and analyzed. The geological mapping and grab sampling was completed by Marina Schofield of Ronacher McKenzie Geoscience, while channel sampling was completed by Marc Gaudreau of Ronacher McKenzie Geoscience.

The 2021 program defined the surface geology proximal to the Allied Syenite and the broader No. 1 Vein Zone. The results confirmed the presence of high-grade auriferous domains associated with quartz veining proximal to the intrusive contacts between feldspar-porphyritic bodies and the surrounding basaltic rocks. Furthermore, the program uncovered a new gold-bearing area to the west of the known No. 1 Vein Zone, which may be associated with a northwest trending zone of deformation.

Based on the 2021 exploration results, further exploration on the Property is warranted. It is recommended to complete geological mapping of the remaining stripped areas, including areas D3, D4 and E. It is further recommended to complete a program of short drill holes that tests the mineralization proximal to the northwest trending feldspar-porphyry intrusives to help define the relationship between the intrusions and the structures that appear to control the auriferous quartz veins.

The coordinate system used in this report to locate the area of work UTM NAD 83, Zone 17N.

2.0 INTRODUCTION

In 2021, surface exploration work was performed on the Miller Gold Property in order to delineate open volumes of vein-hosted gold mineralization at surface and improve understanding of the Allied syenite and quartz veins in order to outline a geological gold resource. The exploration program was conducted and managed by George Pollock, Vice President Exploration, Northstar Gold Corp.

Ronacher McKenzie Geoscience Inc. ("Ronacher McKenzie") was contracted by Northstar Gold Corp. ("Northstar") of New Liskeard, Ontario, Canada to complete this 2021 Assessment Work ("Report") on the Miller Gold Property (the "Property"). The Report was prepared in accordance with the Technical Standards for Reporting Assessment Work under the Provisions of the Ontario Mining Act R.S.O. 1990 based upon the version 2, July 5 2018 guidelines.

The purpose of the Report is to serve as a compilation and interpretation report of the exploration work completed on the Miller Property during 2021. This report summarizes the results of the surface exploration work completed on the Property during 2021 and presents recommendations for future work based upon the results.

2.1 Terminology

Fire Assay: Fire assay is the method of choice for gold analysis. The procedure involves mixing an aliquot of the sample (e.g., 30 g or 50 g) with a flux agent (e.g., sodium borate, PbO) and a "collector" such as silver. The mixture is heated to ~1150 °C. The lead and silver settle to the bottom of the melt and the silver scavenges gold as it sinks. The lead and silver button are cupelled at 950 °C. The silver bead (which also contains gold) is dissolved and analyzed by atomic absorption or other techniques (http://actlabs.com).

Inquartation: Process whereupon the bead of silver or gold obtained by cupellation is squeezed between pliers, or flattened by a hammer on a clean anvil, to loosen the bone ash adhering to its lower surface, and is then cleaned by a brush of wires or stiff bristles

ICP-MS: Inductively Coupled Plasma - Mass Spectrometer: An instrument capable of determining the concentrations of 70+ elements simultaneously by measuring the mass of ions generated by an argon gas plasma heated to 10,000°K and passing through a magnetic quadrupole to the detector. Capable of ultra-

low detection limits (ppb to ppt) with very wide linear ranges (up to 7 orders of magnitude) (Acme Analytical Laboratories Ltd: www.acmelab.com).

Metallic Screen Analysis (ALS): A 1 kg sample is screened (usually to -106 µm or 140 mesh) to separate coarse Au particles from fine material. After screening, two aliquots of the fine fraction are analysed using traditional fire assay method. The fine fraction is expected to be reasonably homogeneous and well represented by the duplicate analyses. The entire coarse fraction is assayed to determine the contribti0on of coarse gold. Reported results include (1) both fine fraction assays, plus the mean of the results, (2) the coarse fraction Au assay, (3) weights of both fine and coarse fractions, (4) a "total" Au calculation for the 1 kg sample based on a weighted average of both fractions.

MNDM: Ontario Ministry of Northern Development and Mines

NSR: Net smelter return.

QA/QC: Quality Assurance/ Quality Control

2.2 Units

The Metric System is the primary system of measure and length used in this Report and is generally expressed in kilometres (km), metres (m) and centimetres (cm); volume is expressed as cubic metres (m^3), mass expressed as metric tonnes (t), area as hectares (ha), and gold and silver concentrations as grams per tonne (g/t). Conversions from the Metric System to the Imperial System are provided below and quoted where practical. Many of the geologic publications and more recent documents now use the Metric System but older documents almost exclusively refer to the Imperial System.

Conversion factors utilized in this report include:

- 1 troy ounce/ton = 34.285714 grams/tonne
- 1 gram/tonne = 0.029167 troy ounces/ton
- 1 troy ounce = 31.103477 grams
- 1 gram = 0.032151 troy ounces

The term gram/tonne or g/t is expressed as "gram per tonne" where 1 gram/tonne = 1 ppm (part per million) = 1000 ppb (part per billion). The mineral industry accepted terms Au g/t and g/t Au are substituted

for "grams gold per metric tonne" or "g Au/t". Other abbreviations include ppb = parts per billion; ppm = parts per million; oz/t = troy ounce per short ton; Moz = million ounces; Mt = million tonne; t = tonne (1000 kilograms); SG = specific gravity; lb/t = pound/ton; and, st = short ton (2000 pounds).

Dollars are expressed in Canadian currency (CAD$) unless otherwise noted. Gold (Au) and silver (Ag) are stated in US$ per troy ounce (US$/oz). Where quoted, Universal Transverse Mercator (UTM) coordinates are provided in the datum of Canada, NAD83, Zone 17 North.

2.3 Ronacher McKenzie Geoscience Qualifications

Ronacher McKenzie is a geosciences consulting company based in Sudbury and Toronto, Ontario, Canada providing a wide range of geological and geophysical services to the mineral industry. Ronacher McKenzie's professionals have international experience in a variety of disciplines with services that include:

- Exploration Project Generation, Design and Management
- Data Compilation and Exploration Target Generation
- Property Evaluation and Due Diligence Studies
- Independent Technical Reports (43-101) / Competent Person Reports
- Mineral Resource / Reserve Modelling, Estimation, Audit; Conditional Simulation
- 3D Geological Modelling, Visualization and Database Management

In addition, Ronacher McKenzie has access to the most current software for data management, interpretation and viewing, manipulation and target generation.

The primary Qualified Person and author for this Report is Jeffrey Enright, M.Sc., P.Geo of Ronacher McKenzie Geoscience and a geologist in good standing with the Association of Professional Geoscientists of Ontario (PGO #3237). Mr. Enright has worked in mineral exploration and mining since 2012 and has co-written several Assessment Reports. Mr. Enright is responsible for this report and did not visit the property. Certificate of Qualifications is provided in Appendix 1.

2.4 Location

The Property is located in the Larder Lake Mining Division of Northeastern Ontario 18 km south of Kirkland Lake and 5 km east of the village of Boston Creek at approximately 582800E and 5317700N, UTM Zone

17N NAD83 (Figure 2-1). The Property is located within the Catharine, Pacaud, Boston and McElroy Townships.

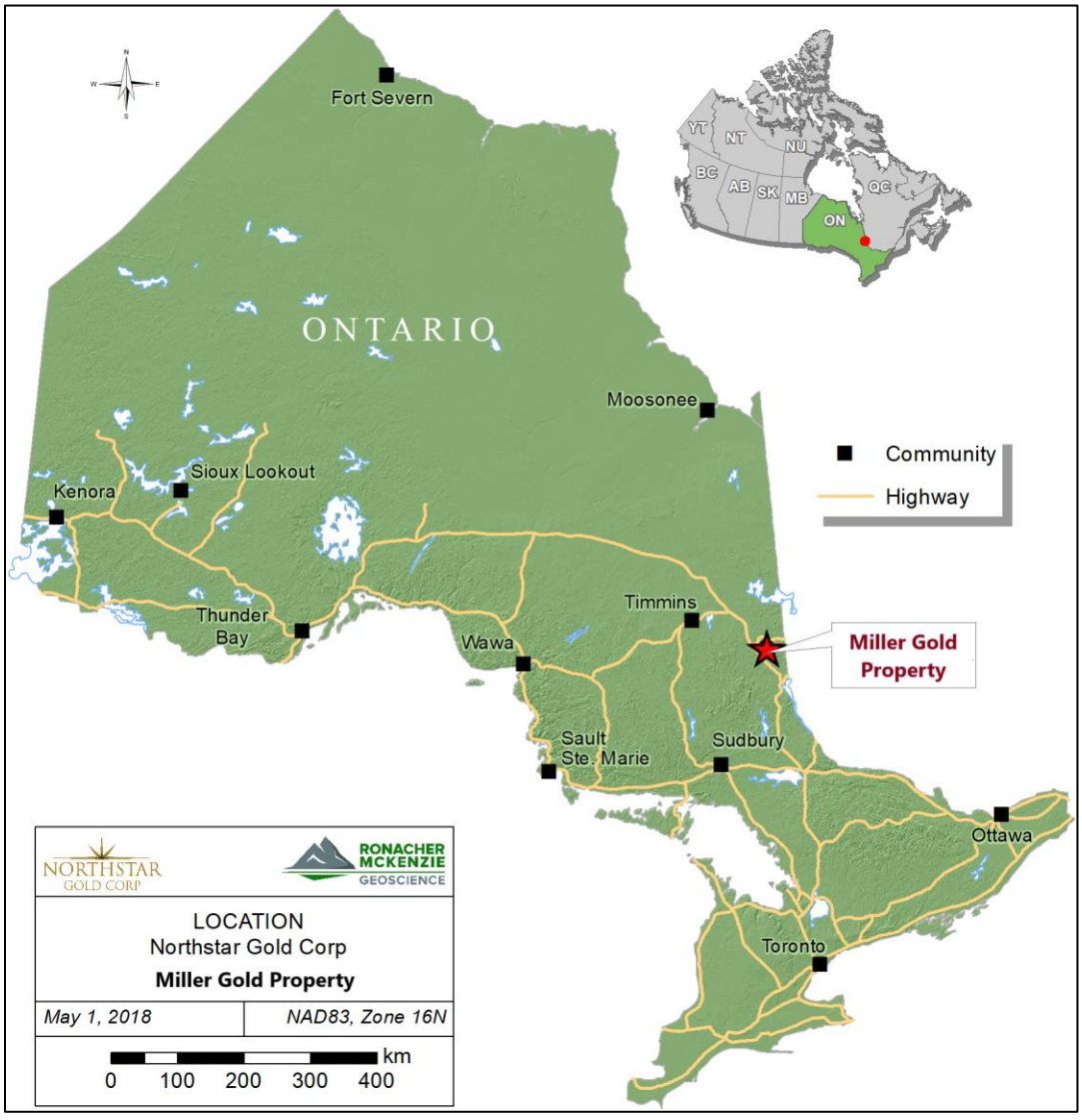

Figure 2-1: Location of the Miller Gold Property in northeastern Ontario.

2.5 Description and Ownership

The Property consists of 85 contiguous, unpatented cell claims in the Larder Lake Mining Division within the Catharine, Pacaud, Boston and McElroy Townships as shown on Figure 2-2 and listed in Table 2-1.

Twenty eight of the 85 cells are boundary cells and 57 are standard cells. The approximate area of the claims is 1,138 ha. All claim cells are 100% owned by Northstar Gold of 17 Wellington Street, New Liskeard, Ontario.

In addition, the Company also holds two Freehold Patents L17916 (PIN 61250-0076, Parcel 323SST) and L17917 (PIN 61250-0075, Parcel 322SST) with both mining and surface rights in the northwest corner of Catharine Township. Each patent has an area of 15.83 ha for a total of 31.67 ha. These patents are contiguous with the rest of the Property (Figure 2-2, Table 2-2). On June 21, 2021, Northstar announced the signing of an Option Agreement to acquire 100% interest in the 63.171 hectare Patent PAT-19350 (or "the Searles Property"), contingent on completion of the minimum required exploration expenditures and other agreed upon terms. This patent has mining rights only and is contiguous with the rest of the Property.

Surface rights for the mining claims are owned by the Crown, except for 14 SRO patents of which 12 are owned by third parties (Table 2-2). Northstar has legal access to the Miller Gold Property, but it is professional courtesy to notify surface rights owners before commencing an exploration program.

Table 2-1: Miller Gold Property mineral claims. All claims are held 100% by Northstar Gold Corp.

Tenure ID	Cell ID	Claim Type	Issue Date	Anniversary Date	Township
104073	32D04D335	Single Cell Mining Claim	10/04/2018	02/07/2028	BOSTON, PACAUD
104178	32D04D357	Single Cell Mining Claim	10/04/2018	05/06/2028	PACAUD
104774	32D04D300	Single Cell Mining Claim	10/04/2018	24/03/2028	MCELROY
105244	31M13L036	Single Cell Mining Claim	10/04/2018	23/07/2028	PACAUD
112751	32D04C301	Boundary Cell Mining Claim	10/04/2018	19/01/2028	MCELROY
118704	31M13L013	Single Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
119853	32D04D319	Single Cell Mining Claim	10/04/2018	24/03/2028	MCELROY
121833	32D04D337	Single Cell Mining Claim	10/04/2018	27/12/2028	BOSTON, PACAUD
122108	32D04D375	Boundary Cell Mining Claim	10/04/2018	24/12/2028	PACAUD
122109	32D04D373	Boundary Cell Mining Claim	10/04/2018	21/01/2028	PACAUD
122619	32D04D316	Single Cell Mining Claim	10/04/2018	27/12/2028	BOSTON
127907	32D04D277	Boundary Cell Mining Claim	10/04/2018	19/03/2028	BOSTON
133734	31M13K062	Single Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
134113	32D04D374	Single Cell Mining Claim	10/04/2018	05/03/2028	PACAUD
134971	31M13K003	Single Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
138975	32D04C361	Single Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE
139375	32D04D258	Boundary Cell Mining Claim	10/04/2018	19/03/2028	BOSTON
139376	32D04D257	Boundary Cell Mining Claim	10/04/2018	19/03/2028	BOSTON
143104	31M13K063	Boundary Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
150066	32D04D354	Single Cell Mining Claim	10/04/2018	21/01/2028	PACAUD
155915	32D04D278	Boundary Cell Mining Claim	10/04/2018	19/03/2028	BOSTON, MCELROY
156551	32D04D376	Boundary Cell Mining Claim	10/04/2018	24/12/2028	PACAUD
157230	31M13K023	Boundary Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
158346	32D04D339	Single Cell Mining Claim	10/04/2018	19/01/2028	MCELROY, CATHARINE

Tenure ID	Cell ID	Claim Type	Issue Date	Anniversary Date	Township
160446	31M13L014	Single Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
167008	32D04D394	Single Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
172394	32D04D280	Boundary Cell Mining Claim	10/04/2018	19/03/2028	MCELROY
172395	32D04C281	Boundary Cell Mining Claim	10/04/2018	19/03/2028	MCELROY
173038	32D04D379	Single Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE
179205	32D04D356	Single Cell Mining Claim	10/04/2018	02/07/2028	PACAUD
179206	32D04D355	Single Cell Mining Claim	10/04/2018	02/07/2028	PACAUD
179920	32D04D393	Single Cell Mining Claim	10/04/2018	16/10/2028	PACAUD
180581	32D04D296	Single Cell Mining Claim	10/04/2018	27/12/2028	BOSTON
182616	32D04D395	Boundary Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
182905	31M13L034	Single Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
185339	32D04D358	Single Cell Mining Claim	10/04/2018	26/06/2028	PACAUD, CATHARINE
186887	31M13L100	Single Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
187605	32D04C362	Single Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
189691	31M13K022	Single Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
190247	32D04D340	Single Cell Mining Claim	10/04/2018	26/06/2028	MCELROY, CATHARINE
190313	32D04C384	Boundary Cell Mining Claim	10/04/2018	11/03/2028	CATHARINE
191084	32D04D380	Single Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE
199810	32D04C363	Boundary Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
203783	32D04D360	Single Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE
215912	32D04D317	Single Cell Mining Claim	10/04/2018	27/12/2028	BOSTON
217965	31M13L017	Single Cell Mining Claim	10/04/2018	23/07/2028	PACAUD
225926	32D04D397	Single Cell Mining Claim	10/04/2018	24/12/2028	PACAUD
228645	32D04D299	Single Cell Mining Claim	10/04/2018	24/03/2028	MCELROY
237731	32D04D398	Single Cell Mining Claim	10/04/2018	05/06/2028	PACAUD
238342	31M13K043	Boundary Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
245624	31M13K082	Boundary Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
245625	31M13L120	Boundary Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
247074	31M13L033	Single Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
253709	31M13K061	Single Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
257030	31M13K002	Single Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
269762	32D04D336	Single Cell Mining Claim	10/04/2018	27/12/2028	BOSTON, PACAUD
281132	32D04D338	Single Cell Mining Claim	10/04/2018	05/06/2028	BOSTON, MCELROY, PACAUD, CATHARINE
282868	31M13L080	Boundary Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
282869	31M13K101	Boundary Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
284435	31M13L016	Single Cell Mining Claim	10/04/2018	23/07/2028	PACAUD
284436	31M13L037	Boundary Cell Mining Claim	10/04/2018	23/07/2028	PACAUD
287210	32D04C261	Boundary Cell Mining Claim	10/04/2018	19/03/2028	MCELROY
292540	32D04D396	Boundary Cell Mining Claim	10/04/2018	24/12/2028	PACAUD
293542	31M13K042	Single Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
302165	32D04D353	Single Cell Mining Claim	10/04/2018	21/01/2028	PACAUD
302988	32D04C383	Boundary Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
306254	32D04D320	Single Cell Mining Claim	10/04/2018	24/03/2028	MCELROY
307952	32D04D279	Boundary Cell Mining Claim	10/04/2018	19/03/2028	MCELROY
308712	32D04D377	Single Cell Mining Claim	10/04/2018	24/12/2028	PACAUD
310330	32D04C382	Single Cell Mining Claim	10/04/2018	28/06/2028	CATHARINE
311795	32D04D378	Single Cell Mining Claim	10/04/2018	26/06/2028	PACAUD, CATHARINE
313789	32D04C342	Single Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE

Tenure ID	Cell ID	Claim Type	Issue Date	Anniversary Date	Township
321173	31M13L035	Single Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
325119	32D04D298	Single Cell Mining Claim	10/04/2018	20/03/2028	BOSTON, MCELROY
326479	32D04C322	Boundary Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE
326480	32D04C321	Boundary Cell Mining Claim	10/04/2018	26/06/2028	MCELROY, CATHARINE
326481	32D04C341	Single Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE
330375	32D04D318	Single Cell Mining Claim	10/04/2018	20/03/2028	BOSTON, MCELROY
335177	32D04D359	Single Cell Mining Claim	10/04/2018	26/06/2028	CATHARINE
341053	31M13K081	Single Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
341054	31M13K102	Boundary Cell Mining Claim	10/04/2018	10/01/2028	CATHARINE
342088	32D04D297	Single Cell Mining Claim	10/04/2018	27/12/2028	BOSTON
344094	31M13L015	Single Cell Mining Claim	10/04/2018	09/11/2028	PACAUD
516903	32D04D333	Single Cell Mining Claim	16/04/2018	16/04/2028	BOSTON
516904	32D04D332	Single Cell Mining Claim	16/04/2018	16/04/2028	BOSTON

Table 2-2: Miller Gold Property patents. Northstar has an option to acquire 100% interest in PAT-19350

Township	Patent	Rights	PIN	Status of PIN
Catharine	L17917	SRO, MRO	61250-0075	active
Catharine	L17916	SRO, MRO	61250-0076	active
Catharine	PAT-19350	MRO	15077SST	active

MRO = mineral rights only, SRO = surface rights only

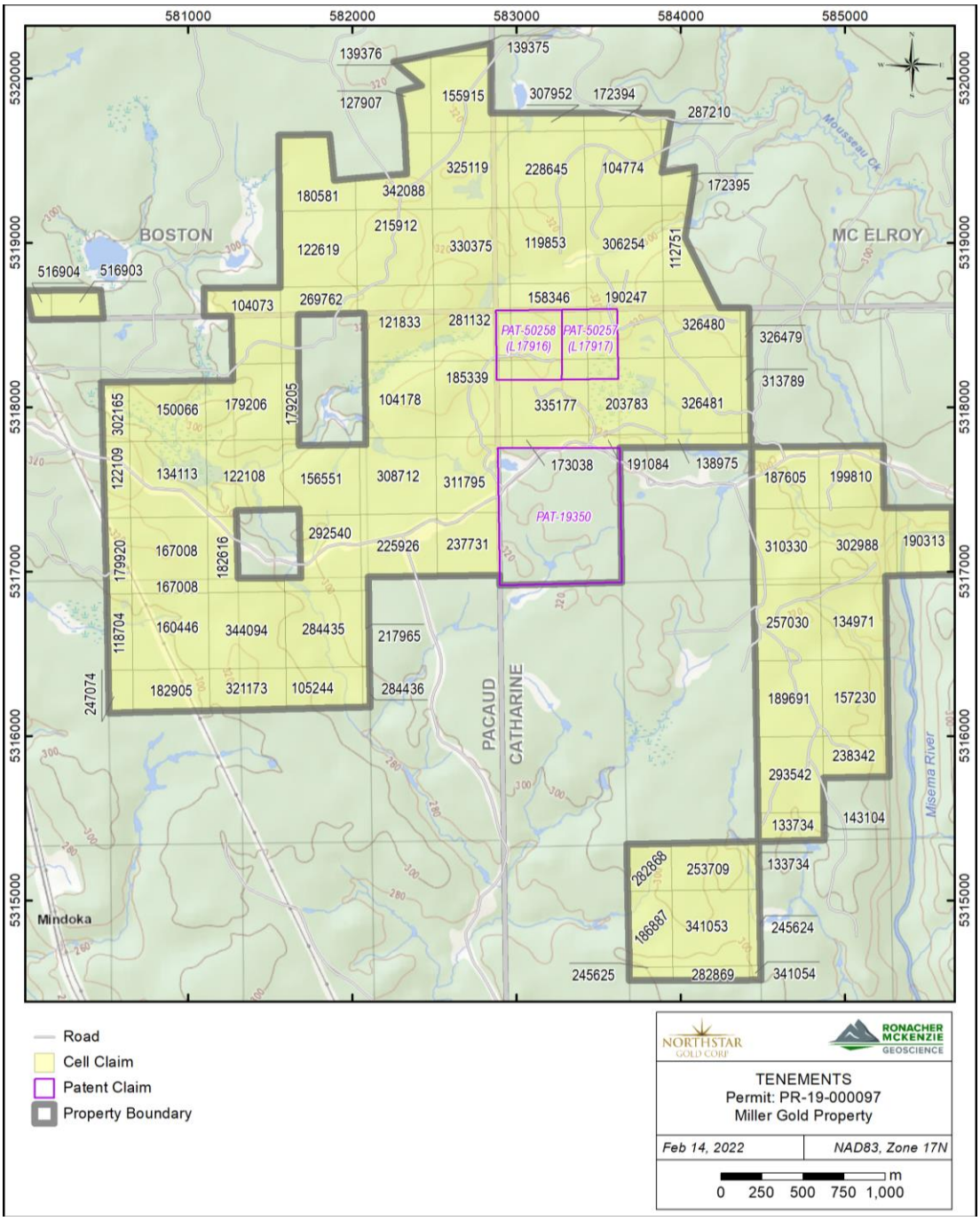

Figure 2-2: Claim map of Miller Gold Property, Ontario

3.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, AND PHYSIOGRAPHY

3.1 Access

The most convenient access to the Miller Gold Property is from Kirkland Lake via Highway 66, then south on Highway 112, then turning east on local road 564 to Boston Creek, then further east along a logging road for about 4 km to the property. Depending upon the weather the logging road may be at times only 4-wheel drivable and have load restrictions on heavy vehicles. During the winter the road is ploughed only to Boston Creek.

3.2 Climate and Vegetation

The climate normal for 1971-2000 from Environment Canada for Kirkland Lake (closest weather station to the Property) indicate that the daily average temperature ranges from -18ºC in January to 17ºC in July. The average monthly accumulation of rain is around 95 mm from June to September. The average monthly accumulation of snow is 65 cm from December to January.

Drilling can be conducted year-round except for spring thaw from mid-March to May. Geological mapping and outcrop sampling can be conducted from May to November when there is no snow on the ground.

Vegetation varies from black spruce and alders to jack pine, black spruce, birch, and poplar in well drained areas. Wildlife on the property may consist of moose, black bear, beaver, rabbit and spruce grouse.

3.3 Physiography

The topography of the Property consists of moderate to low relief with elevations ranging from 300 to 330 metres above sea level. Most of the Property is wooded with a number of creeks and swampy areas throughout.

3.4 Infrastructure and Local Resources

The population of the nearest town, Kirkland Lake, is 8,483 people (Statistics Canada, www.statcan.gc.ca). Kirkland Lake is an economically vibrant mining town and a good source for labour, exploration supplies and general services. The area is well serviced by highways, a railway line and hydro-electric power lines

which extend to within 4 kilometres of the Property at Boston Creek. Figure 3-1 shows the location of the Miller Gold Property with respect to local infrastructure.

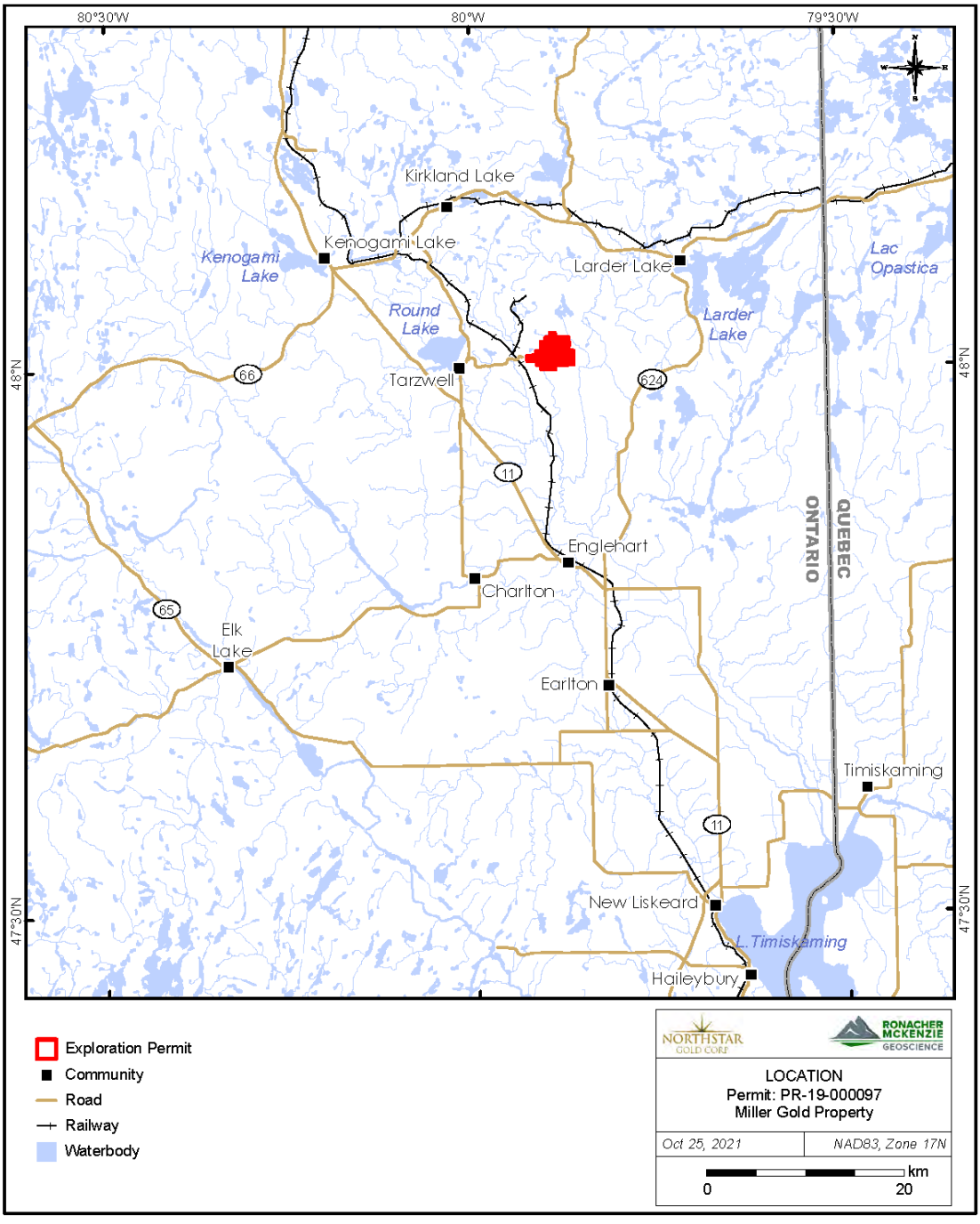

Figure 3-1: Access to and local infrastructure around the Miller Gold Property.

4.0 HISTORY

The mining history of the Miller Gold Property dates to the early 1900s with the discovery of gold and development of the Miller – Independence Mine (French 1988). Official reported production is 58.5 ounces Au and 70 ounces Ag from a 31 ton bulk sample of recovery grade of 1.89 oz/ton Au; however, based upon the mine workings and amount of what appears to be waste rock identified throughout the Property the true production may have been considerably higher.

Besides the original development work, the only other significant exploration completed was during 1987-88 in which Nortek Exploration completed 37 diamond drill holes and estimated a grade and tonnage for the Miller-Independence deposit at 808,000 tons at 0.335 oz/ton Au (French, 1988). This number is a historical estimate, not compliant to 43-101 guidelines, provided for information only and is not to be relied upon. The relevance of this historical estimate is as a rough guideline of possible resource on the Property. The key assumptions, parameters and methods to prepare this historical estimate are not known. The historical estimate does not use categories set out in sections 1.2 and 1.3 NI 43-101. A full assessment report is filed with MNDM by G.B. French (1988) in which this number is reported. A more recent estimate has not been completed to date. This historical estimate can be updated to a current mineral resource by additional drilling. The Qualified Person has not done sufficient work to classify the historical estimate as current mineral resource and the issuer is not treating this historical estimate as a current mineral resource.

The recorded exploration and development history based upon publication and assessment report review is listed in Table 4-1.

Table 4-1: Summary of historical work originally compiled in Hart 2015, revised and updated.

Year	Company	Location	Description
1915	Miller-Independence Mining Ltd	Miller Independence	First discovery of gold in vein (No.1 Vein), which cut across the property in a northwest-southeast direction for at least half of a mile. Gold and tellurides occur all along the entire length.
1916	Miller-Independence Mining Ltd	Miller Independence	Quartz vein with free gold and sulfides discovered near the first discovery. A shaft was built near the original discovery. A flat, faulted vein estimated to contain 1,800 tons of mineralized material was discovered. The gold is associated with galena and copper telluride.
1917	Miller-Independence Mining Ltd	Miller Independence	Another shaft was sunk on a second vein, which was thought to be related to the first vein discovered in 1916. A feldspar porphyry dyke cuts through the shaft.
1917	Miller-Independence Mining Ltd	Miller Independence	Another vein was discovered - it was 6 inches wide at surface and widens up to 10 inches at depth. The vein was alongside a porphyry dyke, both of which carried visible gold and tellurides.

Year	Company	Location	Description
1918-1920	Miller-Independence Mining Ltd	Miller Independence	A total of 6 shafts were sunk on the property. Shaft A was 515 feet and did not cut any vein. Shaft B cut a vein at 21 feet (vertical depth). A 174 foot drift was developed south of the vein. The Incline Shaft was 141 feet with east and west drifts constructed. Shaft C was a total of 110 feet. It crosscut a vein and a 30-inch-wide mud seam at 44 and 62 feet, respectively. Shaft D had a total depth of 500 feet and crosscut Vein D. North of Vein D are 4 parallel fractures carrying gold grades. At the 500-foot level, several iron and copper sulfide-rich stringers were cut. The Jumbo Shaft was a 14-foot-deep pit, which followed a 30-inch-wide vein. The Jumbo Vein is 400 feet south of Vein D. Both Vein D and Jumbo Vein dip south and strike about 30 degrees north of east. In 1918, 58.0 oz Au and 70.0 oz Ag from a 31 ton bulk sample of 1.89 oz/ton Au recovery grade was produced.
1920s	Local Prospector – Gauthier	Planet Syenite	Gold was discovered at the Planet Syenite.
1934	Miller-Independence Mining Ltd	Miller Independence	The mine re-opened and further development was conducted at Shaft C - 185 feet of cross cuts, 1,049 ft of drifting and deepening to 150 feet. 1,000 ft of diamond drilling was also completed.
1937-1938	Planet Gold Mines Ltd	Planet Syenite	Quartz veins and stringers with the presence of visible gold were observed to crosscut the syenite porphyry. Exploration work included extensive trenching, test pitting and diamond drilling (Tod 1937).
1938	Howey Gold Mines	Planet Syenite	Howey Gold Mines optioned the Planet property from Planet Gold Mines Ltd. Extensive trenching was performed on the Planet syenite and a 16 ton bulk sample was taken, the results are unknown. A 3,668 lb sample was also taken and it graded 0.075 oz/ton. Recovery was estimated to be 87%.
1939	Howey Gold Mines	Planet Syenite	A 3,044 lb bulk sample was taken (probably from the small prospect shaft). The table test indicted a total gold content of 0.096 oz/ton. (Crosscombe 1941)
1946	Lebon Gold Mines	Planet Syenite	Diamond drill program and surface trenching was performed, results are not available.
1960	Turzone Exploration Ltd	2 km ESE Allied	Geological survey and exploration report.
1960	Turzone Exploration Ltd	2 km ESE Allied	Drilling program consisting of 14 holes, totaling 437.38 m
1961	Fedora Claims	Allied	Diamond drill program consisting of 2 holes, totaling 97.2 m
1961	Fidelity MNG Investments Ltd	2 km SW Allied	Ground MAG, EM and IP survey covered 0.1 km^2
1961	Mirado Nickel Mines Ltd	1.5 km E Meilleur	An EM survey was carried out, covering 19.6 mile picket lines and a 2.3 mile base line.
1961-1963	Tagliamonte		3 diamond drill holes were drilled to test the presence of quartz veins. No assays were reported.
1962	A. Bargnesi	1.5 km W	Diamond drill program consisting of 2 holes, totaling 123.5 m
1962	R. Rinaldi	1.5 km SW	Drilling program consisting of 3 holes, totaling 98.7 m

Year	Company	Location	Description
1962	Fidelity MNG Investments Ltd	2 km SW Allied	Geological mapping, prospecting, trenching, EM, IP and MAG surveys, covering 0.1 km^2
1963	Ontario Geological Survey	Catharine and Marter Township	A. Grant from the Ontario Geological Survey mapped Catharine and Marter townships at a scale of 1 inch to ¼ mile. M2043.
1969	A. Bargnesi	1.5 km W	Diamond drill program consisting of 1 hole (#1)
1970	Moncrieff Uranium	E Allied	Airborne EM survey and MAG survey, (Logee 1970), covering 87 km^2
1974	Diversified Mines Ltd	Planet	3 maps were prepared, 4 trenches totaling 690 ft were blasted, and 216 samples collected and assayed. The assays yielded low gold values and it was recommended that no additional funds should be committed to this property. (Watts, Griffins and McOuat Limited 1974)
1982	Alexander H. Perron	Allied	Ground MAG and VLF-EM survey (Greer 1982), covered 1 km^2
1982	J. Paiement	Allied	A MAG survey was carried out; 13.3 miles of line were cut and surveyed (Chartre 1982).
1982	398737 Ontario Ltd	Planet	Drilled 3 rows of 3.5" diametre rotary drill holes at 10-foot centres across the intrusive body in an east-west direction and a similar drill section at right angles to crosscut the body in a north-south orientation for a total of 291 holes. The cuttings were collected, assayed for gold and milled for total gold recovery. The overall grade of gold in the deposit was 0.14 g/t Au. A 10 kg composite of diamond drill core from the Planet Syenite was submitted for testing by flotation, gravity and cyanidation in 1982 at Lakefield Research by 398737 Ontario Limited (Seeber, 1982). Results of the gravity separate on a -28 mesh assayed 1 g/t Au at 58% recovery for a calculated head grade of 0.13 g/t Au. The flotation tests on a 64% -200 mesh and 78% -200 mesh were 0.10 g/t Au and 0.19 g/t Au respectively. Results of the cyanidation tests on 64% -200 mesh and 78% -200 mesh size fractions were both 0.13 g/t Au (Seeber 1982).
1983-1986	Shenandoah Resources Ltd	Allied	Surface stripping and bulk sampling of No.1 Vein proved the vein system was thick enough to be economically mined. The average grade of sampling was in excess of 0.35 oz/ton. 12 drill holes were drilled, 4 of which were drilled in line on strike, down dip of the ore body outcrop. This confirmed the extension of the mineralized zone for over 700 linear feet.
1984	Alexander H. Perron	Between Meilleur and Allied	Ground MAG and VLF-EM survey (Greer 1984), covered 1.76 km^2
1985	Alexander H. Perron	1.5 km W Allied	Ground MAG and VLF-EM survey (Greer 1985), covered 0.6 km^2
1986	Gary Kosy-Robert Kosy	1.5 km SE Allied	Diamond drill program consisting of 1 hole, 67.05 m (Kosy 1986)
1986	Teck Explorations Ltd	2.5 km SSE Allied	Geological mapping and prospecting, 30 anomalous gold samples were taken with the highest assaying 560 ppb Au (Page 1986)
1986	Alexander H. Perron	1.5 km W Allied	Geological survey was performed, describing topography and any visible outcrops (Greer 1987)
1987	Edward J. Searles	2.5 km E Allied	Diamond drill program consisting of 1 hole (S87-1) 106.68 m (Searles 1987)

Year	Company	Location	Description
1986	Teck Explorations Ltd	2 km E Allied	Ground MAG and VLF-EM survey (Thorsen 1986) covered 0.88 km^2
1987	Alexander H. Perron	1.5 km W Allied	Diamond drill program consisting of 3 holes, totaling 188.1 m (Greer 1987)
1987	Nortek Minerals Ltd,	Allied	Diamond drilling program consisting of 36 holes, totaling 2,223.21 m. Detailed petrographic, mineralogical and textural studies were conducted. Other work conducted included: mineral processing using core bulk samples, drill hole surveying, regional and local mapping of geological units. (French 1988, Lawrence 1988).
1987	Golden Shield Resources Ltd	Allied	A total of 1,459 km of surveying was flown with the DIGHEM3 system (Smith 1987)
1987	Morgain Minerals Ltd	1.5 km W Allied	EM and MAG surveys were conducted, (Greer 1987), covering 0.6 km^2
1987	Sudbury Contact Mines Ltd	Meilleur	Airborne MAG and VLF-EM surveys were conducted, covering 113 km^2
1988	R. J. Wright	3 km SSE	Diamond drill program consisting of 8 holes, totaling 701.04 m
1988	R. J. Wright	2 km ESE	Diamond drill program consisting of 4 holes, totaling 423.67 m
1988	Teck Explorations Ltd	2 km E Allied	Geological mapping and reporting (Thorsen 1988).
1988	G. B. French	Allied	3 samples assayed with the maximum value of 0.002 oz/ton.
1989	Gold Fields Canadian Mining	3 km SE Allied	15 rock samples from trenches were taken. One sample (7649) reported to contain 0.406 oz/ton and the rest of the samples had less than 1 ppm Au.
1990	Gold Fields Canadian Mining	1.5 km ESE Allied	Trenching and surface stripping was conducted. A total of 16 samples were assayed. Au varied between 0.03 to 0.3 oz/ton, 1 sample also reported to contain 1.53% Cu.
1991	Mark Shore	2 km W Allied	Line cutting, geological mapping, prospecting, MAX-MIN VLF and MAG surveys which covered a 0.15 km^2 area were conducted. A total of 26 samples with the highest grade at 0.01 oz/ton were taken.
1991	Alexander H. Perron	2 km SE Allied	Geological survey and report (Greer 1991)
1993	Alexander H. Perron	Meilleur	Lithological, structural mapping and topographic surveying were performed.
1994	Queenston Mining Inc.	Meilleur	A MAG survey with 2.3 miles of gridding with line spacing at 200 ft was conducted. Geological mapping and 6 samples were taken with values ranging from 168 ppb to 3.449 ppb Au. (Carmichael 1997).
1994	Ontario Geological Survey	Catharine & Pacaud Townships	S.L. Jackson from the Ontario Geological Survey mapped Pacaud and Catharine townships at 1:20 000, OFR5884. (Jackson 1994).
1995	Alexander H. Perron	Allied	Ground MAG and VLF-EM surveys were conducted, (Weller 1995), covering 0.9 km^2
1996	Alexander H. Perron	1.5 km WSW Allied	MAG and EM surveys were performed, (Weller 1996), covering 0.3 km^2

Year	Company	Location	Description
1996	Queenston Mining Inc.	Meilleur	Stripping and washing, detailed geological surveying and mapping were conducted. 10 samples were taken ranging from 38 ppb to 1,834 ppb Au. Diamond drill program consisting of 3 holes, totaling 305.95 m (Carmichael 1997).
1997	Alexander H. Perron	Allied	Line cutting, and detailed geological surveying were conducted. (Weller 1997)
2002	Alexander H. Perron	1.5 km W Allied	MAG and EM surveys were performed, (Weller 2002), covering 0.3 km2
2003	Kirkland Lake Minerals Inc	1 km SW Allied	Power stripping, trenching and sampling were conducted. 20 grab samples were taken, the best results were 0.03 and 0.02 ppm Au (Harrington 2003).
2007	Walter Metherall	1.5 km S Allied	Line cutting, outcrop mapping, surface sampling (8 grab samples with values ranging from not detected to 1.1 ppm Au) and geophysical surveys (MAG and VLF-EM, totaling 19.65 km) were conducted.
2008	Abitibi Mining Corp	1.5 km SW Allied	MAG, VLF-EM and MAX-MIN HLEM surveys were conducted. The north grid consists of 18.525 km, the lines are spaced at 100 m increments with stations picketed at 25 m intervals. The baseline has a total length of 1,125 m. (Ploeger 2006).
2008	Boston Creek Mines Ltd	2.km W Allied	Manually stripped an area approximately 30 ft by 30 ft.; samples were taken but no assays were returned by the time of the report.
2008	Abitibi Mining Corp	2 km SE Allied	Prospecting and trench mapping, channel sampling of three stripping outcrop were conducted. (Ploeger 2008)
2009	Ashley Gold Mines Ltd	1.5 km NW Allied	MAG survey, totaling of 3.825 line km, was conducted
2009	Lake Shore Gold Corp	Allied	Geological data and 18 samples were collected. The highest reported value was 1.51 ppm Au. (MacLachlan 2011).
2009	Abitibi Mining Corp	Meilleur	TFM, VLF-EM and HLEM surveys were conducted. The north grid consists of 11.275 km, with lines spaced at 100 metre increments and stations picketed at 25 m intervals. The baseline with the total length of 1125 m. (Ploeger 2009).
2009	Ashley Gold Mines Ltd	1.5 km E Meilleur	MAG survey, totaling of 2.85 line km, was conducted.
2010	Mhakari Gold Corp	Planet	Prospecting and survey were conducted to locate areas where historic work was completed. 5 rock samples were taken, with values ranging from 0 to 0.52 ppm Au. (Ploeger 2010)
2010	David Benjamin Zabudsky, Walter Metherall	2.5 km E Allied	Diamond drilling program consisting of 9 holes, totaling 1,393 m. Gold values were fairly low. Higher grade intersections from the drilling were related to late, thin quartz-carbonate veining with abundant pyrite.
2011	Lake Shore Gold Corp	Allied	40 grab samples were collected - 38 were collected for analysis and 2 for representative purposes. 5 samples returned grades >0.1 ppm Au, of which two were 32.0 and 58.8 ppm Au (MacLachlan 2011).
2012	Northstar Gold Corp	Miller Gold Property	Northstar acquired the Miller Gold Property. Prospecting and sampling were performed on the Property, a total of 137 samples were taken as outlined in sections 9.0 and 10.0.
2013	Northstar Gold Corp	Miller Gold Property	N-S grid was cut over the Allied Syenite and 11 km of ground magnetics was performed, at 50 metre spacing, was performed on the grid. Prospecting and sampling were performed on the Property, a total of 328 samples were taken as outlined in sections 9.0 and 10.0.

Year	Company	Location	Description
2014	Northstar Gold Corp	Miller Gold Property	Prospecting and sampling were performed on the Property, a total of 169 samples were taken. Diamond drill program consisting of 15 holes, totaling 1,778.5 m. Abitibi Geophysics completed 11.3km of ground time domain 3D IP on the N-S grid as discussed in sections 9.0 and 10.0. (Boyd 2014, Loader 2014).
2015	Oban Mining Corp.	Miller Gold Property	Oban entered into an option agreement with Northstar, and completes geophysical surveys, mapping and surface sampling and diamond drilling exploration programs as outlined in sections 9.0 and 10.0 (Hart 2015).
2015-2018	Arteaga, L.	Miller Gold Property	MSc thesis research of gold mineralization and Allied Syenite (Arteaga 2016, 2018).
2016-2017	Northstar Gold Corp.	Miller Gold Property	Northstar completes bulk sampling, milling and metallurgical programs as outlined in Boyd (2017).
2020	Northstar Gold Corp.	Miller Gold Property	Ground magnetic, ground gravity and 3D DCIP surveys were completed by Dias Geophysical Surveying. Diamond drilling over two campaigns consisted of 28 holes, totaling 5025.6 m.

5.0 GEOLOGICAL SETTING AND MINERALIZATION

5.1 Regional Geology

The Miller Gold Property is located within the Archean volcano-sedimentary assemblage of rocks of the Western Abitibi Subprovince in the Superior Province. Description of the Abitibi greenstone belt is from Ayer et al. (2005) and geological description of the Property area and information on geological figures is mostly from Jackson (1994) and French (1988).

The Abitibi greenstone belt is composed of east-trending synclines of mainly volcanic rocks and intervening domes cored by syn-volcanic and/or syn-tectonic plutonic rocks (gabbro-diorite, tonalite, and granite) alternating with east-trending bands of turbiditic wackes. Most volcanic and sedimentary rocks dip vertically and are generally separated by east-trending faults with variable dips.

Metavolcanic rocks in the Kirkland Lake area are the 2723-2720 Ma Stoughton-Roquemaure Assemblage, characterized by broad regions of tholeiitic basalts, komatiitic basalts, and komatiites with several relatively minor felsic volcanic centers. The volcanic assemblage is located on the northeast flank of the Round Lake Batholith located in the southwest part of Pacaud Township. The upper part of the Assemblage in this area, formerly referred to as the Catharine Group, is cut by Algoman Age granitic intrusions and is overlain by felsic volcanic rocks of the Skead Group, which is part of the Upper Blake River Assemblage (Figure 5-1).

Intermittent small pyritic sulfide zones occur in the metavolcanic rocks. Early Proterozoic diabase dykes crosscut the Archean rocks. The regional metamorphic grade is greenschist facies.

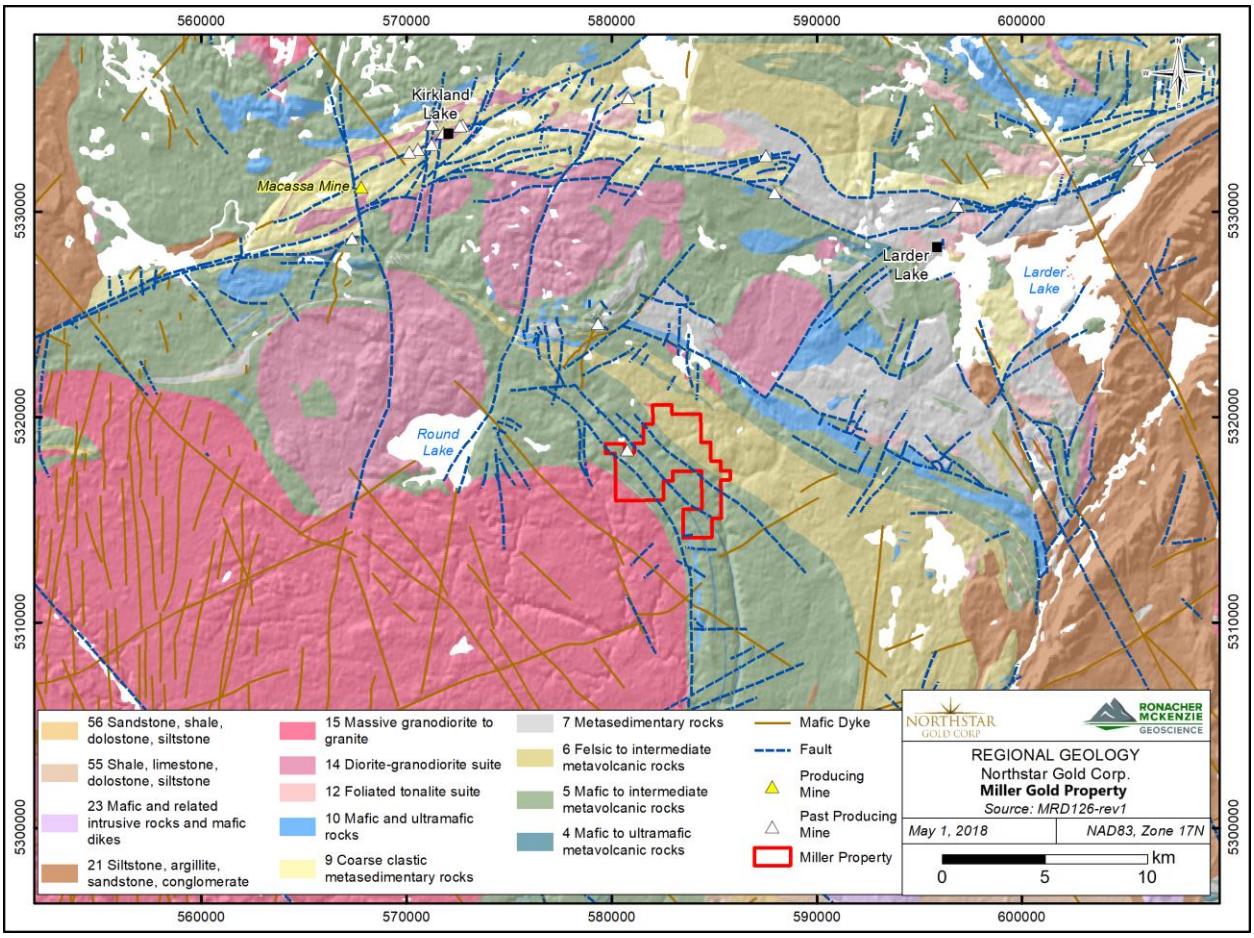

Figure 5-1: Miller Gold Property Regional Geology.

5.2 Local and Property Geology

The Miller Gold Property is underlain by northwest-trending ultramafic and mafic to intermediate metavolcanic rocks of the Pacaud Assemblage and the Catharine Group with the Stoughton-Roquemaure Assemblage, to the southwest and intermediate to felsic metavolcanic rocks of the Skead Group, Blake River Assemblage to the northeast. Occasional ultramafic and mafic to intermediate intrusive rocks occur as stocks and sills emplaced into the metavolcanic rocks. Relatively undeformed, alkaline to calc-alkaline felsic intrusive rocks were emplaced into the metavolcanic rocks as irregular stocks and dykes, which

include the Allied, West Allied, Planet, and Meilleur syenite intrusions. Lamprophyre dykes cut all other units. Felsic intrusive rocks of the Round Lake Batholith bound the metavolcanic rocks to the west. Occasional north- to northwest-trending diabase dykes of the Matachewan dyke swarm cut all older units. The most prominent structures are a series of northwest-trending faults and include the Pacaud and Catharine faults. The Catharine Fault was interpreted to be a first-order structure by Arteaga (2018). There is also a series of lesser northeast-trending faults and shears. Gold mineralization is associated with quartz ± carbonate veining best developed in, or adjacent to, the Allied, Planet and Meilleur syenites.

Most of the Property is underlain by mafic to intermediate rocks with lesser ultramafic metavolcanic rocks. The mafic metavolcanic rocks are comprised of massive flows, pillowed flows, and lesser volcaniclastic rocks. Metamorphic grade and deformation increase towards the Round Lake Batholith to the southwest and most of the massive flows on the Property contain medium- to coarse-grained amphibole. The presence of coarse-grained amphibole means that it can be difficult to distinguish between coarse-grained flows and gabbro sills. The intermediate metavolcanic rocks are subordinate units occurring as occasional flows and volcaniclastic rock interbedded with the mafic metavolcanic rocks. Ultramafic metavolcanic rocks rarely outcrop and are generally intensely altered but are thought to be spinifex textured flows.

The northeast portion of the Property, north of the Catharine Fault, is underlain by predominantly intermediate to felsic metavolcanic rocks that are dominantly volcaniclastic with lesser flows. Occasional mafic volcaniclastic units are inter-bedded with the intermediate volcaniclastic rocks closer to the Catharine Fault.

Intrusive rocks range from syn-volcanic to syn-tectonic in age with the syn-volcanic rocks being dominated by mafic to intermediate compositions and syn-tectonic rocks that are generally intermediate to felsic in composition. Syn-volcanic intrusions are generally medium- to coarse-grained gabbro to diorite that may form sills or composite sills tens of metres in thickness. Felsic to intermediate intrusive rocks of the Round Lake Batholith represent an early syn-tectonic igneous event. Late, syn-tectonic intrusions are dominantly medium- to coarse-grained, massive, syenite with lesser granodiorite and feldspar+/-quartz porphyritic dykes and sills. These intrusions may form large irregular stocks of predominantly syenite composition that appear to be a composite of multiple intrusive phases of dyke and sill emplacement. Lamprophyre dykes are rarely exposed but are intersected by drilling and are interpreted to be a late phase of the syn-tectonic alkaline intrusive event as they cut all older units.

Numerous faults transect the predominately pillow, tholeiitic, mafic metavolcanic, supracrustal rocks (Figure 5-2). The most important are the north-west striking Pacaud Fault and Catharine Fault which trend sub-

parallel to the strike of the lithologies. A series of less prominent northeast-trending fault and shears are oriented 050-070°, dipping 50-60° southeast or northwest. The largest intrusive body in the area is the tonalite dominated Round Lake Batholith located in the southwest part of Pacaud Township. In general, cleavage and shear zones tend to parallel the batholith margin and in the Property area strike northwest, steeply dipping, and facing northeast.

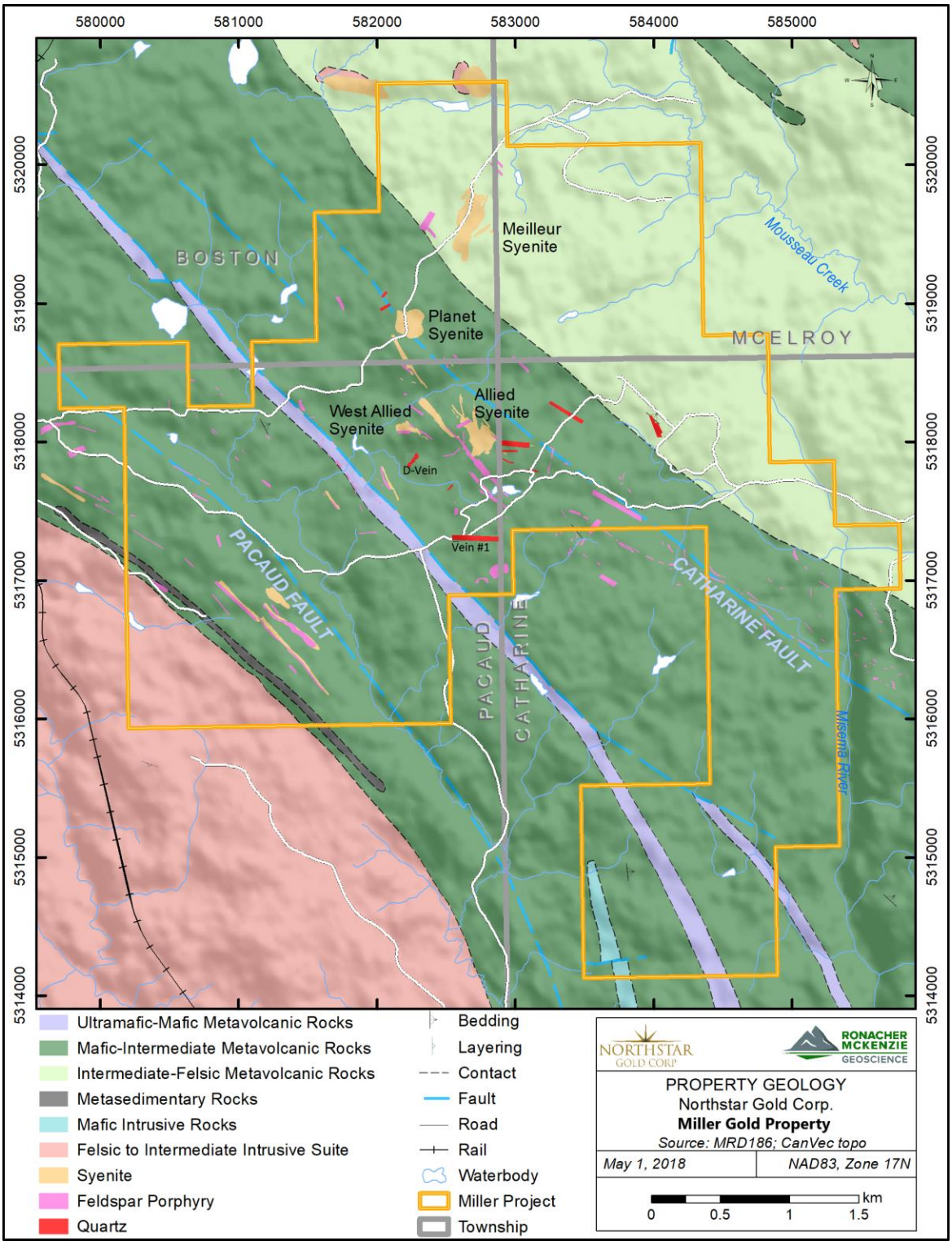

Figure 5-2: Miller Gold Property geology and mineralization.

5.3 Mineralization and Alteration

There are 3 categories of veins identified on the Property, laminated fault-fill, extensional veins and vein arrays, and stockwork / fault breccia. Laminated fault-fill veins are northwest-trending, steeply dipping, low angle to parallel to foliation and form in shear zones or faults.

Extensional veins and vein arrays are northeast- to east-trending, shallow dipping, at high angles to the foliation, and form both within and outside of the shear zones. The extensional veins include the planar shallowly dipping veins formed at a moderate angle to shear zones in both intrusive stocks and volcanic country rocks, as well as arrays of planar to sigmoidal veins at high angle to the foliation that are generally found within the shear zones. Mineralized, northeast-trending, northwest-dipping extensional veins are present in all 3 intrusions. Mineralized quartz-carbonate extensional veining is observed in the western portion of the Property associated with faulting which has a 25° dip to the north. The third set of veins is the brittle stockwork and fault breccia veins observed at both the Planet and Allied syenite intrusions. A high intensity of stockwork quartz veining is observed in the Planet Syenite associated with oblique to orthogonal vein sets.

Gold mineralization on the Property is known to be situated within both shallowly dipping and sub-vertical quartz veins and syenite stocks hosted within the mafic volcanic rocks. Gold mineralization in the area commonly has a nuggety character and coarse texture occurring in native form or as tellurides and may or may not be associated with disseminated pyrite.

Historically the main target of exploration has been the shallowly north-dipping, white quartz No. 1 Vein that hosts free gold, tellurides, minor pyrite, chalcopyrite, tourmaline and galena. This vein is located approximately 400 m south of the Allied Syenite. Traced for about 600 feet along a west-trend, the vein averages about a foot in width (where identified on surface but may expand down dip) and has a shallow, 20° or less, north dip. Mineralization is often concentrated along the country rock contacts and consists of native gold, frequently with telluride, in a net-like arrangement in the quartz along the contact. Accessory mineral phases consist of chalcopyrite, pyrite, specular hematite and galena. Telluride phases include multiple varieties of gold tellurides but mainly calaverite (AuTe2), a bismuth telluride, and petzite (Ag3AuTe2). The country rock is primarily mafic metavolcanic cut by north-trending feldspar porphyritic dykes.

Located about 300 m southwest of the Allied Syenite and 300 m northwest of the No. 1 Vein, the Independence, or "D", vein strikes 245° and dips 45° southeast with the best mineralization between 30 ft and 160 ft in depth along the inclined "D" shaft.

Au-Bi-Te mineralization was identified in drill hole MG-14-12, sample 14624 at 54.6 m (Figure 5-3). This sample was logged as a quartz vein with visible gold, tellurides and chalcopyrite. The quartz vein intrudes the Allied Syenite. Assay results show that this sample has 12.2 g/t Au by metallic screen analysis, 1,260 ppm Bi, 359 ppm Cu, 296 ppm Pb and 79.4 ppm Te.

Alkaline intrusives named the Allied Syenite in Pacaud Township and Planet Syenite and Meilleur Syenite in Boston Township plus several northwest trending sinuous feldspar porphyry bodies are noted north of the No. 1 Vein and may have a genetic relationship to the gold mineralization (Figure 5-2). The syenite in places exhibits a more granitic appearance and composition but this is believed to be a function of introduced quartz in the form of veins and silicification in the matrix. Research by Arteaga (2016, 2018) U/Pb on zircon dated the intrusions at 2662 +- 18 Ma and has identified that these "syenites" have undergone specialized alteration named episyenitization in the form of de-silicification and K depletion accompanied by Na metasomaltism resulting in the replacement in the intrusives of the potassium by albite feldspars. The Allied Syenite is part of an arc of alkaline magmatism that extends for 3,000 metres to the north and may be connected to the Planet Syenite.

Arteaga (2018) dated the mineralization by analyzing molybdenite from drill holes from the Property using the Re-Os technique. The average age of molybdenite is 2680 ± 8 Ma.

Figure 5-3 : Au-Bi-Te stringers in quartz vein from 54.6 m, MG-14-12.

6.0 DEPOSIT TYPES

The Property lies in the Kirkland Lake Mining District of northeast Ontario in which historically gold has been mined as typical mesothermal, replacement type, high-grade, quartz veins found along or close to a major east-west trending Archean deformation/structural feature named the Kirkland Lake Main Break within the Larder Lake - Cadillac Deformation Zone. Gold production since 1915 from 7 gold mines amounts to more than 24 million ounces of gold. (Clark 2013).

More recently identified gold deposits in the camp such as the Upper Beaver deposit held by Agnico Eagle Mines Limited consists of disseminated to quartz filled fractures, stockworks, breccias, and pyritic zones associated with igneous intrusives commonly of syenite composition (Agnico Eagle Mines website:

http://www.agnicoeagle.com/). At the Macassa Mine presently operated by Kirkland Lake Gold Inc., higher grade shoots containing tellurides and native gold constitute about 30% of the overall gold mineralized structures cutting the syenites. The following description of the Larder Lake Break gold mineralization is taken from Ispolatov et al. (2005).

> *Gold mineralization at the Anoki and McBean properties is similar to the above- described gold deposits of McVittie and McGarry townships. In particular, the replacement-style, pyrite-rich Anoki Main zone shares strong analogies with the Kerr Addison-Chesterville flow ore, and replacement ores of Cheminis and Omega mines. Gold-bearing quartz stockworks in carbonate-fuchsite schists explored at depth at the McBean deposit and within the Anoki Deep zone are similar to the "green carbonate" ore at Kerr Addison-Chesterville. Mineralized aphyric dikes of the McBean ore zone strongly resemble the albitite ore of the Kerr Addison Mine described by Smith et al. (1993). Mineralization of the Anoki South zone that is hosted by a graphitic exhalite horizon may correlate to the graphite ore of the Kerr Addison-Chesterville Mine. Similarities in mineralization styles as well as analogous structural setting within the Larder Lake–Cadillac deformation zone suggest that gold-bearing zones of the Anoki and McBean properties are likely related to mineralization of Kerr Addison-Chesterville, Cheminis, and Omega mines. All these occurrences of gold mineralization are parts of a single regional hydrothermal system. The most characteristic features of this system are summarized below:*
>
> 1. *Gold mineralization is localized within a first-order structure, that is, the Larder Lake–Cadillac deformation zone (Smith et al. 1993), and (as far as we are aware) there is no tendency for preferential occurrence of larger deposits in second- and third-order structures;*
> 2. *Mineralization is commonly associated with gentle S-shaped bends along the Larder Lake Cadillac deformation zone (Anoki, McBean, Omega, and Cheminis);*
> 3. *On the scale of the host deformation zone, mineralization tends to form linear shoots (strike length<dip length) that plunge roughly parallel to the regional stretching lineation (L2): e.g., 40-50° east at McBean (this study); approximately 70° east Kerr Addison-Chesterville (Smith et al. 1993, p. 30); near vertical at Cheminis (longitudinal section in Clark and Bonnar 1987; structural data in Wilkinson 1993, p.142).*

4. *At least some mineralized zones are centered on relatively competent lava flow units (e.g., Omega, Cheminis, possibly Kerr Addison) that are flanked by rheological weak and probably impermeable ultramafic talc-chlorite schists (e.g., Thomson 1941; Smith et al. 1993).*

5. *There are 2 principal types of gold mineralization: a) the economically most important style is the pyritic replacement ore where gold is present largely as submicroscopic particles in pyrite (accounts for about 65% of gold at Kerr Addison- Chesterville, most gold at Cheminis and Omega, and Anoki Main zone), and b) the second in importance are quartz stockworks and veins in carbonate-fuchsite-altered ultramafic rocks, where coarser gold is present principally in quartz. The two mineralization types coexist within individual deposits and are probably related to the same hydrothermal episode (e.g., Smith et al. 1993). Localization and shape of individual replacement ore bodies is typically defined by primary or structurally modified geometry of geochemically and rheological favourable units (Smith et al. 1993; present study of the Anoki Main zone). Volcanic rocks of the Larder Lake Group constitute the most common protolith for replacement ores. Volcanic protoliths of the Anoki Main zone and Kerr Addison-Chesterville flow ore (Warwick 1981; Kishida and Kerrich 1987) are Fe-tholeiites. Carbonate is the major component in both mineralization types, which indicates that ore was generated by carbonic, CO2 – rich fluids (e.g., Kishida and Kerrich 1987). Sulphidation of the Fe-rich, high Fe/Mg tholeiitic rocks must have constituted the main gold deposition mechanism for pyritic replacement mineralization (Böhlke 1988; Phillips et al. 1984; Smith et al. 1993), whereas relatively coarse gold in quartz veins enclosed in carbonate-fuchsite alteration was most likely deposited through phase separations (e.g., Smith et al. 1993). The latter mechanism agrees well with the rather irregular distribution of gold in "green carbonate ore" (Smith et al. 1993) and occurrence of gold-barren quartz stockworks in carbonate-fuchsite schists. Both types of mineralization most probably belong to the syn-deformation greenstone-hosted quartz-carbonate vein (mesothermal-orogenic) deposit class.*

6. *Syn-mineralization hydrothermal alteration likely increased competency of host rocks; ultramafic talc-chlorite schists were modified into carbonate-fuchsite rocks with abundant quartz veining, the largely chloritic flow unit of the Anoki zone was replaced by albite-rich aggregate. In both cases, hydrothermal products are more rigid than the protolith, and are*

likely to respond more brittle-like to continuing deformation and maintain or even enhance permeability.

Occurrence of mesothermal gold mineralization in the first order deformation zone is unusual. Within the most economically significant gold camps, the largest gold deposits are typically found in subsidiary second- and third-order structures (e.g., Eisenlohr et al. 1989; Robert 1990; McCuaig and Kerrich 1998). This atypical localization pattern may be due to the nature of the Larder Lake–Cadillac deformation zone in the Larder Lake area. Lithological assemblage of the Larder Lake–Cadillac deformation zone includes competent mafic volcanic units intermingled with or enveloped by incompetent and impermeable ultramafic talc-chlorite schists (Thomson 1941). This combination probably constituted favourable ground for maintaining isolated discrete permeable fluid conduits within the deformation zone. Competent tholeiitic volcanic units responded more brittle, thus enhancing their overall permeability. Rheological weak talc-chlorite schists enveloped these permeable zones, preventing fluid dispersal and maintaining high fluid/rock ratios within fluid pathways. Some of these competent units were also geochemically favourable for sulphidation (e.g., Fe-tholeiitic, high Fe/Mg rocks), and gold deposition occurred.

The location of gold deposits in the Larder Lake–Cadillac deformation zone may (at least in part) reflect biases in exploration strategies, that is, the "Larder Lake Break" has for almost 100 years attracted the most attention from geologists and prospectors alike, and potentially gold-bearing subsidiary structures may have been overlooked. There is no geological factor precluding the occurrence of gold mineralization along subsidiary faults or shear zones that were hydraulically connected to the Larder Lake–Cadillac deformation zone during a regional hydrothermal mineralizing event. The presence of Fe-tholeiites in the Kinojevis assemblage and Larder Lake Group (north and south of the Larder Lake– Cadillac deformation zone) supports the possibility for formation of replacement-style gold mineralization along subsidiary splays of the Larder Lake–Cadillac deformation zone."

Ispolatov (2005) also mentioned:

"Kirkland Lake gold mineralization has a distinct metal signature (Te>Au, Mo, Pb, Ag, high Au/Ag, low As) and is probably unrelated to mineralization along the Larder Lake–Cadillac deformation zone and its splays. The gold-bearing veins of the Kirkland Lake deposit could

have formed during D4, synchronously with reverse-dextral movement along the Main Break, as hydrothermal fluids associated with deep alkaline magmatism migrated to shallow crustal levels."

A more detailed and alternative discussion of the mineral deposit types in the Kirkland Lake Camp and on the Property can also be found in the Technical Report by Hart (2015).

7.0 EXPLORATION

7.1 2021 Overburden Stripping and Related Manual Work

Northstar Gold conducted (1) overburden stripping and washing, (2) outcrop mapping, and (3) channel and grab sampling on the Miller Gold property between July 27 and November 16, 2021. These exploration activities were performed in order to:

- Delineate open volumes of vein-hosted gold mineralization at surface.
- Improve understanding of the Allied syenite and quartz veins in order to outline a geological gold resource.

Stripping and washing were carried out on 9 areas, labelled A, B, C1, C2, D1, D2, D3, D4, and E (**Error! Reference source not found.**). These main areas are further subdivided into individual outcrops, and labeled based off their relative position (e.g., North, Mid, South, East, West). The stripping works were covered by exploration permit PR-19-000098 and occurred from July 27 to October 15, 2021. A total volume of 7597 m^3 of material was stripped from a total area of 7642 m^2, as summarized in Table 7-1. A list of claims where the stripping works occurred is listed in Table 8-2. Work was also conducted on patent PAT-19350 (Table 2-2). Once exposed and washed, geological mapping and channel sampling of the stripped areas occurred. The stripped areas that were mapped are summarized in Table 7-1.

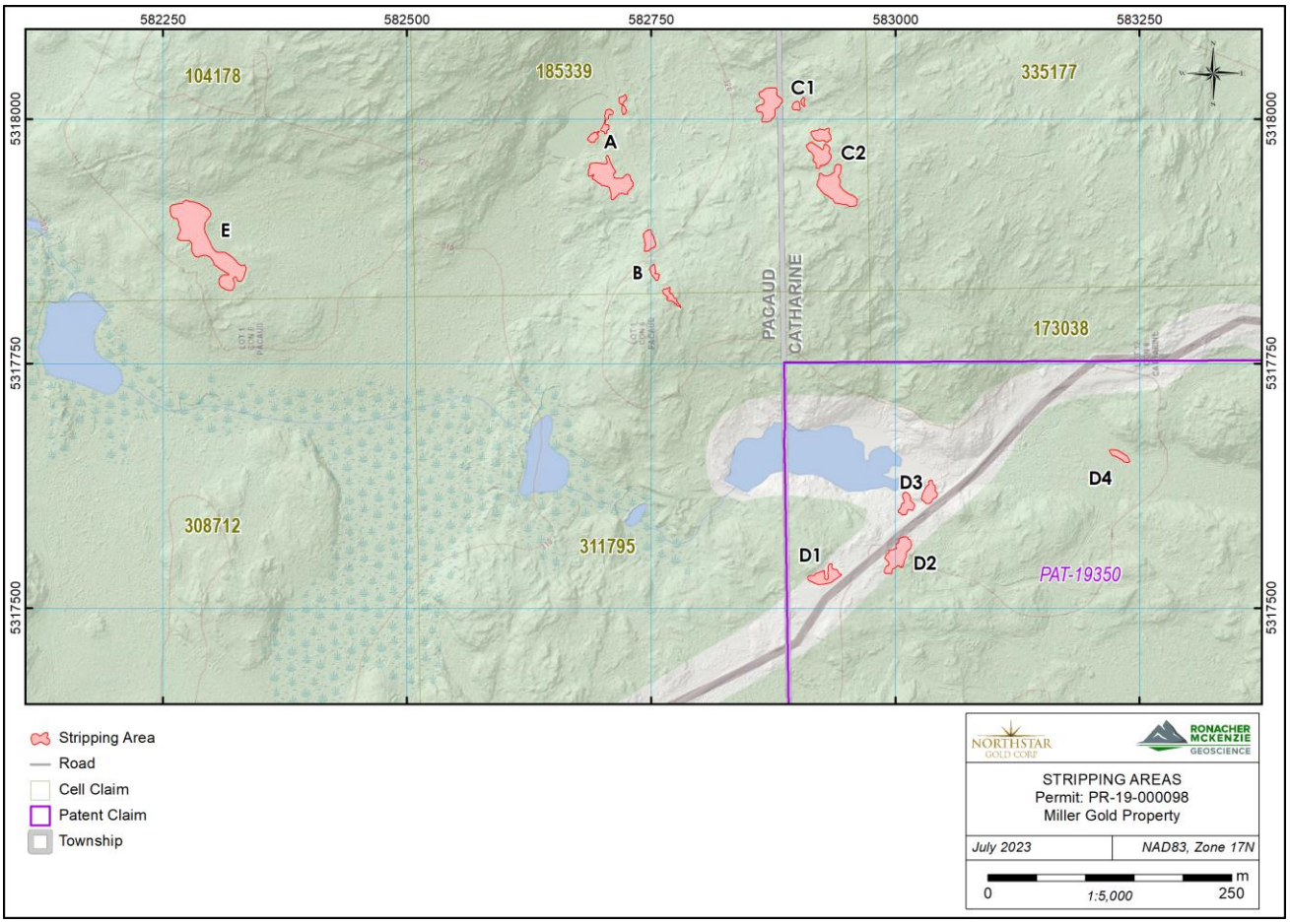

Figure 7-1: Location and dimensions of stripped areas in 2021

Table 7-1: Summary of stripped areas, including approximate dimensions, area and volume of material stripped.

Stripping Area	Area Stripped (m^2)	Volume Stripped (m^3)	Mapped (Y/N)
A-North	81	60.75	Yes
A-Mid	390	292.5	Yes
A-South	891	668.25	Yes
B-North	190	142.5	Yes
B-Mid	179	134.25	Yes
B-South	117	87.75	Yes
C1-West	558	418.5	Yes
C1-East	82	61.5	No
C2-North	204	153	Yes
C2-Mid	378	283.5	Yes
C2-South	791	593.25	Yes

Stripping Area	Area Stripped (m^2)	Volume Stripped (m^3)	Mapped (Y/N)
D1	342	256.5	Yes
D2	542	542	Yes
D3-West	207	144.9	No
D3-East	234	163.8	No
D4	128	102.4	No
E	2,328	3492	No
Total	**7,642**	**7,597**	

Table 7-2: List of cell numbers of the Provincial Grid covered by the stripping works. All claims are 100% owned by Northstar Gold Corp.

Tenure ID	Cell ID	Claim Type	Township
311795	32D04D378	Single Cell Mining Claim	PACAUD, CATHARINE
104178	32D04D357	Single Cell Mining Claim	PACAUD
185339	32D04D358	Single Cell Mining Claim	PACAUD, CATHARINE

Stripping and washing were conducted using a Kubota KX161-3 excavator, operated by Glenn McBride. Overburden was removed and piled to the sides of the stripped areas, while felled trees were laid flat along the sides of the stripped areas. Water was pumped from nearby streams and ponds to wash the stripped areas. Overhead photographs of the stripped areas were captured using a drone, and photos of stripped areas were also taken on the ground (Appendix 2). Geological mapping of the stripped areas and grab sampling was conducted by Ronacher McKenzie Geoscience geologist Marina Schofield from July 29 to August 9, 2021 and from November 12 to 17, 2021. Channels in the exposed bedrock were marked out with spray paint and cut using a portable cut-off machine equipped with a circular diamond blade. Channel samples were collected and described by Marc Gaudreau of Ronacher McKenzie Geoscience from August 21 to September 4, 2021, and from September 15 to October 17, 2021. Daily work logs for the stripping, channel sampling and mapping works are included in Appendix 3. The work was supervised in the field by George Pollock, Vice President Exploration Northstar Gold. Elisabeth Ronacher managed and monitored QA/QC for the sampling programs.

7.1.1 Geological Mapping of Stripped Areas

Geological mapping of the stripped areas, as summarized in Table 7-1, was done by establishing a 5 x 5 m grid and a scale of 1:100. The maps were generated on grid paper and later digitized using GIS software.

Detailed maps showing the geology of the stripped areas can be found in Appendix 4. Observations made during the mapping are summarized in Table 7-3, while structural measurements recorded during the mapping are listed in Table 7-4.

Table 7-3: Summary of geological observations of the mapped areas

Area	Summary of Geological Mapping Observations
A	South end of area A characterized by the intrusive contract between pillowed basalt and massive, medium-grained, equigranular, hematite-stained syenite. The contract strikes approximately NW (dip unknown). The syenite cross cuts the pillowed basalt, and both units are cross-cut by NE trending aplite dykelets that are generally less than 1 m thick. Quartz-Carbonate veins cross-cut all lithologies and are frequently developed along margins of the aplite dykelets. In the north end of Area A, a lamprophyre unit containing sub-angular to angular inclusions of the adjacent syenite is developed along the north-east margin of the pond.
B	Sheared contact between massive basalt feldspar porphyritic intrusive rock. Quartz-carbonate veining, fault-fill material, hematite, and disseminated to stringer-textured pyrite is developed along the sheared contact, which is steeply dipping and strikes NW. In the northern outcrop of Area B, the basalt is cross-cut by a feldspar porphyritic rock, which trends E-W.
C1	Massive basalt cross-cut by a NW-trending feldspar porphyritic intrusion. Intrusive breccia well-developed with fragments of basalt entrained in the feldspar porphyry. Quartz veins are developed as sub-horizontal veins in both basalt and feldspar porphyry, have locally well-developed pyrite-rich alteration halos, and are overprinted by sets of subvertical, NW striking fractures. Quartz veins are also present as steeply dipping, NE striking, undulating veins in basalt and stockworks in the porphyry.
C2	Outcrops at the North end of Area C2 are composed of massive basalt cross-cut by domains of deformed, irregularly quartz-carbonate vein material. Veining is variably flat-lying to stockwork. The larger, southern C2 outcrop is characterized by NW-trending, steeply dipping contacts between massive and pillowed basalts, and locally well-developed flow-top breccia. The massive flows are intruded by a NW-trending feldspar porphyritic intrusive rock.
D1	Massive basalt cross-cut by a west-striking, sub-horizontal, milky white quartz vein that dips shallowly to the north, and locally contains visible Au and fine-grained tellurides. Disseminated pyrite is developed along the QV-basalt contact and into the basalt. Basalt is characterized by Fe-carbonate alteration and pervasive chlorite, with sporadic chalcopyrite blebs
D2	Massive basalt: In the south end, basalt is cross-cut by a massive-textured, milky white quartz vein that dips 30-45°, striking north. The QV is cross-cut by a NW trending fault. In the north end, quartz

Area	Summary of Geological Mapping Observations
	veining is flat-lying. Disseminated pyrite is developed along QV-basalt contacts. Basalt is characterized by Fe-carbonate and pervasive chlorite alteration. Basalt locally contains arrays of flat lying quartz veins.

Table 7-4: Structural measurements recorded during the 2021 mapping campaign

Area	Easting[1]	Northing[1]	Structure	Strike	Dip	Comment
A	582695	5317945	VEIN	70	SUBVERT	1cm wide quartz vein, cross-cutting dike parallel to dike margin
A	582695	5317945	VEIN	350	SUBVERT	1-2 mm wide quartz vein, crosscutting dike perpendicular to dike margin. The vein is cross-cut and offset by the 070 vein
A	582707	5317923	VEIN	105	78	Banded quartz vein in brittle-ductile shear with minor dextral offset of NE striking aplite dike
A	582709	5317939	VEIN	240	10	~3mm wide quartz vein within main syenite
A	582708	5317947	VEIN	232	18	~0.5cm wide shallow quartz vein within main syenite
A	582705	5317961	VEIN	195	shallow	Shallow quartz vein within main syenite
A	582709	5317955	VEIN	225	19	Shallow quartz vein within main syenite
A	582720	5318013	FRACTURE	320	?	Conjugate fracture set within NNE striking brittle deformation zone along margin of outcrop by the road
A	582720	5318013	FRACTURE	35	?	Conjugate fracture set within NNE striking brittle deformation zone along margin of outcrop by the road
A	582704	5318006	FRACTURE	70	SUBVERT	Brittle deformation zone with sulfides, epidote and ankerite? And minor quartz veins.
B	582761	5317830	VEIN	315	SUBVERT	Thin vein within porphyry dike parallel to the main fault-fill vein at the contact between the dike and mafic volcanic
B	582765	5317826	VEIN	320	74	Main fault-fill vein along contact between the porphyry dike and mafic volcanic (vein pinches and swells along strike and exhibits minor variation in strike orientation

Area	Easting[1]	Northing[1]	Structure	Strike	Dip	Comment
B	582770	5317819	VEIN	323	85	Main fault-fill vein
B	582773	5317815	VEIN	310	83	Main fault-fill vein, vein is relatively thick at this point where it branches into several subparallel veins within the porphyry dike
B	582769	5317818	VEIN	355	82	Oblique fibrous vein
B	582750	5317849	VEIN	315	SUBVERT	2mm-2cm wide quartz veins within the mafic volcanic, parallel to the main fault-fill vein
B	582748	5317851	VEIN	350	SUBVERT	oblique, 1-2mm thick quartz veins within the mafic volcanic
C1	582867	5318026	VEIN	107	81	3-5 mm wide white quartz vein
C1	582866	5318028	VEIN	105	80	1.5cm wide fibrous quartz vein with pink (k-spar?) margins and white quartz centres. Rock bridge, pure extensional veins
C1	582872	5318029	VEIN	151	81	0.7cm wide white quartz vein, slightly undulating in strike. Cross-cuts planar joints
C1	582872	5318029	FRACTURE	148	SUBVERT	joint/fractures
C1	582870	5318030	FRACTURE	150	SUBVERT	planar fabric (moderate)
C1	582874	5318025	VEIN	90	20	3-7cm wide quartz vein overprinted by planar fabric. Surrounded by 6cm strongly sulfidized halo. Coarse grained pyrite, euhedral (3-4mm diametre)
C1	582874	5318025	FRACTURE	345	SUBVERT	Spaced planar fabric that overprints flat vein
C1	582874	5318025	FRACTURE	60	SUBVERT	Spaced planar fabric that overprints flat vein
C1	582874	5318026	FRACTURE	230	SUBVERT	Spaced fracture set
C1	582874	5318026	FRACTURE	330	SUBVERT	Spaced fracture set
C1	582875	5318029	VEIN	335	87	0.3-0.6cm wide quartz vein with ~1% fine-grained pyrite vein tapers along strike
C1	582876	5318030	VEIN	337	SUBVERT	2mm quartz vein with 1-3% fine grained pyrite. Tapers along strike.
C1	582867	5318025	FRACTURE	320	SUBVERT	Spaced joint set (strong). Strong hematite alteration (very pink).
C1	582873	5318016	FRACTURE	286	SUBVERT	Spaced joints (strong)
C1	582873	5318016	FRACTURE	210	SUBVERT	Spaced planar fabric overprinting vein.
C1	582870	5318013	FRACTURE	220	SUBVERT	planar fabric overprinting flat quartz vein

Area	Easting[1]	Northing[1]	Structure	Strike	Dip	Comment
C1	582870	5318013	FRACTURE	315	SUBVERT	planar fabric overprinting flat quartz vein
C2	582939	5317931	BEDDING	130	SUBVERT	Bedding (5cm thick finely bedded tuff)
C2	582942	5317930	BEDDING	132	SUBVERT	Pillow elongation
C2	582934	5317932	CONTACT	140	SUBVERT	Dike contact, sharp.
D1	582916	5317532	VEIN	90	15	Shallow quartz vein
D1	582922	5317532	VEIN	80	15	Shallow quartz vein
D2	583002	5317555	VEIN	10	45	Quartz vein

1: UTM NAD83, Zone 17

7.1.2 Channel and Grab Sampling

Samples were collected from the Miller Gold Property as (1) channel and (2) grab samples. The starting coordinates (i.e., collar) of each channel were measured using a handheld GPS, while the channel azimuths were measured using a compass. The dips of the channels were set at zero. Sample lengths were measured out starting from the channel collar, where the sum of the total channel sample lengths equals the total channel length. The channel samples ranged from 0.25 to 1.8 metres in length, but were mostly 1 metre, with an average length of 0.96 metres. Aluminum tags inscribed with the sample number were left in the channel cut to mark the location of each sample. Detailed maps showing channel traces and midpoints for each channel sample can be found in Appendix 4. The midpoint coordinates and a description of each channel sample collected can be found in Appendix 5.

Grab samples were removed from outcrop using a hammer and chisel and described for lithology, mineralization and alteration prior to being sealed in secured bags with a sample tag. Sample coordinates were taken using handheld GPS. The locations of each grab sample are shown in Figure 7-2, Figure 7-3, and Figure 7-4, and listed with sample descriptions in Table 7-5. Assay certificates are included in Appendix 6. Certificates for re-assay by the metallic

Table 7-5: Description and GPS location of all grab samples collected

Sample ID	Easting[1]	Northing[1]	Au (g/t)	Description
D150059	582880	5318022	3.25	Approx. 8% py in weathered basalt with pervasive Fe-carbonate alteration along Feldspar Porphyry contact

Sample ID	Easting[1]	Northing[1]	Au (g/t)	Description
D150061	582878	5318022	28.7 *	Approx. 10% py with quartz stringers in weathered basalt with pervasive Fe-carbonate alteration along Feldspar Porphyry contact
D150062	582955	5317959	0.597	ENE striking, SE Dipping 20cm wide quartz-carbonate fault-fill vein with 4% fine pyrite in basalt wall rock
D150063	582932	5317977	2.47	Approx 5% py with flat lying quartz stringers in weathered basalt
D150064	582701	5317949	4.5	5% PY WITH QTZ STRS IN BASALT AND APLITE - 1.5M Chip sample 340 Az
D150065	582926	5317979	1.095	3% py in 4cm quartz vein strike 340 Az Dip 20° ENE in basalt with pervasive Fe-carbonate alteration
D150066	582916	5317984	1.29	8% py in wall rock of quartz stringers striking 340 Az dip 20 ENE in basalt with pervasive Fe-carbonate alteration
D150067	582279	5317890	1.01	6% py in wall rock of quartz-carbonate stockwork in weathered basalt with pervasive silicification and carbonate alteration
D150068	582281	5317892	0.483	4% py in wall rock of quartz-carbonate stockwork in weathered basalt with pervasive silicification and carbonate alteration
D150069	582275	5317888	0.005	4% py in wall rock of quartz-carbonate stockwork in weathered basalt with pervasive silicification and carbonate alteration
D150071	582272	5317898	0.757	6% py in wall rock of 5cm quartz-carbonate vein in weathered basalt with pervasive silicification and carbonate alteration
D150072	582272	5317904	2.65	4% py in wall rock of quartz-carbonate stockwork with numerous 2-5cm qcv's in weathered basalt with pervasive silicification and carbonate alteration
D150073	582272	5317888	0.405	4% py in wall rock of quartz-carbonate stockwork with numerous small 1-2cm qcv's in weathered basalt with pervasive silicification and carbonate alteration
D150074	582281	5317895	0.656	5% py in wall rock of 3cm quartz-carbonate vein in weathered basalt with pervasive silicification and carbonate alteration
D150075	582282	5317896	0.2	8cm quartz vein with traces of pyrite in weathered basalt
D150076	582285	5317880	1.47	6% py in wall rock of quartz-carbonate stockwork (in trench) with numerous small 1-4cm qcv's in weathered basalt with pervasive silicification and carbonate alteration
D150077	582289	5317907	6.95 *	4% py in wall rock of quartz-carbonate stockwork with numerous small 1-4cm qcv's in

Sample ID	Easting[1]	Northing[1]	Au (g/t)	Description
				weathered basalt with pervasive silicification and carbonate alteration
D150078	582285	5317873	0.132	2% py in heavily weathered altered basalt with pervasive silicification and carbonate alteration
D150079	582291	5317864	5.59 *	10% chalcopyrite and 2% py in 1M Chip sample @ 290 Az in a silicified carbonate schist
D150081	582323	5317835	0.936	3%PY IN WALL ROCK OF 325A QTZ STWK WITH CARB ALT BASALT
D150082	582314	5317853	0.635	4CM QCV WITH CHLORITE AND 6%PY IN BASALT WALL ROCK
D150083	582320	5317850	0.456	10CM QCV WITH CHLORITE 7% PY IN BASALT WALL ROCK
D150084	582288	5317866	2.34	8% CPY 2% PY 290A IN SILICIFIED CARBONATE SCHIST
D150085	582327	5317847	1.605	QVS 325A IN SZ WITH 6%PY PERVASIVE CARBONATE IN BASALT
D150086	582290	5317873	1.17	QCV IN SZ 308A 4%PY PERVASIVE CARBONATE IN BASALT
D150087	582281	5317870	2.35	2CM QCV 308A DIP50 NE 8%PY IN SILICIFIED CARBONATIZED BASALT WALL ROCK
D150088	582317	5317858	2.69	1M CHIP SMPL ALONG 10CM QCV IN BASALT 332AZ DIP ENE 20%CPY
D150091	583058	5317523	0.064	CARB ALT FP 1%PY TRACE CPY IN ENE FAULT ZONE
D150092	582761	5317801	0.001	CARB BRECCIA WITH 3% PY 10% MAGNETITE NEAR FELDSPAR PORPHYRY CONTACT
D150093	582919	5317529	57.3	QTZ WITH VG+TE FROM VEIN 1
D150094	582994	5317540	113 *	TRACE VG+ABUNDANT TE IN QTZ IN VEIN 1
D150095	582999	5317546	0.973	8% PY WITH QTZ STRS IN HW WITH FE-CARB ALT
D150096	583019	5317554	0.425	6%PY IN WALL OF QTZ STWK WITH FE-CARB
D150097	583016	5317602	16.25	20% PY IN PERVASIVE SILICIFIED BASALT WITH FE-CARB
D150098	583034	5317621	0.851	3% PY IN QTZ VEIN (VEIN 1)
D150099	583016	5317608	1.515	8% PY IN QTZ STRINGERS IN SILICIFIED BASALT
D150401	583004	5317567	1.375	8% PY IN QTZ VEIN
D150402	583008	5317561	1.305	8%PY IN QTZ STWK
D150403	582935	5317931	2.11	2% PY IN QTZ STRS IN FELDSPAR PORPHYRY
D150404	582937	5317930	25.4	10% WEATHERED PY IN QV
D150407	582877	5318020	2.89	8% PY IN WALL ROCK OF 2CM QUARTZ VEIN WITH TRACE TE IN BASALT XENOLITH IN FP
D150408	582938	5317928	0.12	2% PY IN FELDSPAR PORPHYRY WITH QTZ STWK

Sample ID	Easting[1]	Northing[1]	Au (g/t)	Description
D150409	582702	5317995	0.039	FLOAT BOULDER FROM POND - CHLORITE/QTZ BX IN SYN 5% CPY
D150411	582702	5317995	0.105	FLOAT BOULDER FROM POND - CHLORITE/QTZ BX IN SYN 5% CPY
D150412	583216	5317699	0.0005	NW STRIKING VERTICAL 30CM QTZ VEIN WITH 0.5% CPY AND CHLORITE
D150413	583215	5317694	0.0005	SUGARY QTZ WITH TRACE PY

1: UTM NAD83, Zone 17

**: Screen fire assay - Total weight-averaged Au content*

Abbreviations

CPY	Chalcopyrite
Fe	Iron
FP	Feldspar Porphyry
HW	Hanging-wall
PY	Pyrite
QCV	Quartz-carbonate vein
QTZ	Quartz
QVS	Quartz veins
STRS	Stringers
STWK	Stockwork
SYN	Syenite

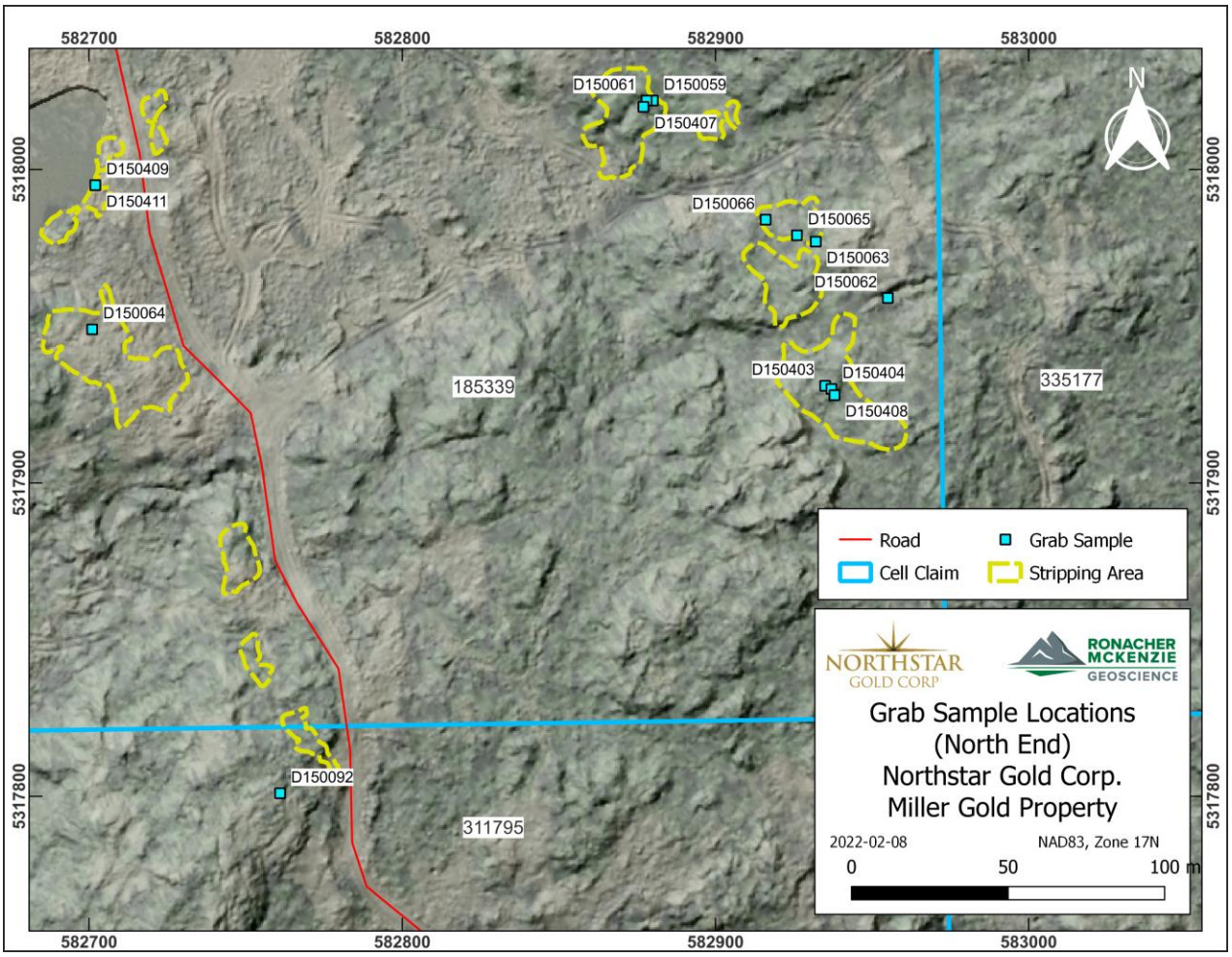

Figure 7-2: Map showing location of grab samples (North End of Work Area)

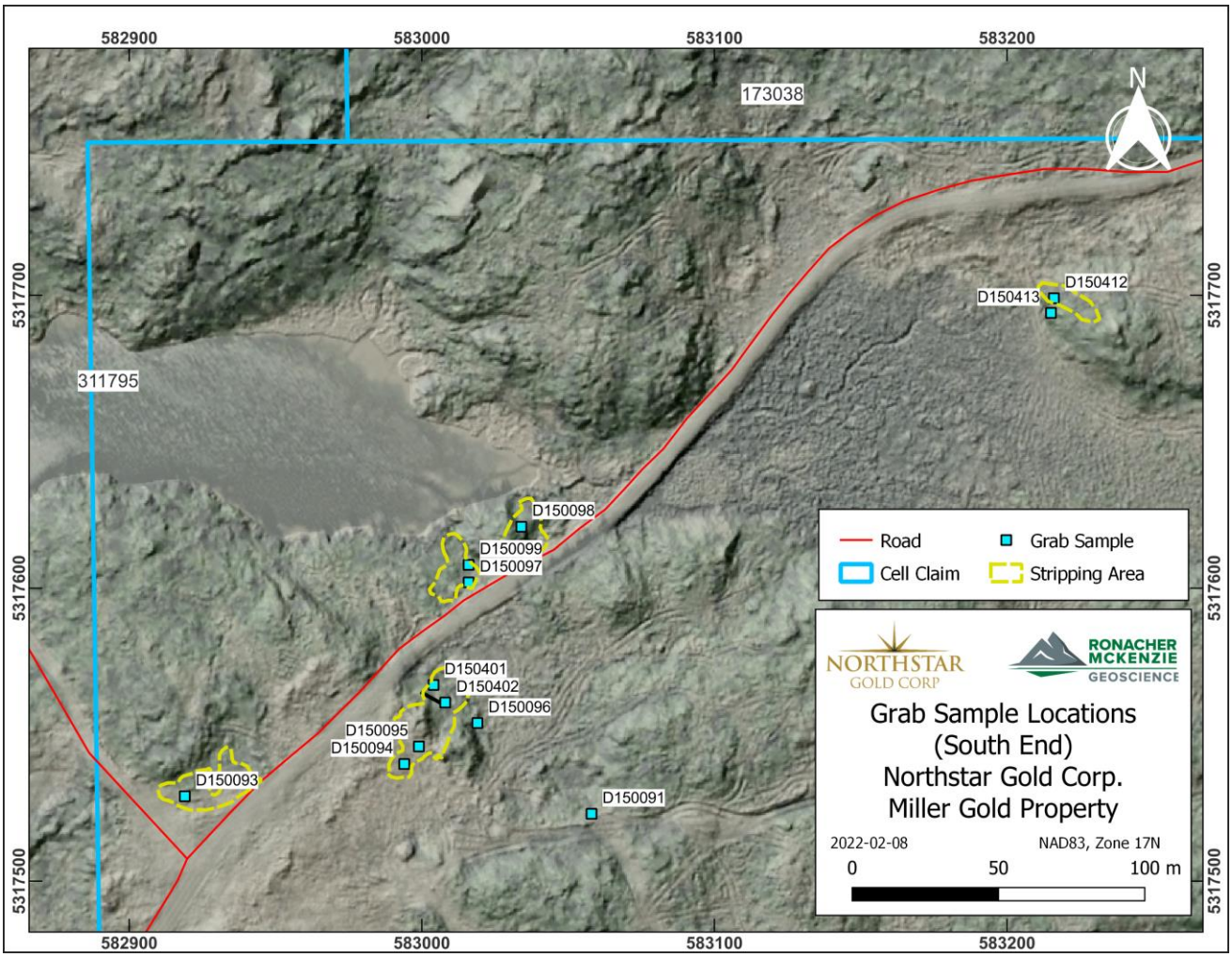

Figure 7-3: Map showing location of grab samples (South End of Work Area)

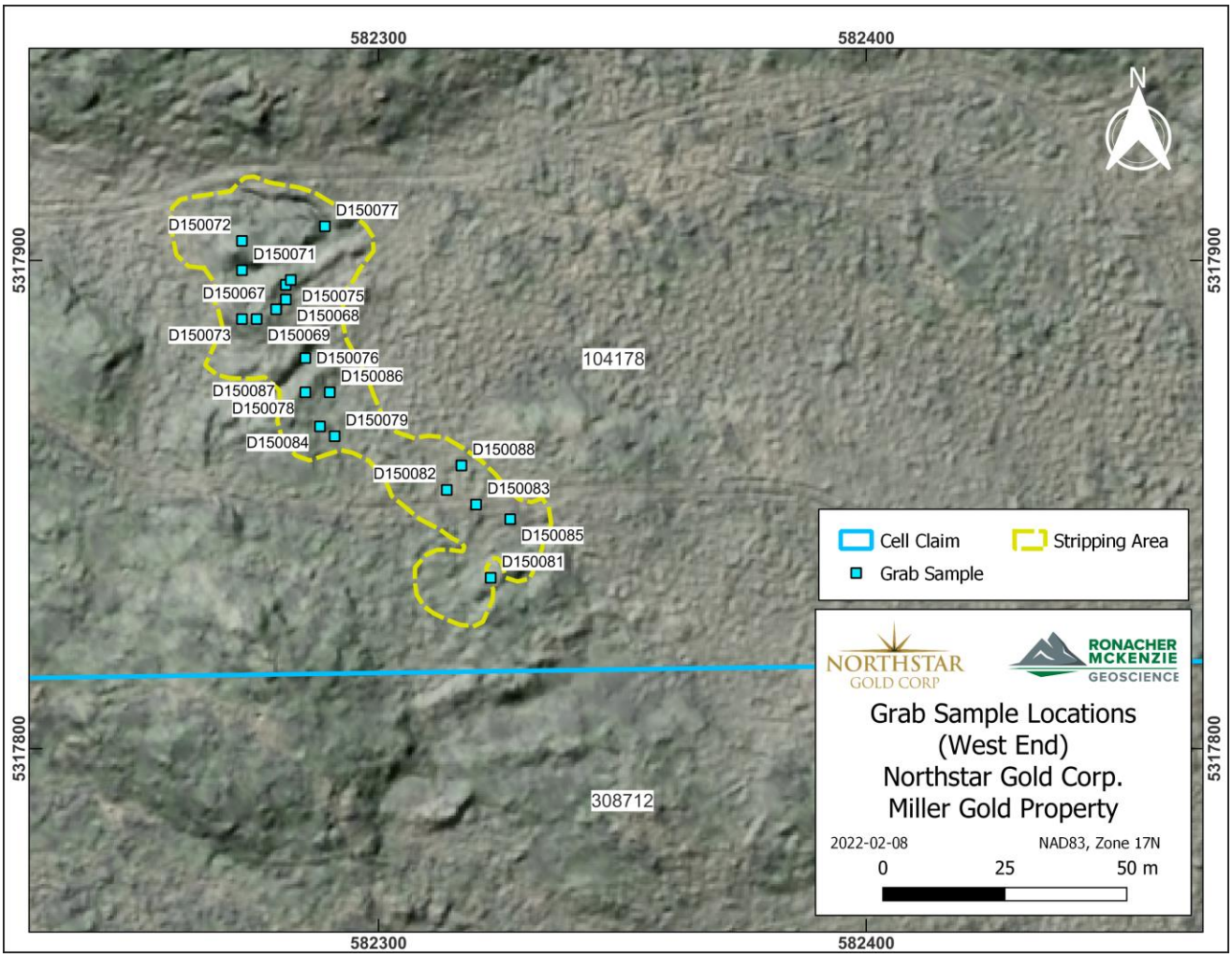

Figure 7-4: Map showing location of grab samples (West End of Work Area)

Northstar has implemented a quality control program for its Miller Gold Property to ensure best practice in the sampling and analysis of field samples, which includes the insertion of blanks and certified standards into the sample stream. Samples were submitted to ALS Geochemistry Laboratories in Sudbury, Ontario, and Timmins, Ontario, for sample preparation and forwarded to the ALS Geochemistry facility in Vancouver, British Columbia for analyses. Gold analyses are obtained via industry standard fire assay with ICP finish using 50 g aliquots. Higher grade samples were chosen for fire assay with a gravimetric finish. Samples are also analyzed for 48 trace and major elements (ME-MS61 package) by ICP-MS following a four-acid digestion. Based on initial fire assay gold results as well as visual indication of mineralization and alteration, select sample rejects were submitted for re-assay by the screen metallic fire assay method.

The ALS Geochemistry Analytical Laboratory conforms with CAN-P-1579 (Requirements for the Accreditation of Mineral Analysis Testing Laboratories) and is ISO/IEC 17025:2017 accredited for the preparation and analyses performed on the Miller Gold samples.

During the channel sampling program, a total of 531 samples were collected and analyzed. There were also 63 control samples for a total of 594 samples submitted for analyses. During the grab sampling program, a total of 46 samples were collected and analyzed, along with 10 control samples for a total of 56 samples submitted for analyses. A total of 29 samples were selected for gold reanalysis using the screen fire assay method. Highlights of the sampling results:

- In Stripping Area C1, channel CH3-C returned 14.79 grams per tonne (g/t) Au over 7 metres (m), including 100 g/t over 1.0 m, channel CH5-C returned 9.7 g/t Au over 3.9 m, including 31.7 g/t Au over 1.0 m, and channel CH1-C returned 10.44 Au g/t over 2.5 m. Grab sample D150061 from the feldspar porphyry-basalt contact returned 28.7 g/t Au, which included a reported value of 369 g/t Au from the coarse fraction of the screen fire assay.
- In Stripping Area D1, channel CH2-D1 returned 21.1 g/t Au over 1.3 m, including 38.9 g/t Au over 0.5 m. In this area, grab sample D150093 returned 57.3 g/t Au in a sample of the No. 1 vein.
- In Stripping Area D2, grab sample D150094 returned 113 g/t Au in a sample of the No. 1 Vein, containing visible Au and tellurides.
- In Stripping Area C2, channel CH20-C returned 14.59 g/t Au over 2 m, including 2 g/t Au over 1.1 m. Also in Area C2, Channel CH14-C returned 1.32 g/t Au over 14 m.
- In Stripping Area E, channel CH4-E, encompassing a zone of quartz-carbonate stockwork veining and silica flooding in sheared basalt, returned 2.26 g/t over 9 m, including 12.95 g/t Au over 1 m. These samples provide a new prospective area to the west of previous drilling and surface sampling in the known No. 1 Vein Zone.

7.2 Quality Control Analysis

Of the 63 control samples inserted into the sample stream, 36 were blanks and 27 were certified reference materials ("CRM") (Table 7-6. All standard analyses fell within the acceptable range of ±3 standard deviations from the certified values. Selected plots are shown in Figure 7-5 and Figure 7-6. All blanks were within acceptable values.

Of the 10 control samples inserted into the sample stream for the grab samples, five were blanks and five were CRM. The same CRM were the same as the ones used for the channel samples. All blanks and CRM were acceptable.

Table 7-6: List of certified reference materials ("CRM") used for the Miller 2021 surface program.

CRM Name	Certified Au (g/t)	Standard Deviation
OREAS 504c	1.48	0.045
OREAS 507	0.176	0.006
OREAS 610	9.83	0.254
OREAS 62e	9.13	0.41

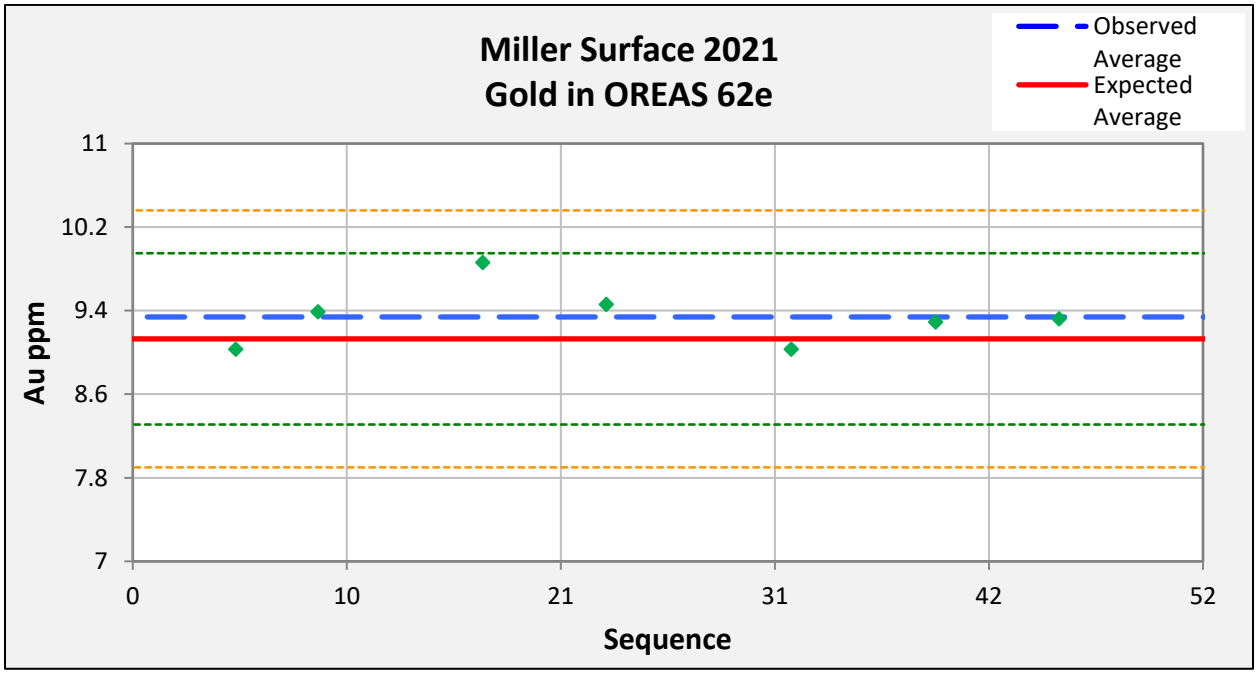

Figure 7-5: Plot showing the performance of CRM OREAS 62e.

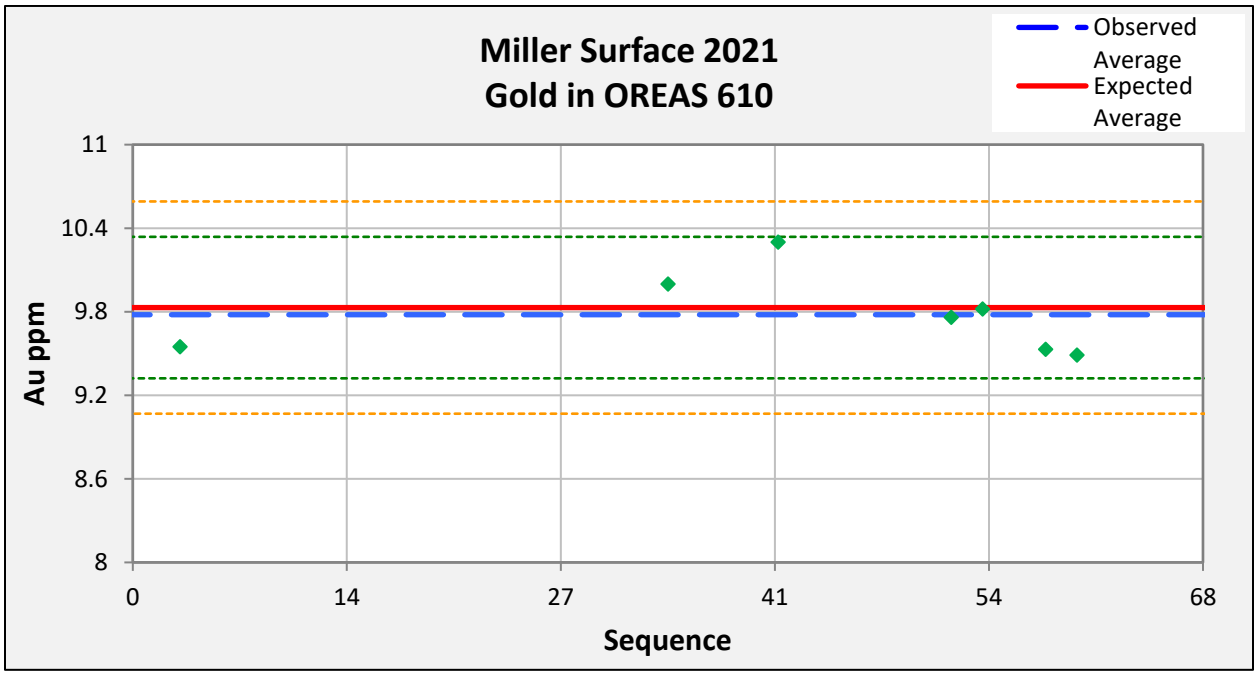

Figure 7-6: Plot showing the performance of CRM OREAS 62e.

The sample preparation, security and analytical procedures were adequate for the purpose of this report. Based on the quality control analysis, the data is also adequate.

8.0 INTERPRETATION AND CONCLUSIONS

The Miller Gold Property and the Kirkland Lake Gold camp share many important geological features such as similar rock types, gold telluride mineralogy, timing of mineralization and large- scale hydrothermal gold systems featuring multi-stage and long-lived alkalic magmatic gold deposition. This strongly suggests the gold mineralization in both regions is derived from a common gold enriched alkaline magmatic-hydrothermal reservoir at depth and channelled to surface by deep seated, interconnected structures such as the first order Catharine Fault zone. An important difference is the Miller Property, which, in addition to high-grade gold-telluride mineralization, has several broad, near-surface, low-grade bulk-tonnage drill zones (Planet and Allied Syenites) and remains un-explored at depth.

The 2021 surface exploration program was successful in confirming and expanding known at-surface, high-grade gold/telluride mineralization and portions of a historic estimate within the Vein 1 Zone. Gold mineralization in the No. 1 Vein Zone is characterized by widely distributed coarse native gold and gold tellurides hosted by quartz veins, disseminated pyrite, intense chlorite alteration and rare chalcopyrite stringers. Fine gold is associated with heavy disseminated pyrite mineralization. Gold analyses of select samples by screen fire assay resulted in increases in reported grades over initial fire assay results in 19 out of the 29 total re-analyses, representing an average total increase of 21% over the initial result.

The program not only succeeded in expanding the known high-grade gold mineralization at surface in the hanging wall of the No. 1 Vein, but it also revealed the presence of additional at-surface gold zones around the Allied Syenite intrusion in the C2 Stripping Area, highlighting the potential for near surface bulk tonnage gold resources.

Mapping of stripping areas B, C1 and C2 revealed northwest trending feldspar porphyry bodies that may have a genetic relationship to the gold mineralization. Additionally, exploration to the west of No. 1 Vein Zone in Stripping Area E returned anomalous Au values that may be associated with a northwest trending zone of deformation.

9.0 RECOMMENDATIONS

Based upon 2021 exploration results, follow-up exploration of the Property is recommended:

- Completion of geological mapping of Stripping Areas D3, D4 and E is recommended.
- Drilling of short drill holes in the C1 Stripping Area is recommended to test the true thickness and depth potential of the high-grade auriferous domains discovered during the channel and grab sampling. Furthermore, northwest trending feldspar porphyry (FP) bodies were mapped in these areas and may have a genetic relationship to the gold mineralization. A series of short holes drilled perpendicular to the basalt-FP contact is recommended to test to potential for development of Au-bearing domains adjacent the contact.
- Grab and channel sampling at Stripping Area E, to the west of the known Vein 1 Zone, returned several anomalous gold grades. Observations from channel sampling noted frequent northwest trending quartz veins cross-cutting Fe-carbonate altered basalt. Drilling of short drill holes in

combination with completion of geological mapping may help to define the suspected northwest-trending deformation zone, as well as the western extend of the Vein 1 Zone.

A cost estimate for the recommended work is provided in Table 9-1.

Table 9-1: Estimated cost of the recommended exploration program.

Item	Unit	No/Units	Cost/Unit	Total Cost
Geological Mapping (Areas D3, D4, E)				
Mapping and sampling	day	6	$350	$2,100
Assaying	sample	30	$75	$2,250
sub-TOTAL				**$4,350**
Diamond Drilling (short holes)				
Drilling	meter	750	$190	$142,500
Drill program management (geologist, core cutter, accommodation, vehicle)	each	1	$30,000	$30,000
Assaying	sample	450	$75	$33,750
sub-TOTAL				**$206,250**
TOTAL				**$210,600**

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11.0 STATEMENT OF AUTHORSHIP

This report, titled "Assessment Report, Miller Gold Project, Kirkland Lake, Ontario: 2021 Surface Exploration", dated October 28, 2022 and prepared for Northstar Gold Corp., was completed and signed by the following author:

"signed and sealed"

_____

Jeffrey Enright, M.Sc., P.Geo.
October 28, 2022
North Bay, ON

Appendix 1

Certificates of Authors

STATEMENT OF QUALIFICATIONS

Jeffrey Enright, M.Sc., P.Geo
Ronacher McKenzie Geoscience Inc.
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I, Jeffrey Enright, do hereby certify that:

1. I am a Geologist at Ronacher McKenzie Geoscience.
2. I am responsible for the report titled "Assessment Report, Miller Gold Project, Kirkland Lake, Ontario: 2021 Surface Exploration", dated October 28, 2022 and prepared for Northstar Gold Corp.
3. I hold the following academic qualifications: M.Sc. Geology (2018), Laurentian University, Sudbury, ON, Canada.
4. I am a member in good standing of Professional Geologists Ontario (PGO, member # 3237).
5. I have worked on exploration and mining development projects in Canada. I have worked on Ni-Cu-PGE, gold, uranium, and rare-earth element deposits since 2012.
6. This report is compiled from data obtained from the public domain and company data provided by Northstar Gold Corp. I have not visited the property.
7. I do not hold any interest in Northstar Gold Corp., nor in the property discussed in this report, nor in any other property held by this company, nor do I expect to receive any interest as a result of writing this report.

Dated this 28 Day of October 2022

_____
Jeffrey Enright, M.Sc., P.Geo.
Ronacher McKenzie Geoscience

Appendix 2

Photographs – Stripped Areas

Area A (North End): Looking down, Easting 582711, Northing 5317973

Area A (South End): Looking down, Easting 582711, Northing 5317937

Area B: Looking down, Easting 582763, Northing 5317845

Area C1: Looking down, Easting 582873, Northing 5318012

Area C2 (North End): Looking down, Easting 582917, Northing 58317991

Area C2 (South End): Looking down, Easting 582938, Northing 5317943

Area D1: Looking down, Easting 582925, Northing 5317519

Area D2: Looking down, Easting 583000, Northing 5317551

Area D3 (East): Ground level looking north, Easting 583033, Northing 5317607

Area D3 (West): Ground level looking south, Easting 583011, Northing 5317612

Area E: Looking down, Easting 582300, Northing 5317886

Appendix 3

Daily Work Logs

NORTHSTAR GOLD CORP

Date	Work Type	Personnel	AREA
26-Jul	Mobilization	Glenn McBride	N/A
27-Jul	Operate Excavator - Stripping Area A	Glenn McBride	A
28-Jul	Operate Excavator - Stripping Area A	Glenn McBride	A
29-Jul	Operate Excavator - Stripping Area A	Glenn McBride	A
30-Jul	Operate Excavator - Stripping Area A	Glenn McBride	A
31-Jul	Operate Excavator - Stripping Area A	Glenn McBride	A
2-Aug	Operate Excavator - Stripping Area A	Glenn McBride	A
3-Aug	Operate Excavator - Stripping Area A	Glenn McBride	A
4-Aug	Operate Excavator - Stripping Area A	Glenn McBride	A
5-Aug	Operate Excavator - Stripping Area A	Glenn McBride	A
6-Aug	Operate Excavator - Stripping Area A	Glenn McBride	A
	Operate Excavator - Stripping Area B	Glenn McBride	B
7-Aug	Operate Excavator - Stripping Area B	Glenn McBride	B
8-Aug	Operate Excavator - Stripping Area B	Glenn McBride	B
9-Aug	Operate Excavator - Stripping Area B	Glenn McBride	B
10-Aug	Operate Excavator - Stripping Area C1	Glenn McBride	C1
11-Aug	Operate Excavator - Stripping Area C1	Glenn McBride	C1
12-Aug	Operate Excavator - Stripping Area C1	Glenn McBride	C1
13-Aug	Operate Excavator - Stripping Area C1	Glenn McBride	C1
14-Aug	Operate Excavator - Stripping Area C1	Glenn McBride	C1
15-Aug	Operate Excavator - Stripping Area C1	Glenn McBride	C1
16-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
17-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
18-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
19-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
20-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
21-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
22-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
23-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
24-Aug	Operate Excavator - Stripping Area C2	Glenn McBride	C2
26-Aug	Operate Excavator - Stripping Area E	Glenn McBride	E
27-Aug	Operate Excavator - Stripping Area E	Glenn McBride	E
30-Aug	Operate Excavator - Stripping Area E	Glenn McBride	E
31-Aug	Operate Excavator - Stripping Area E	Glenn McBride	E
1-Sep	Operate Excavator - Stripping Area E	Glenn McBride	E
6-Sep	Operate Excavator - Stripping Area E	Glenn McBride	E
7-Sep	Operate Excavator - Stripping Area E	Glenn McBride	E
8-Sep	Operate Excavator - Stripping Area E	Glenn McBride	E
9-Sep	Operate Excavator - Stripping Area E	Glenn McBride	E
10-Sep	Operate Excavator - Stripping Area D1	Glenn McBride	D1
11-Sep	Operate Excavator - Stripping Area D1	Glenn McBride	D1
14-Sep	Operate Excavator - Stripping Area D1	Glenn McBride	D1
15-Sep	Operate Excavator - Stripping Area D1	Glenn McBride	D1
16-Sep	Operate Excavator - Stripping Area D2	Glenn McBride	D2
17-Sep	Operate Excavator - Stripping Area D2	Glenn McBride	D2
20-Sep	Operate Excavator - Stripping Area D2	Glenn McBride	D2
21-Sep	Operate Excavator - Stripping Area D2	Glenn McBride	D2
22-Sep	Operate Excavator - Stripping Area D2	Glenn McBride	D2
23-Sep	Operate Excavator - Stripping Area D2	Glenn McBride	D2
24-Sep	Operate Excavator - Stripping Area D2	Glenn McBride	D2
25-Sep	Operate Excavator - Stripping Area D3	Glenn McBride	D3

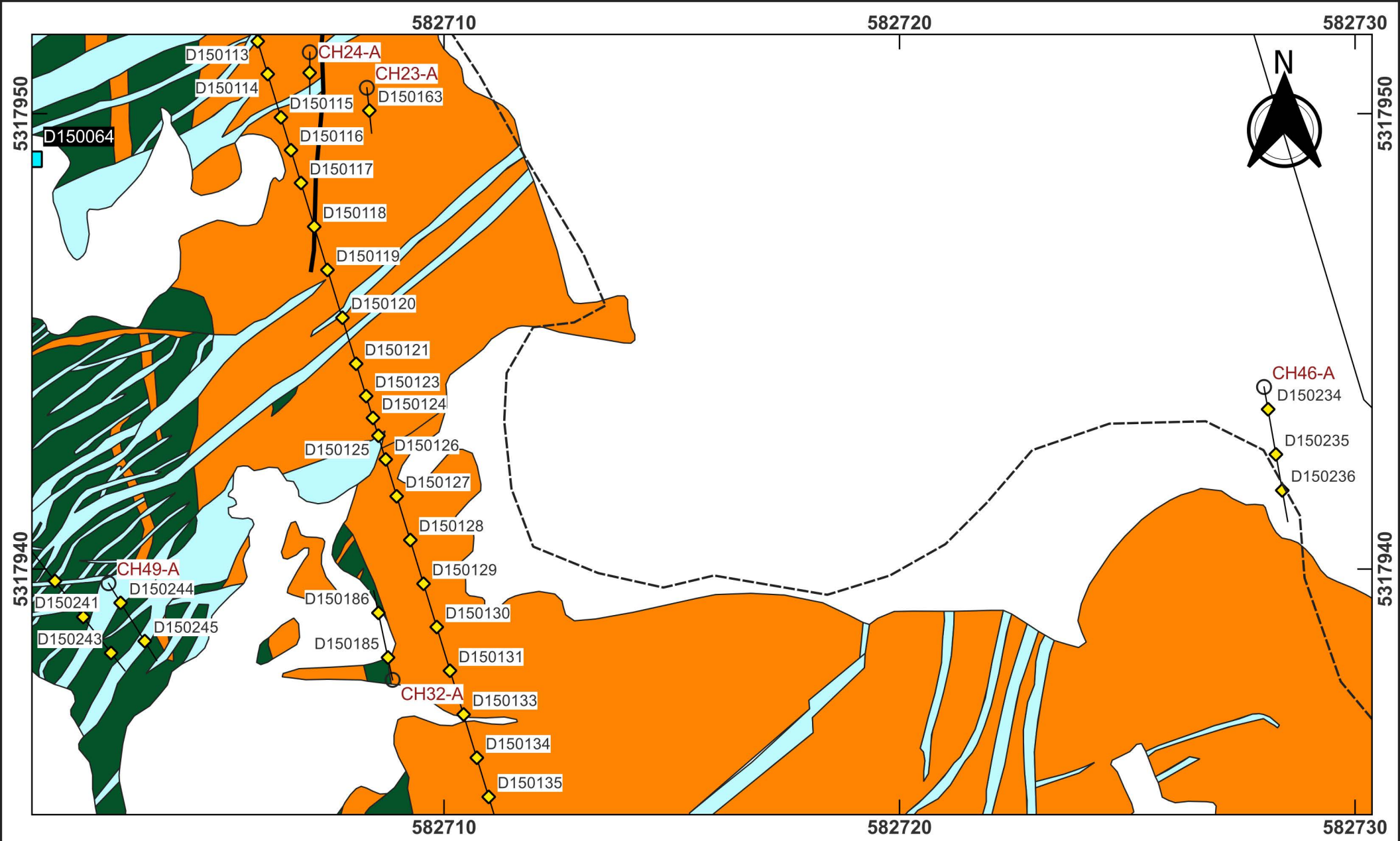
27-Sep	**Operate Excavator - Stripping Area D3**	Glenn McBride	D3
28-Sep	**Operate Excavator - Stripping Area D3**	Glenn McBride	D3
29-Sep	**Operate Excavator - Stripping Area D3**	Glenn McBride	D3
30-Sep	**Operate Excavator - Stripping Area D3**	Glenn McBride	D3
1-Oct	**Operate Excavator - Stripping Area D3**	Glenn McBride	D3
2-Oct	**Operate Excavator - Stripping Area D3**	Glenn McBride	D3
4-Oct	**Operate Excavator - Stripping Area D4**	Glenn McBride	D4
5-Oct	**Operate Excavator - Stripping Area D4**	Glenn McBride	D4
6-Oct	**Operate Excavator - Quartz Vein Area**	Glenn McBride	QV
7-Oct	**Operate Excavator - Quartz Vein Area**	Glenn McBride	QV
11-Oct	**Operate Excavator - Stripping Area C1**	Glenn McBride	C1
12-Oct	**Operate Excavator - Stripping Area C1**	Glenn McBride	C1
13-Oct	**Operate Excavator - Stripping Area C2**	Glenn McBride	C2
14-Oct	**Operate Excavator - Stripping Area C2**	Glenn McBride	C2
15-Oct	**Operate Excavator - Stripping Area D3**	Glenn McBride	D3
20-Oct	**Demobilization**	Glenn McBride	N/A

Date	Work Type	Personnel	AREA
29-Jul	**Travel**	Marina Schofield	N/A
30-Jul	**Outcrop (stripping) mapping & sampling**	Marina Schofield	A
31-Jul	**Outcrop (stripping) mapping & sampling**	Marina Schofield	A
1-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	A
2-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
3-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
4-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
5-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
6-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
7-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
8-Aug	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
9-Aug	**Travel**	Marina Schofield	N/A
11-Nov	**Travel**	Marina Schofield	N/A
12-Nov	**Outcrop (stripping) mapping & sampling**	Marina Schofield	A
			C
13-Nov	**Outcrop (stripping) mapping & sampling**	Marina Schofield	C
			E
14-Nov	**Outcrop (stripping) mapping & sampling**	Marina Schofield	E
			D1
15-Nov	**Outcrop (stripping) mapping & sampling**	Marina Schofield	B
			D2
			D3
16-Nov	**Outcrop (stripping) mapping & sampling**	Marina Schofield	A
			C
			QV
17-Nov	**Travel**	Marina Schofield	N/A

Date	Work Type	Personnel	AREA
21-Aug	Travel/Orientation	Marc Gaudreau, Jesse	A
22-Aug	Channel Sampling	Marc Gaudreau, Jesse	A
23-Aug	Channel Sampling	Marc Gaudreau, Jesse	A
24-Aug	Channel Sampling	Marc Gaudreau, Jesse	A
25-Aug	Channel Sampling	Marc Gaudreau, Jesse	A
26-Aug	Channel Sampling	Marc Gaudreau, Jesse	A
31-Aug	Channel Sampling	Marc Gaudreau, Jesse	A
1-Sep	Channel Sampling	Marc Gaudreau, Jesse	A
2-Sep	Channel Sampling	Marc Gaudreau, Jesse	A
3-Sep	Channel Sampling	Marc Gaudreau, Jesse	A
4-Sep	Channel Sampling	Marc Gaudreau, Jesse	A
			B
15-Sep	Channel Sampling	Marc Gaudreau, Jesse	B
16-Sep	Channel Sampling	Marc Gaudreau, Jesse	B
17-Sep	Channel Sampling	Marc Gaudreau, Jesse	B
18-Sep	Channel Sampling	Marc Gaudreau, Jesse	B
23-Sep	Travel	Marc Gaudreau	N/A
24-Sep	Data Entry (Area B)	Marc Gaudreau	N/A
25-Sep	Channel Sampling	Marc Gaudreau, Merv	C
26-Sep	Worksite Prep	Marc Gaudreau, Merv	C
27-Sep	Channel Sampling	Marc Gaudreau, Merv	C
28-Sep	Channel Sampling	Marc Gaudreau, Merv	C
29-Sep	Prep Work, Channel Cutting	Marc Gaudreau, Merv	E
30-Sep	Channel Sampling	Marc Gaudreau, Merv	E
1-Oct	Channel Sampling	Marc Gaudreau	E
2-Oct	Channel Cutting	Marc Gaudreau, Merv	E
3-Oct	Channel Sampling	Marc Gaudreau, Jessy	E
4-Oct	Worksite Prep	Marc Gaudreau	D-1
5-Oct	Channel Sampling	Marc Gaudreau	D-1
6-Oct	Channel Sampling	Marc Gaudreau	D-2
8-Oct	Channel Sampling	Marc Gaudreau	D-2
9-Oct	Channel Sampling	Marc Gaudreau	D-3
15-Oct	Channel Sampling	Marc Gaudreau	D-2
			D-3
			QV
			D-4
17-Oct	Channel Sampling	Marc Gaudreau, Merv	C

Appendix 4

Detailed Stripping Area Maps



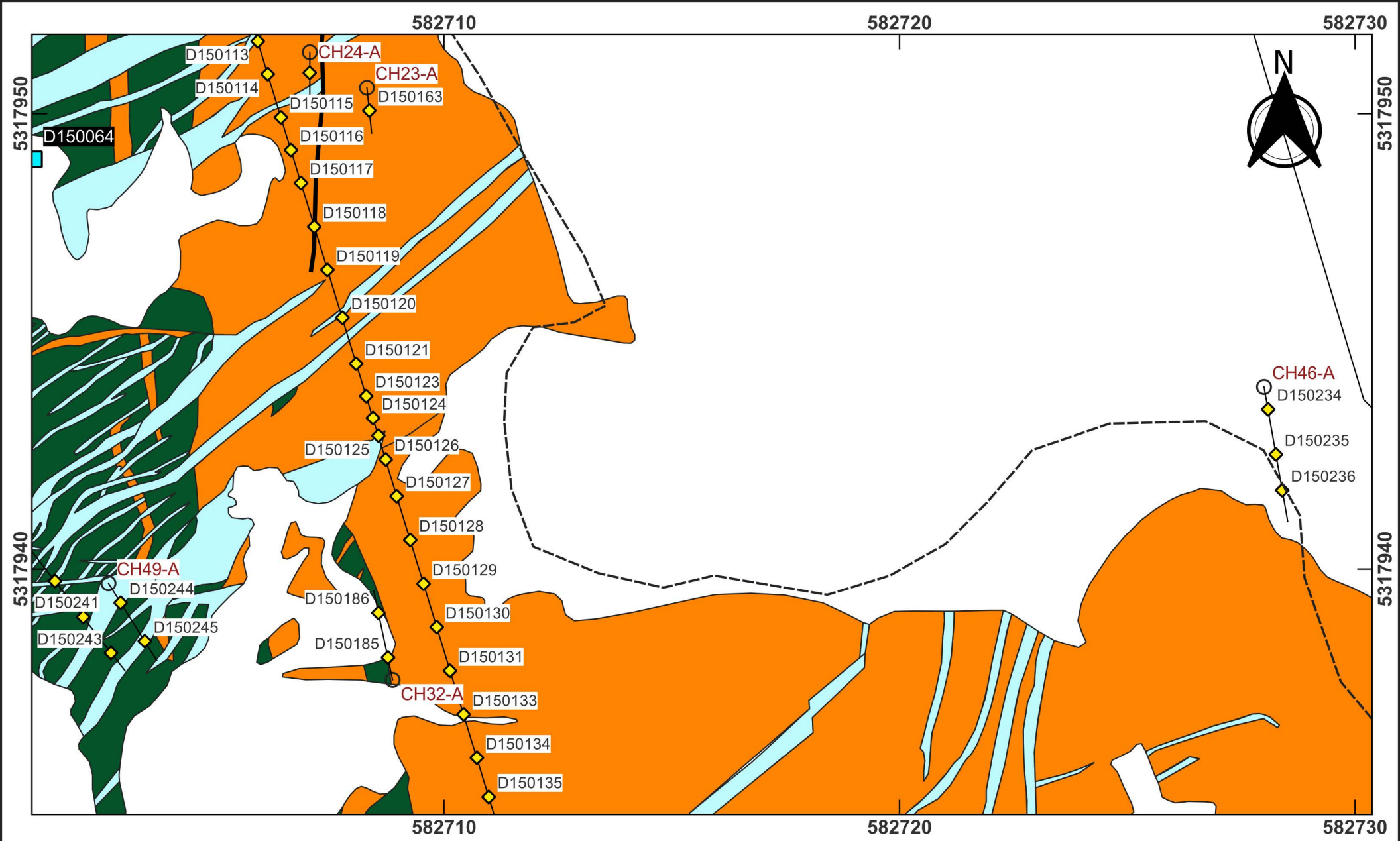
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area A (South End)
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N



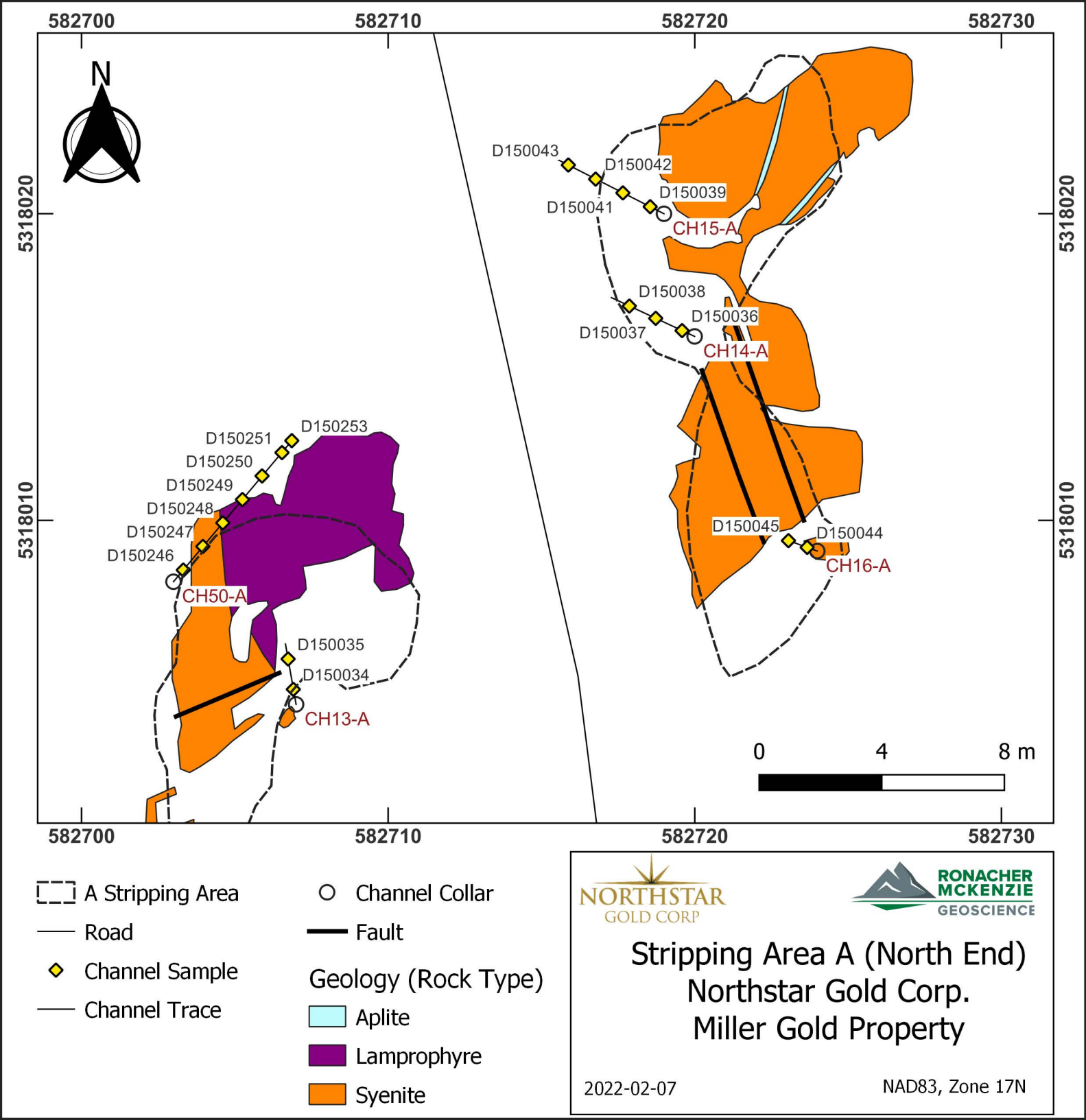
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area A (South End)
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N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5318010
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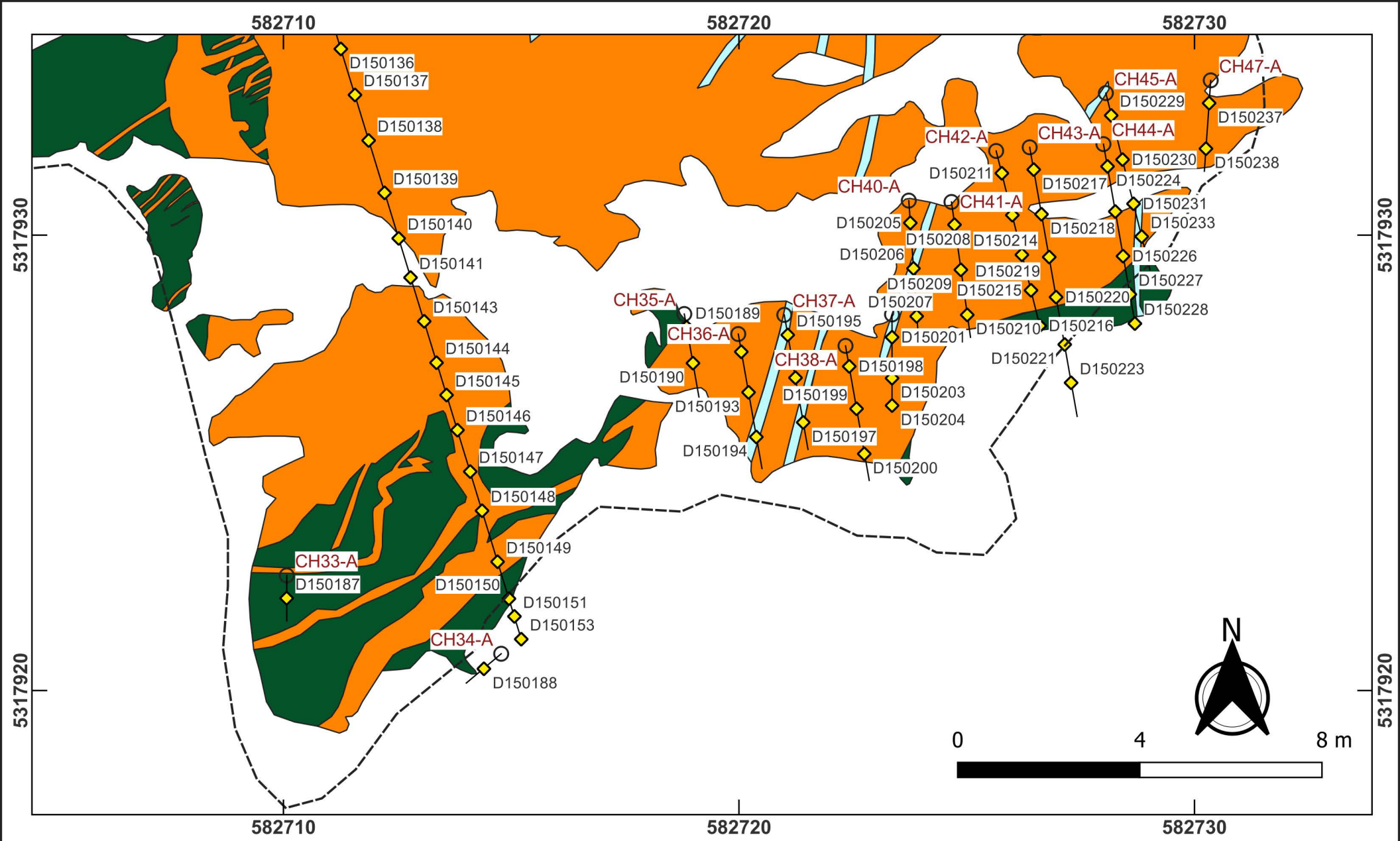
D150042
D150041
D150039
CH15-A
D150038
D150036
D150037
CH14-A
D150045
D150044
CH16-A
D150253
D150251
D150250
D150249
D150248
D150247
D150246
CH50-A
D150035
D150034
CH13-A
0
4
8 m
A Stripping Area
Road
Channel Sample
Channel Trace
Channel Collar
Fault
Geology (Rock Type)
Aplite
Lamprophyre
Syenite
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area A (North End)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N



A Stripping Area

Channel Trace

Channel Sample

Channel Collar

Geology (Rock Type)

Aplite

Pillowed Basalt

Syenite

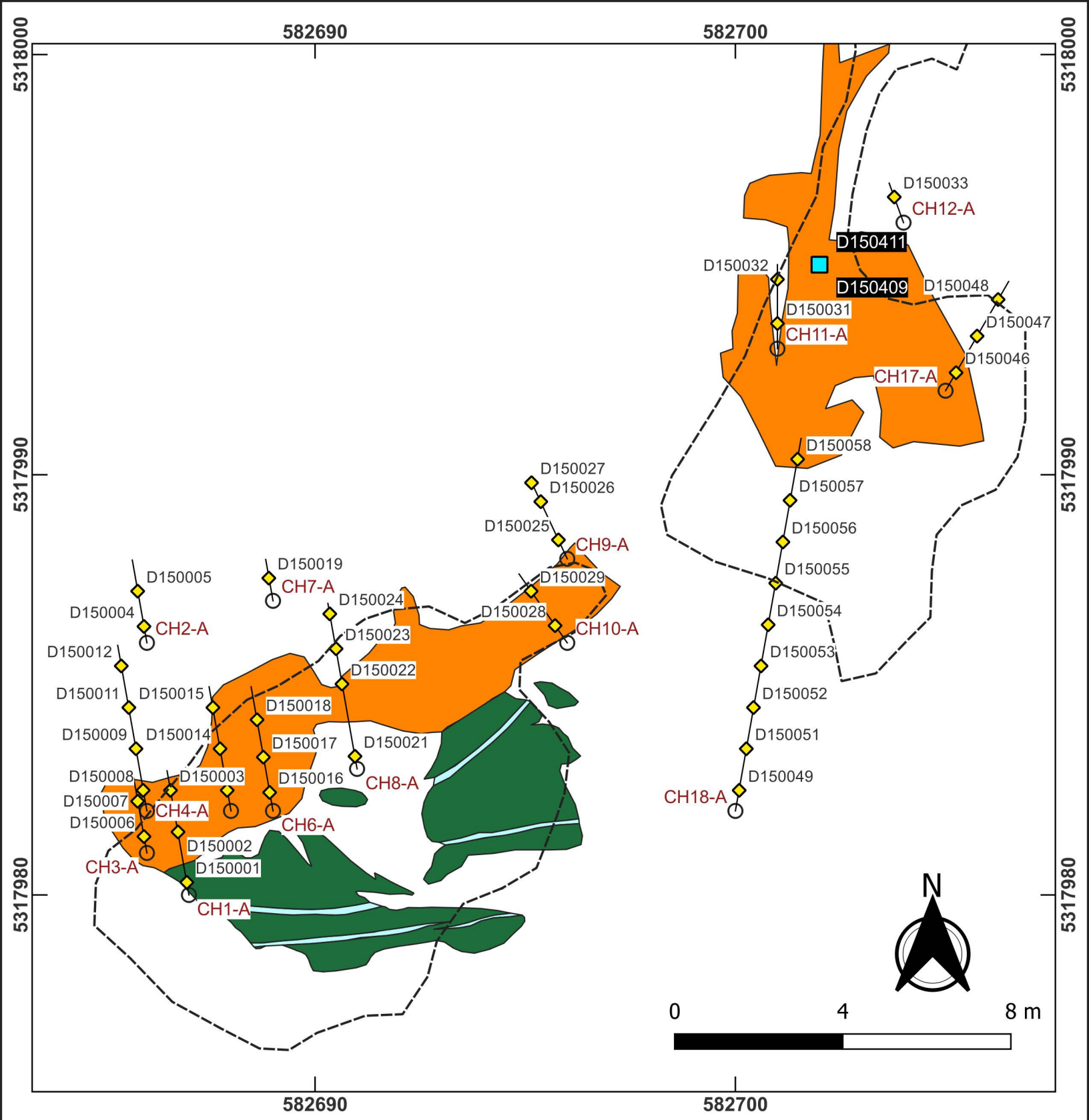
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area A (South End)
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N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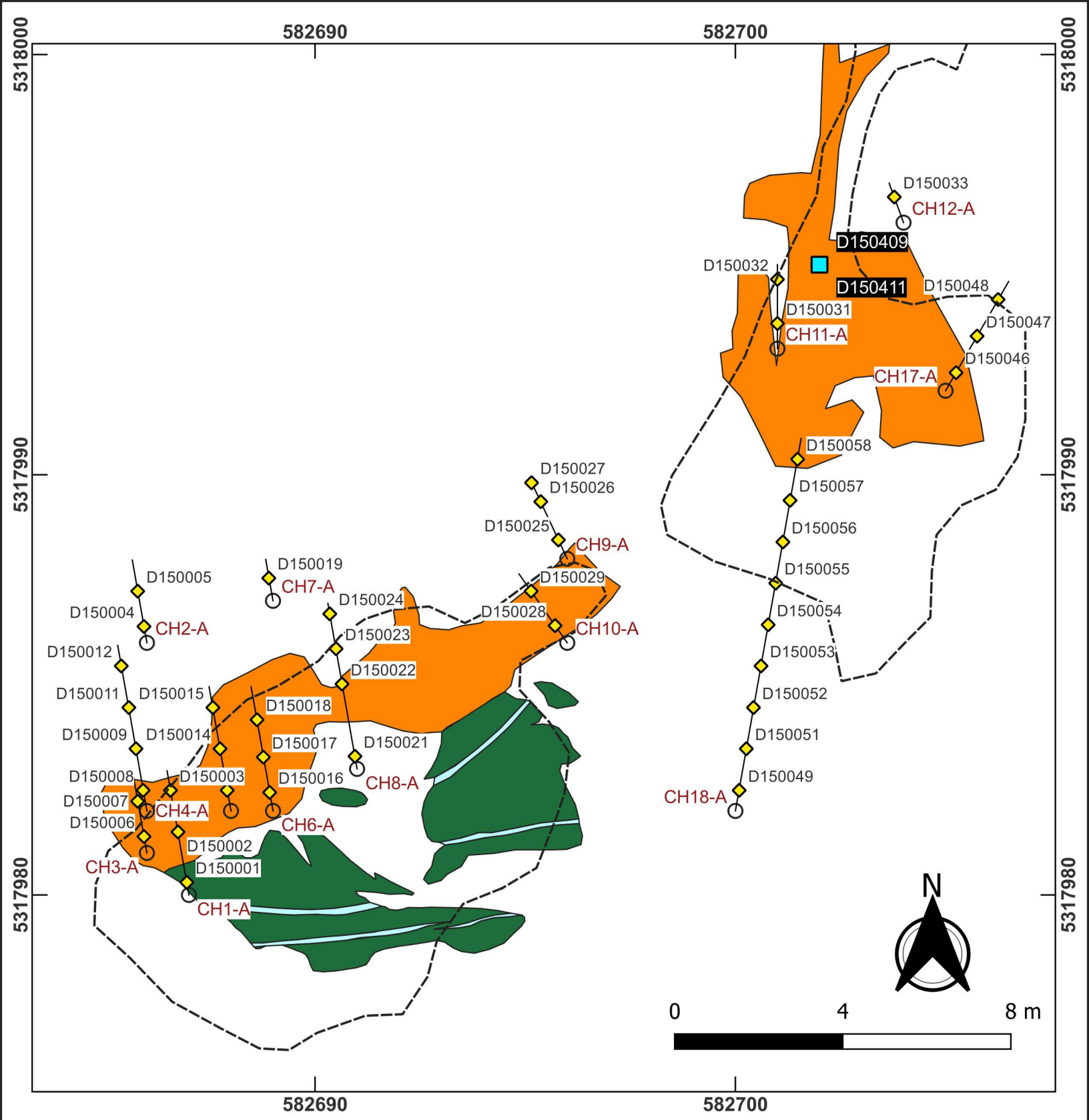
D150411
D150032
D150409
D150048
D150031
D150047
CH11-A
D150046
CH17-A
D150058
D150057
D150056
D150055
D150054
D150053
D150052
D150051
D150049
CH18-A
D150027
D150026
D150025
CH9-A
D150029
D150028
CH10-A
D150019
CH7-A
D150024
D150023
D150022
D150005
D150004
CH2-A
D150012
D150011
D150015
D150018
D150009
D150014
D150017
D150021
D150008
D150003
D150016
CH8-A
D150007
CH4-A
D150006
CH6-A
D150002
CH3-A
D150001
CH1-A
N
0
4
8 m
A Stripping Area
Channel Sample
Channel Trace
Channel Collar
Grab Sample
Geology (Rock Type)
Aplite
Mafic Volcanic
Syenite
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area A
(North End)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N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D150047
CH11-A
D150046
CH17-A
D150058
D150057
D150056
D150055
D150054
D150053
D150052
D150051
D150049
CH18-A
D150027
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CH9-A
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D150005
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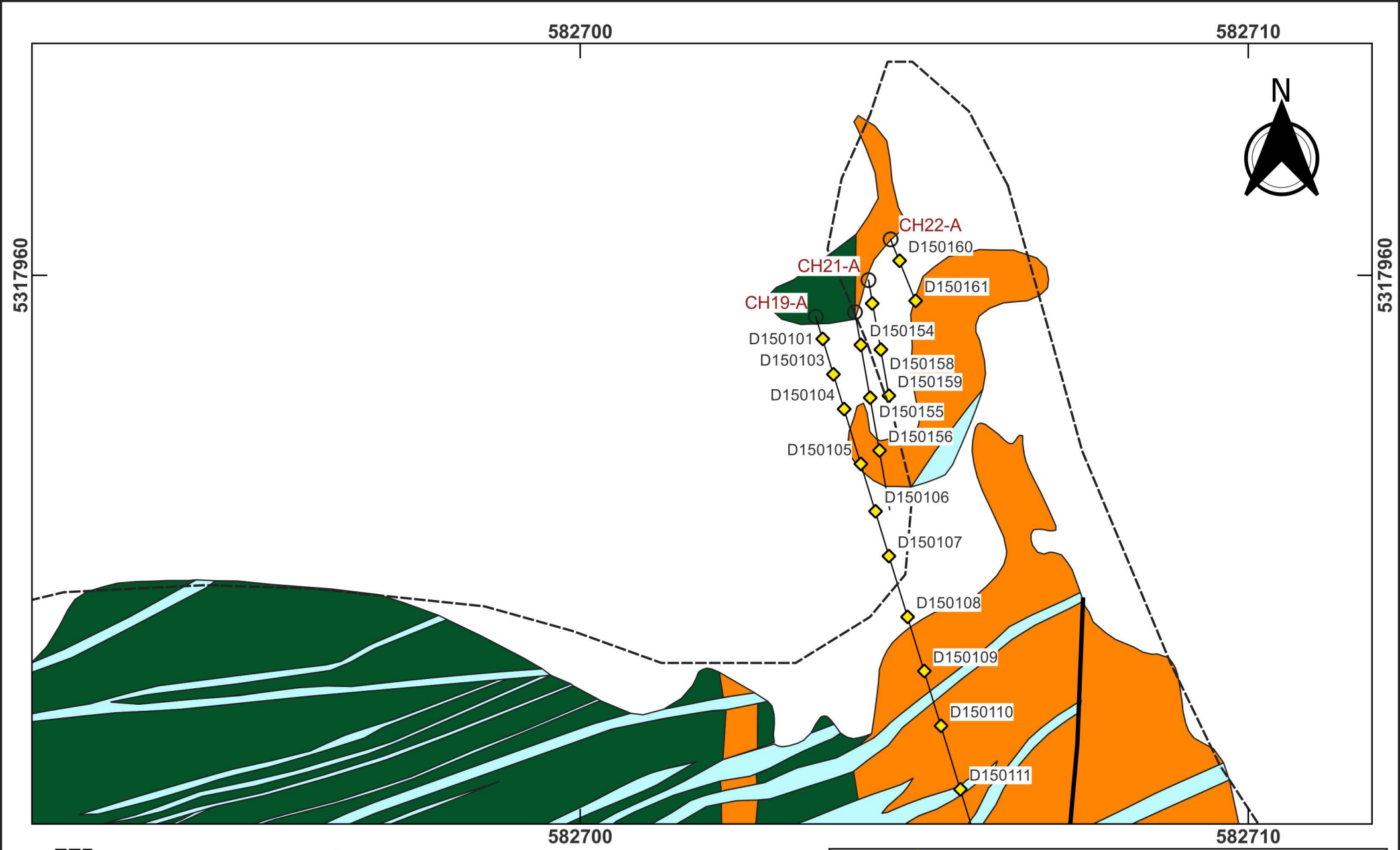
CH2-A
D150012
D150011
D150015
D150018
D150009
D150014
D150017
D150021
D150008
D150003
D150016
CH8-A
D150007
CH4-A
D150006
CH6-A
D150002
CH3-A
D150001
CH1-A
N
0
4
8 m
A Stripping Area
Channel Sample
Channel Trace
Channel Collar
Grab Sample
Geology (Rock Type)
Aplite
Massive Basalt
Syenite
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area A
(North End)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N



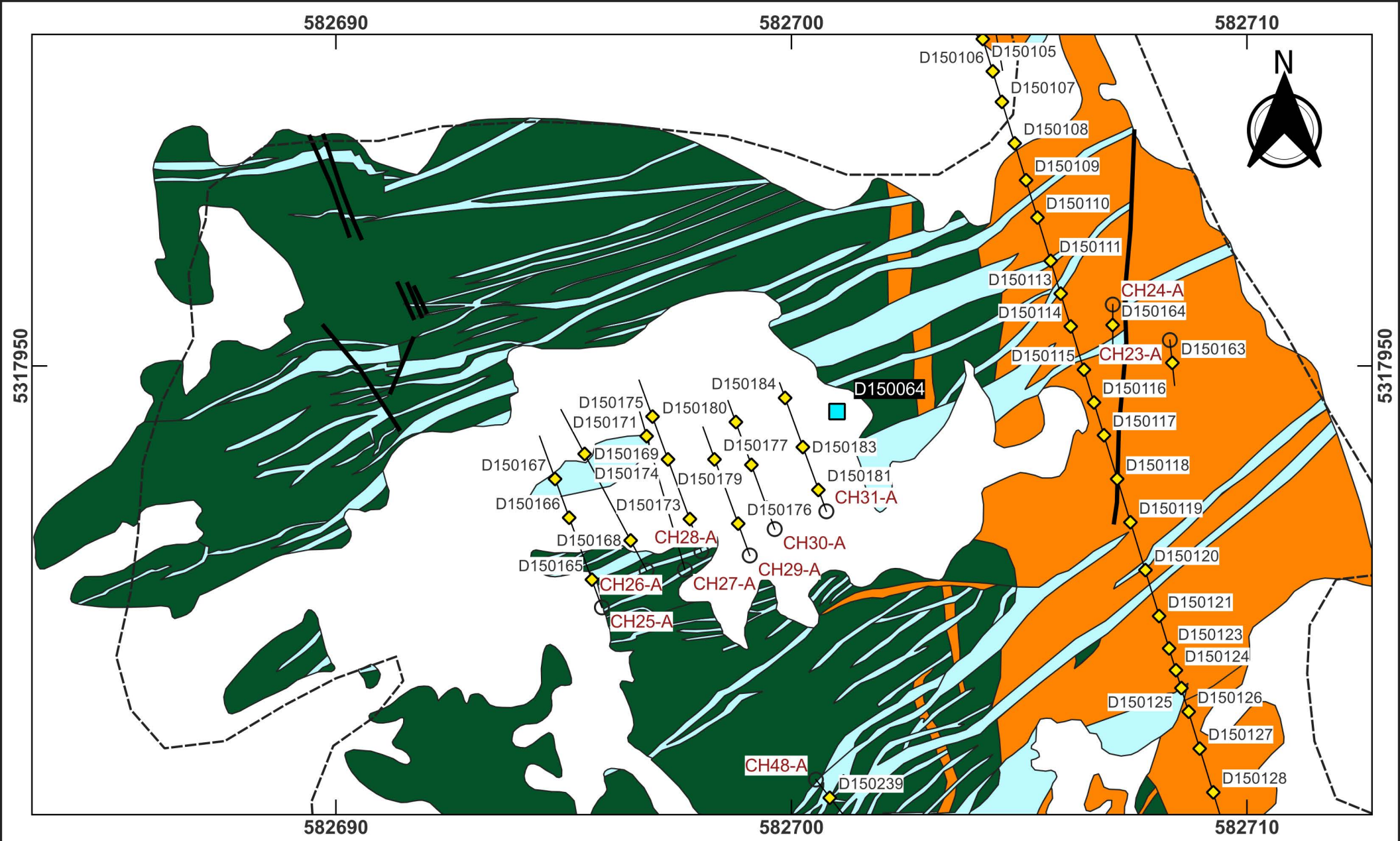
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area A (South End)
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N



A Stripping Area
Channel Sample
Channel Trace
Channel Collar
Grab Sample
Fault

0 4 8 m

Geology (Rock Type)
Aplite
Massive Basalt
Pillowed Basalt
Syenite

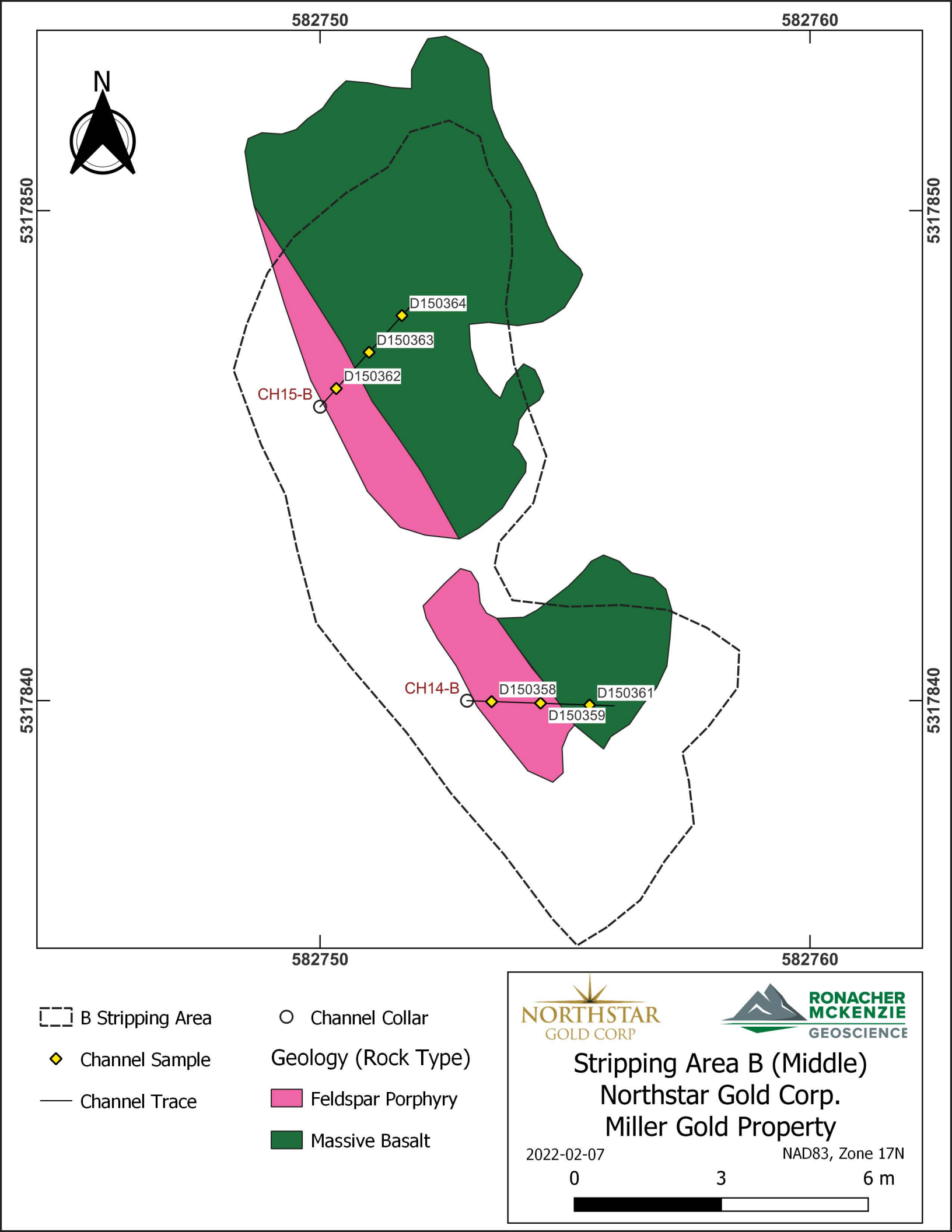
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area A (South End)
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N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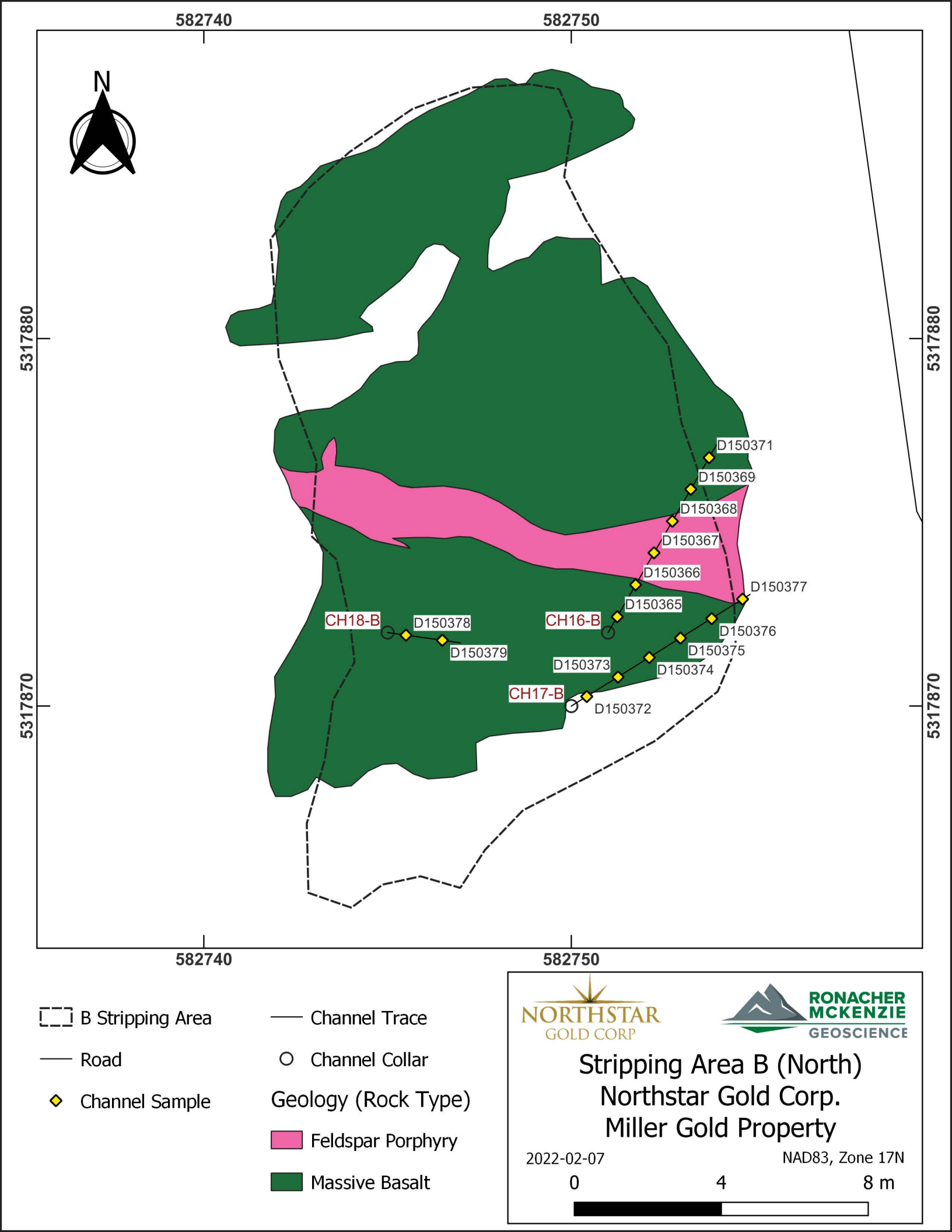
N
D150364
D150363
D150362
CH15-B
CH14-B
D150358
D150361
D150359
B Stripping Area
Channel Sample
Channel Trace
Channel Collar
Geology (Rock Type)
Feldspar Porphyry
Massive Basalt
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area B (Middle)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N
0
3
6 m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5317870
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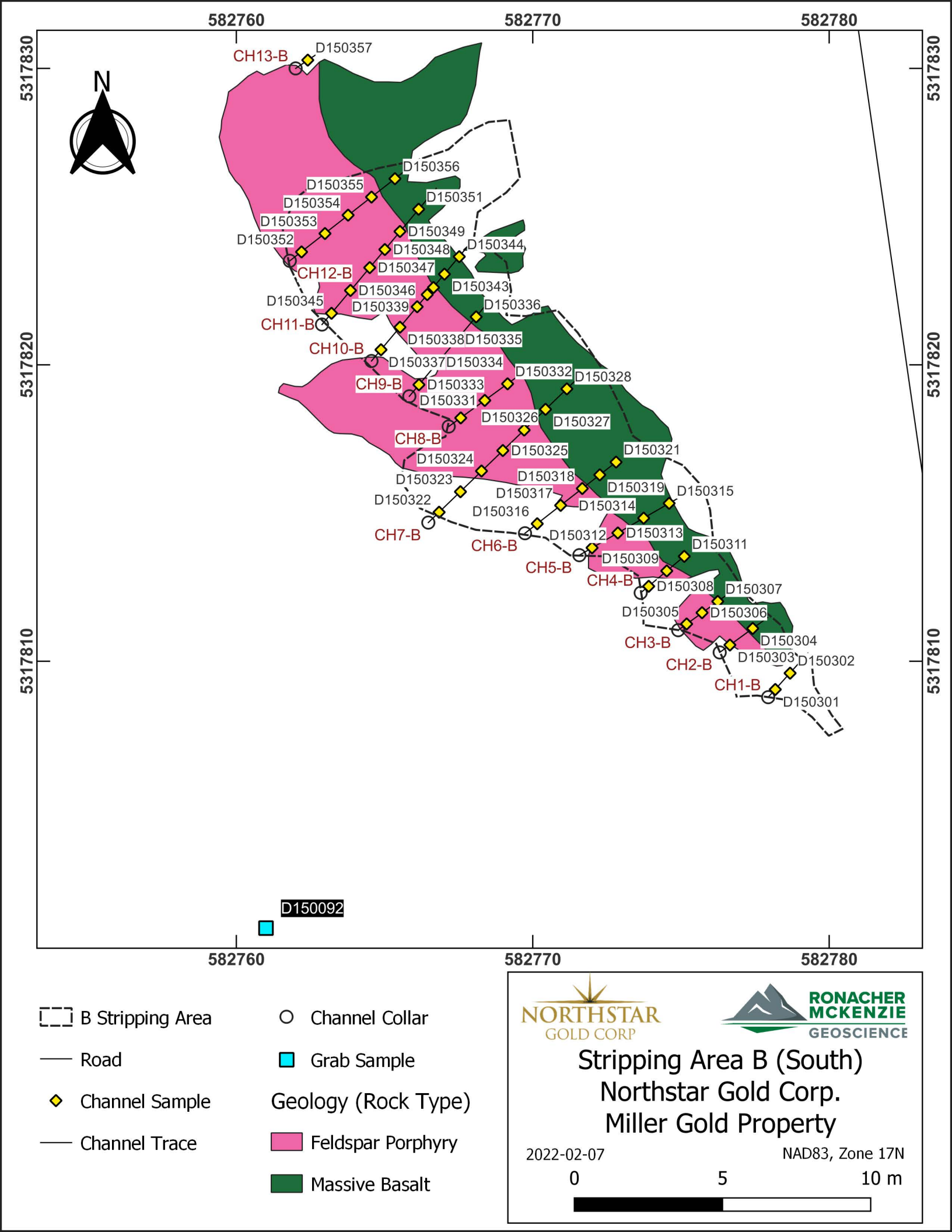
D150371
D150369
D150368
D150367
D150366
D150377
D150365
CH18-B
D150378
CH16-B
D150376
D150379
D150375
D150373
D150374
CH17-B
D150372
B Stripping Area
Road
Channel Sample
Channel Trace
Channel Collar
Geology (Rock Type)
Feldspar Porphyry
Massive Basalt
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area B (North)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N
0
4
8 m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CH13-B
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CH9-B
D150333
D150332
D150328
D150331
D150326
D150327
CH8-B
D150325
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CH6-B
D150312
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CH5-B
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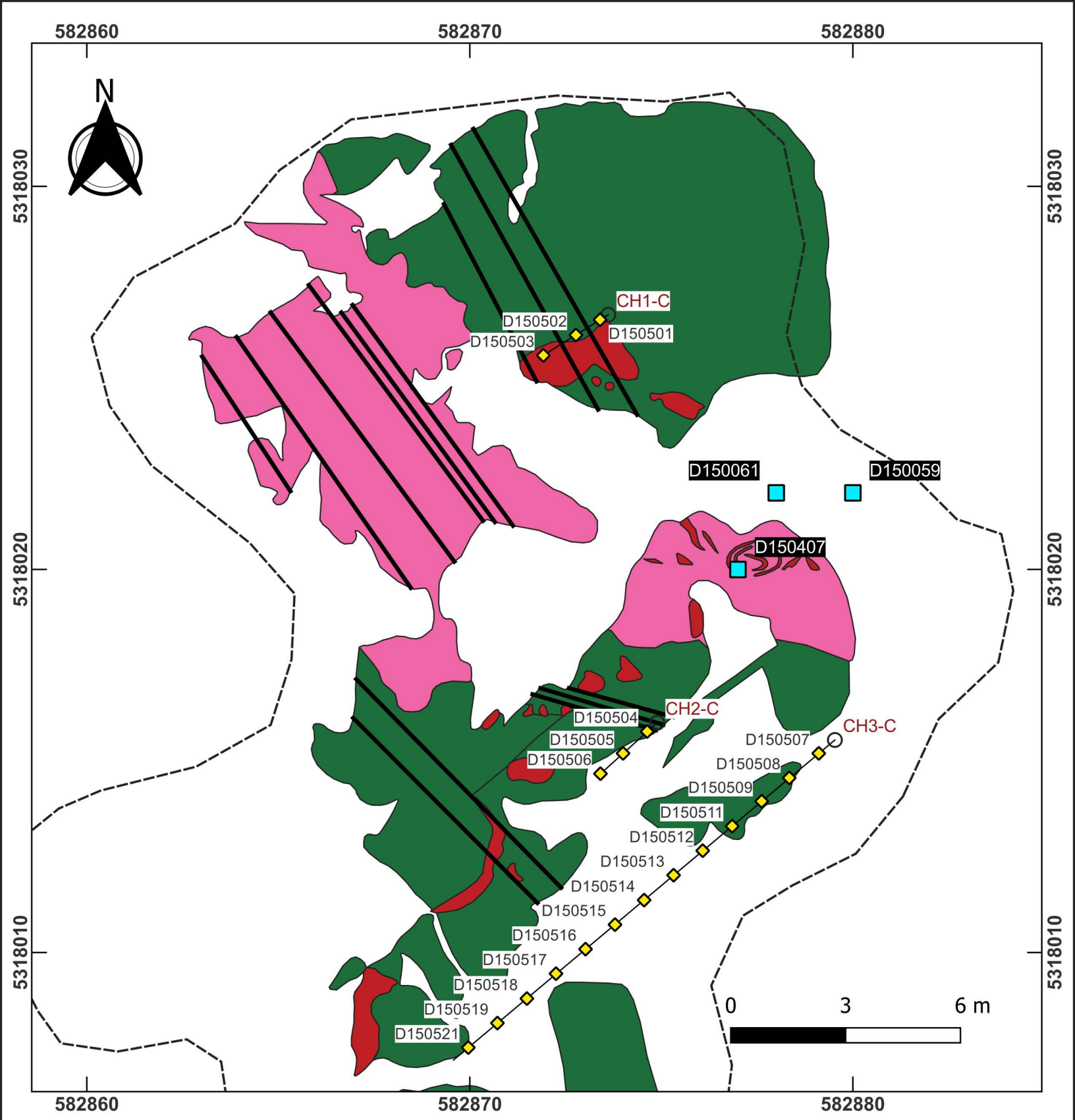
CH4-B
D150308
D150307
D150305
D150306
CH3-B
D150304
CH2-B
D150303
D150302
CH1-B
D150301
D150092
B Stripping Area
Road
Channel Sample
Channel Trace
Channel Collar
Grab Sample
Geology (Rock Type)
Feldspar Porphyry
Massive Basalt
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area B (South)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N
0
5
10 m



C1 Stripping Area
Channel Sample
Channel Trace
Channel Collar
Grab Sample
Fault

Geology (Rock Type)
Feldspar Porphyry
Massive Basalt
Quartz Vein

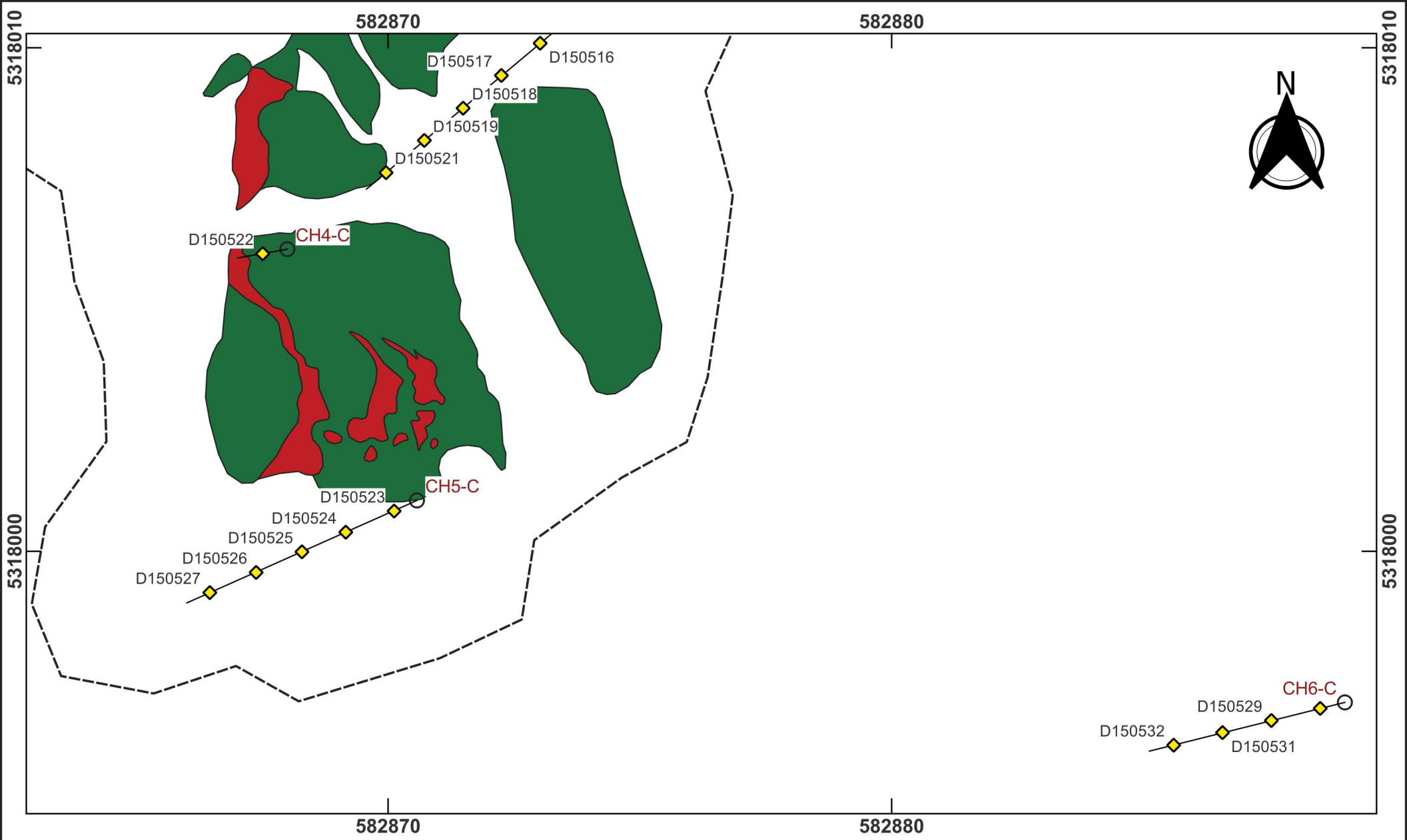
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area C1
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N



C1 Stripping Area
Channel Trace
Channel Sample
Channel Collar

Geology (Rock Type)
Massive Basalt
Quartz Vein

0 3 6 m

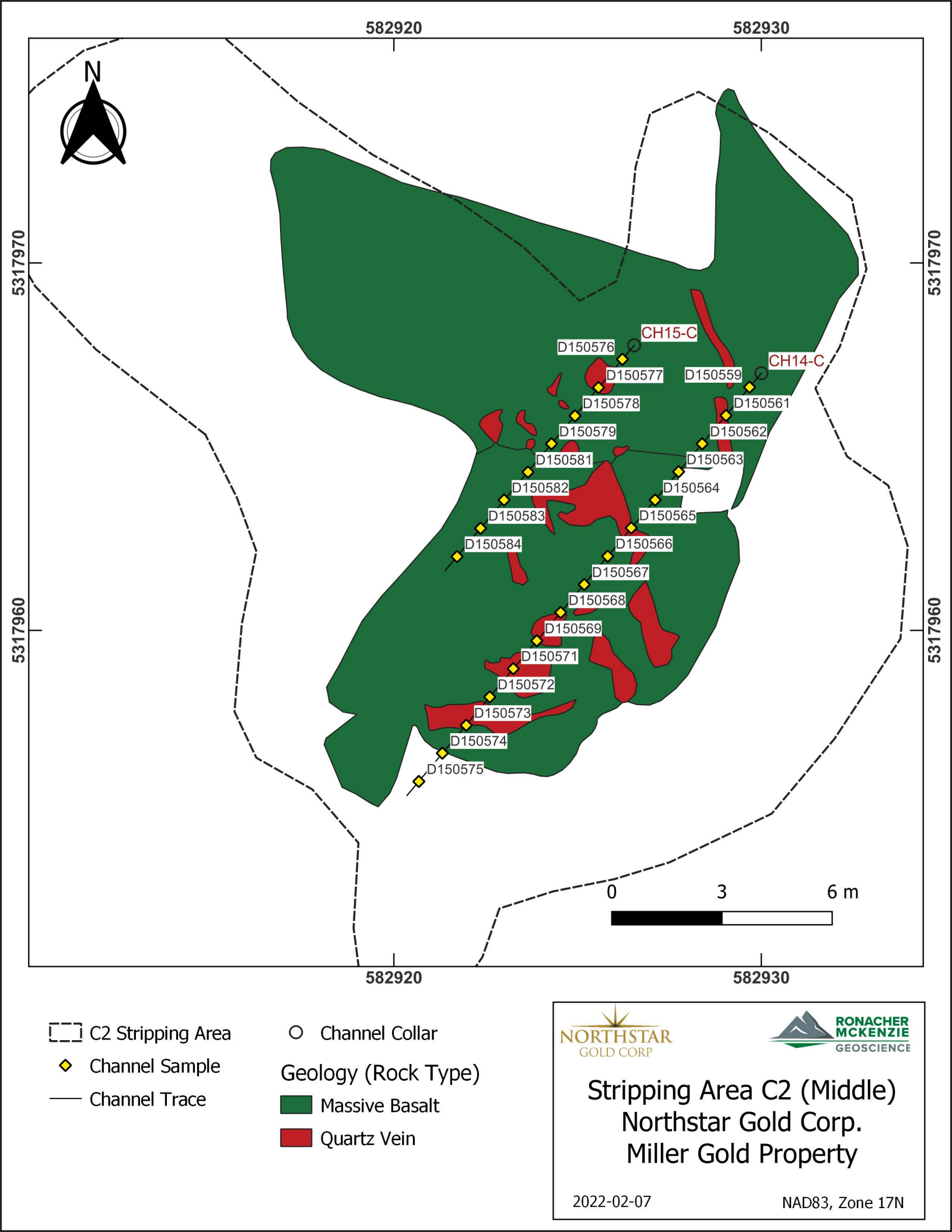
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area C1 (South)
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N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5317960
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CH15-C
CH14-C
D150576
D150577
D150578
D150579
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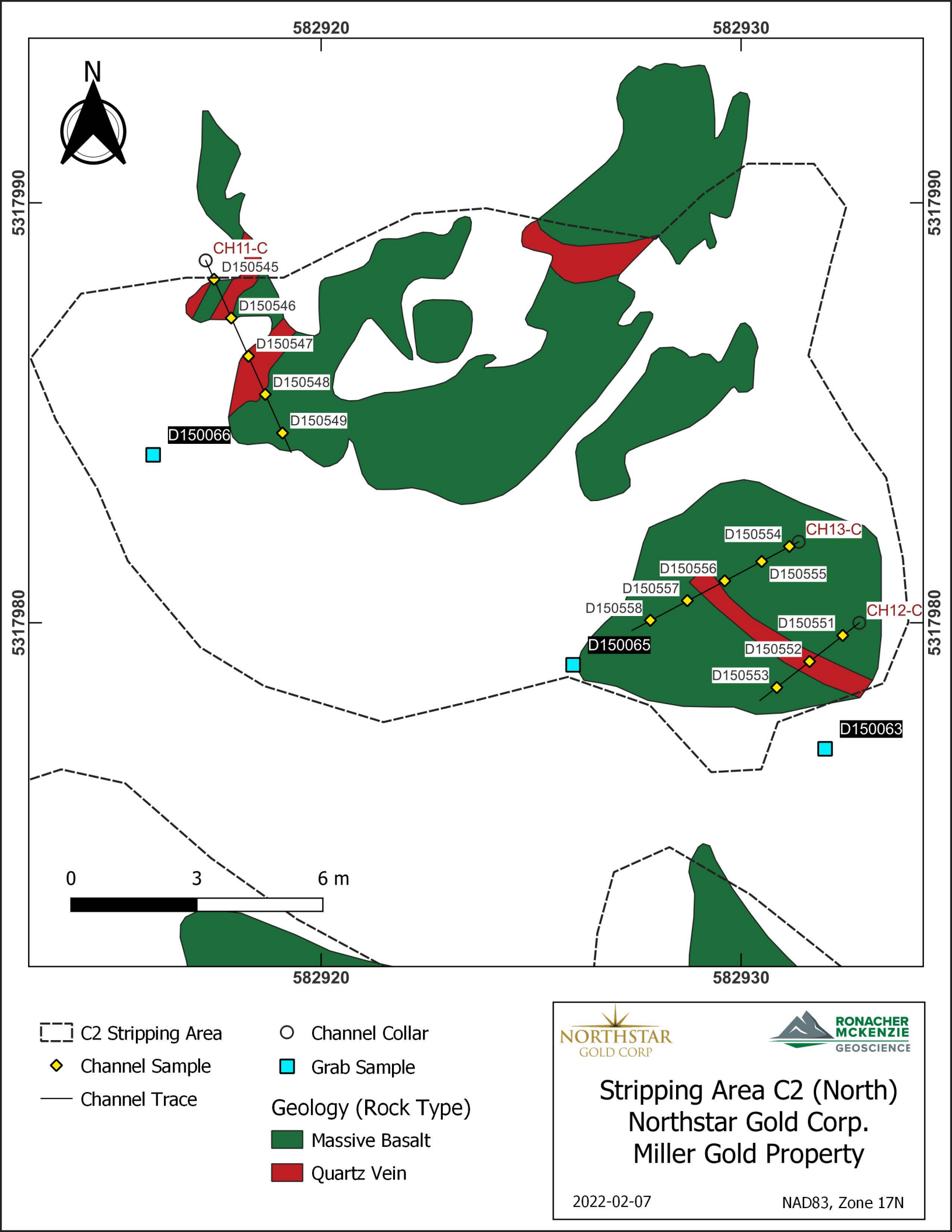
D150582
D150583
D150584
D150559
D150561
D150562
D150563
D150564
D150565
D150566
D150567
D150568
D150569
D150571
D150572
D150573
D150574
D150575
0
3
6 m
C2 Stripping Area
Channel Sample
Channel Trace
Channel Collar
Geology (Rock Type)
Massive Basalt
Quartz Vein
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area C2 (Middle)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N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5317980
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CH11-C
D150545
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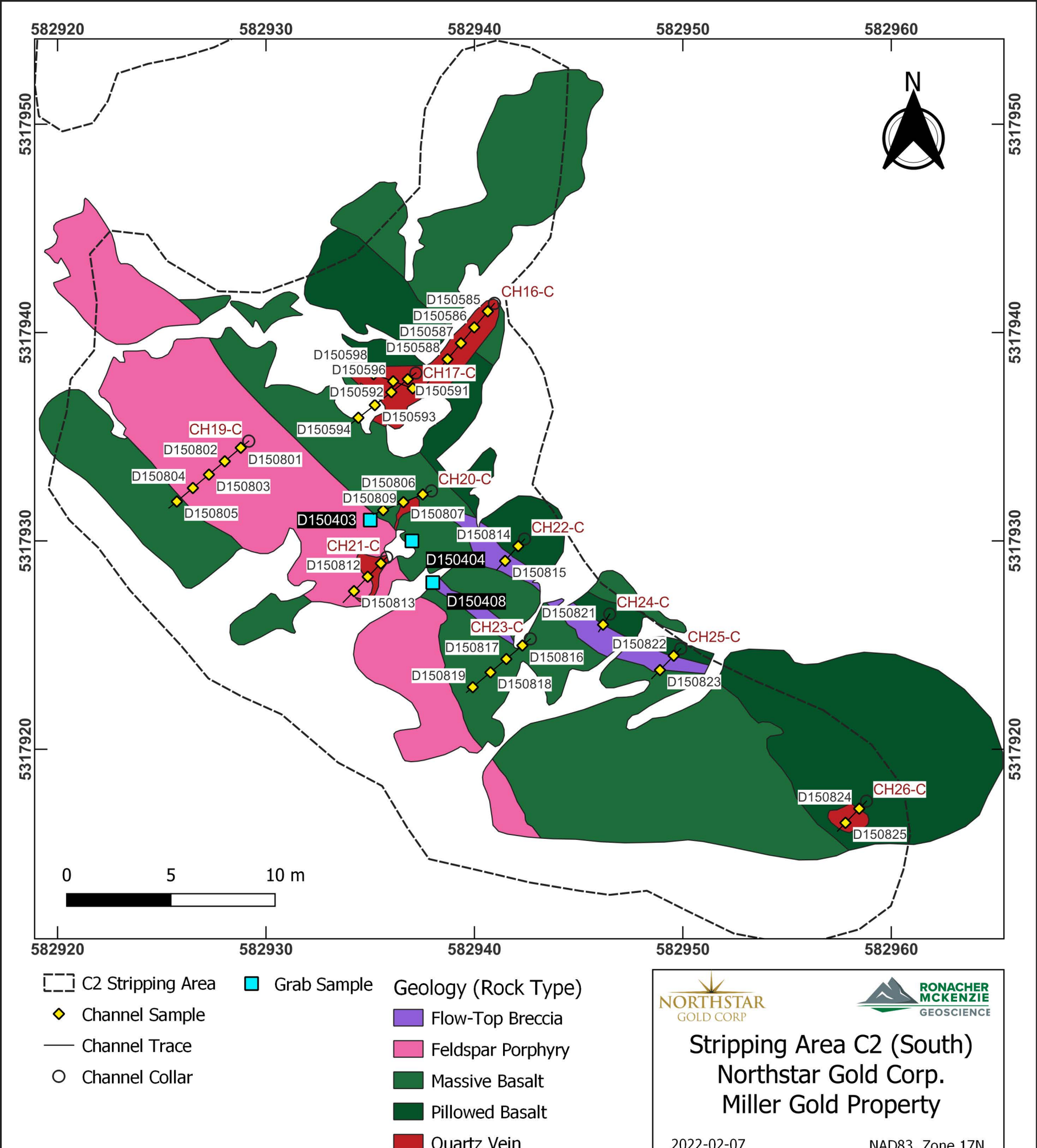
CH13-C
D150556
D150555
D150557
D150558
D150065
CH12-C
D150551
D150552
D150553
D150063
0
3
6 m
C2 Stripping Area
Channel Sample
Channel Trace
Channel Collar
Grab Sample
Geology (Rock Type)
Massive Basalt
Quartz Vein
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area C2 (North)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N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N
CH16-C
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D150586
D150587
D150588
D150598
D150596
CH17-C
D150592
D150591
D150593
D150594
CH19-C
D150802
D150801
D150804
D150803
D150805
D150806
CH20-C
D150809
D150807
D150403
CH21-C
D150812
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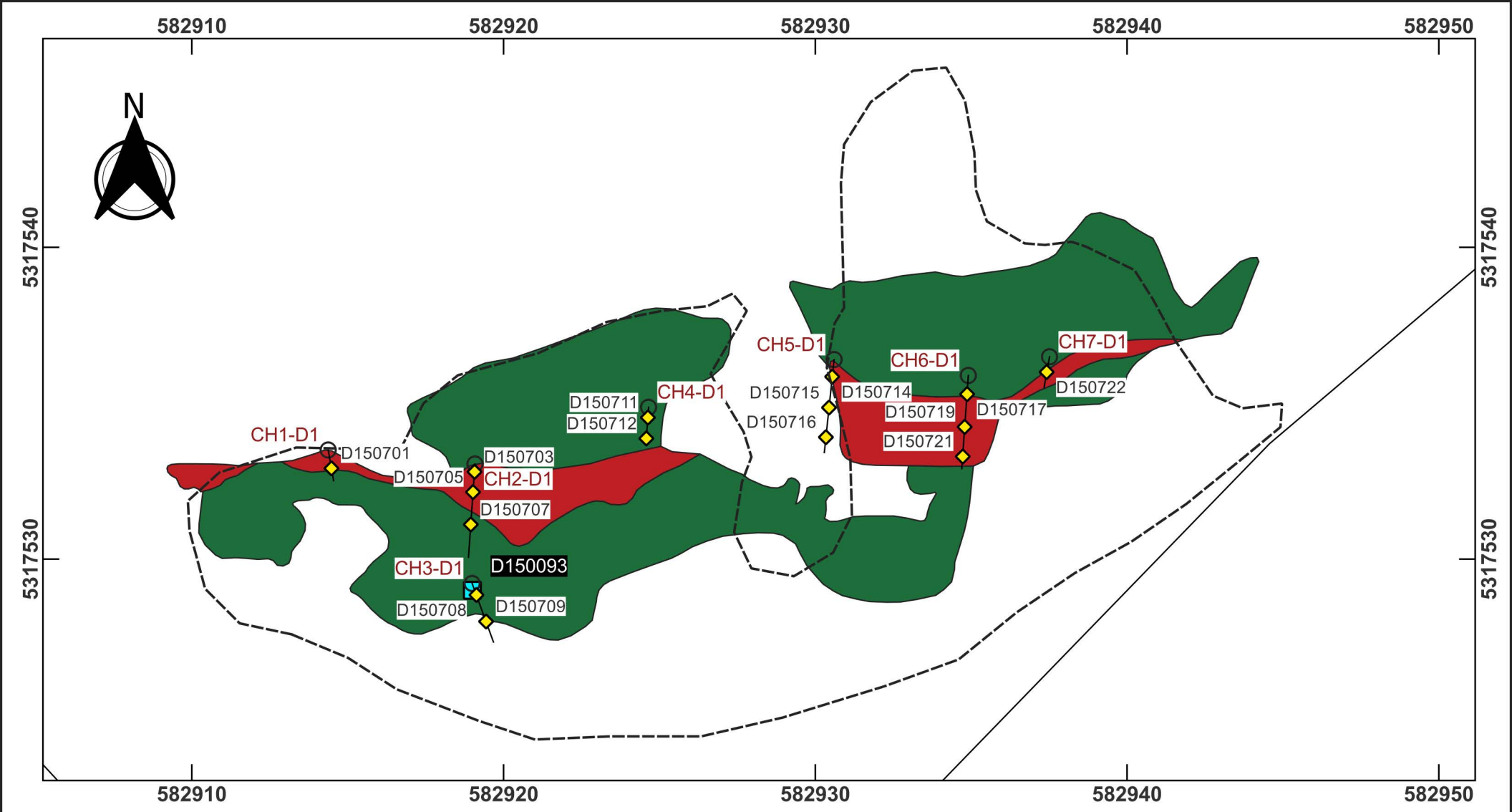
D150814
CH22-C
D150815
D150408
D150821
CH24-C
CH23-C
D150817
D150816
D150819
D150818
D150822
CH25-C
D150823
D150824
CH26-C
D150825
0
5
10 m
C2 Stripping Area
Grab Sample
Channel Sample
Channel Trace
Channel Collar
Geology (Rock Type)
Flow-Top Breccia
Feldspar Porphyry
Massive Basalt
Pillowed Basalt
Quartz Vein
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area C2 (South)
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N



D1 Stripping Area Outline

Road

Channel Sample

Channel Trace

Channel Collar

Grab Sample

Geology (Rock Type)

Massive Basalt

Quartz Vein

NORTHSTAR GOLD CORP

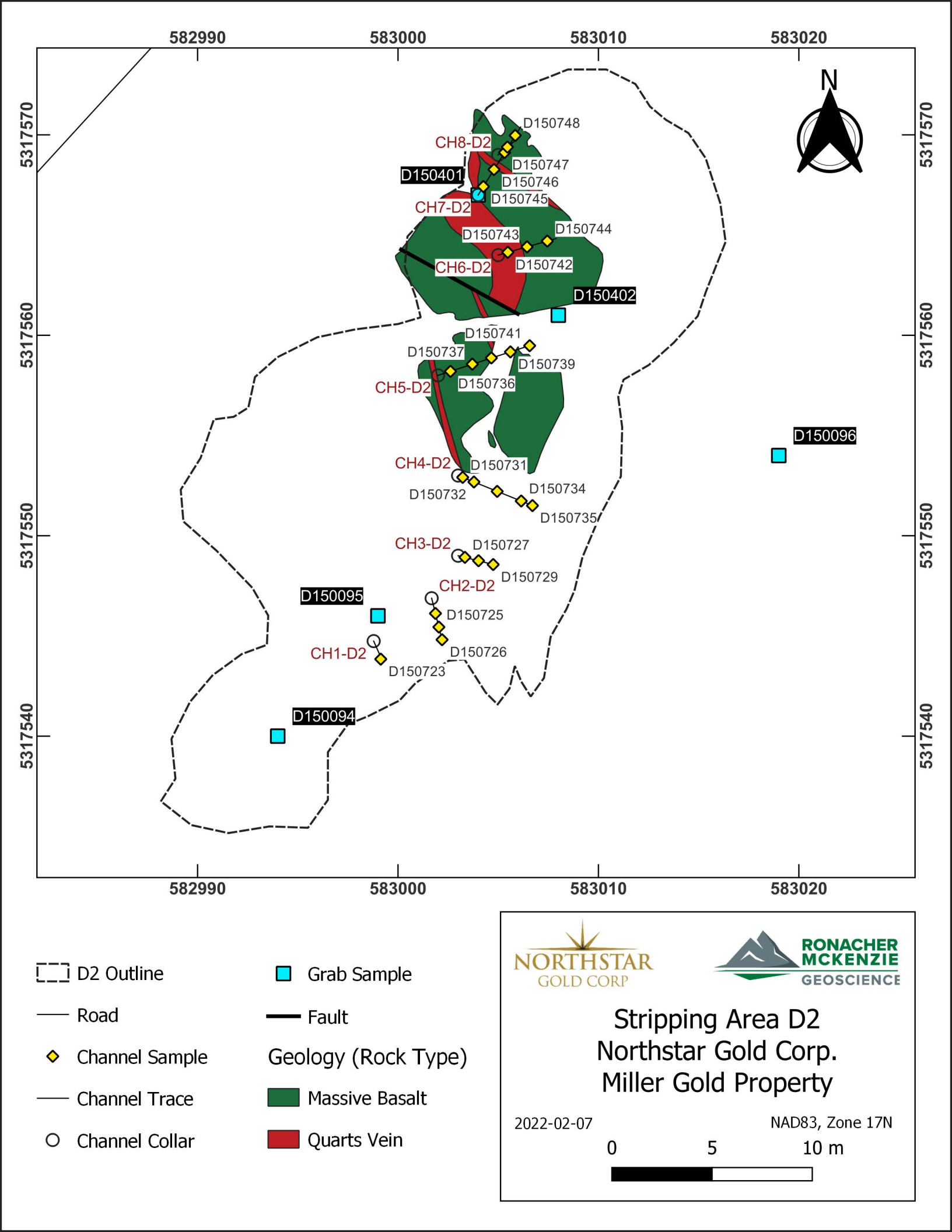
RONACHER MCKENZIE GEOSCIENCE

Stripping Area D1
Northstar Gold Corp.
Miller Gold Property

2022-02-07

NAD83, Zone 17N

0 5 10 m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5317560
5317550
5317540
N
D150748
CH8-D2
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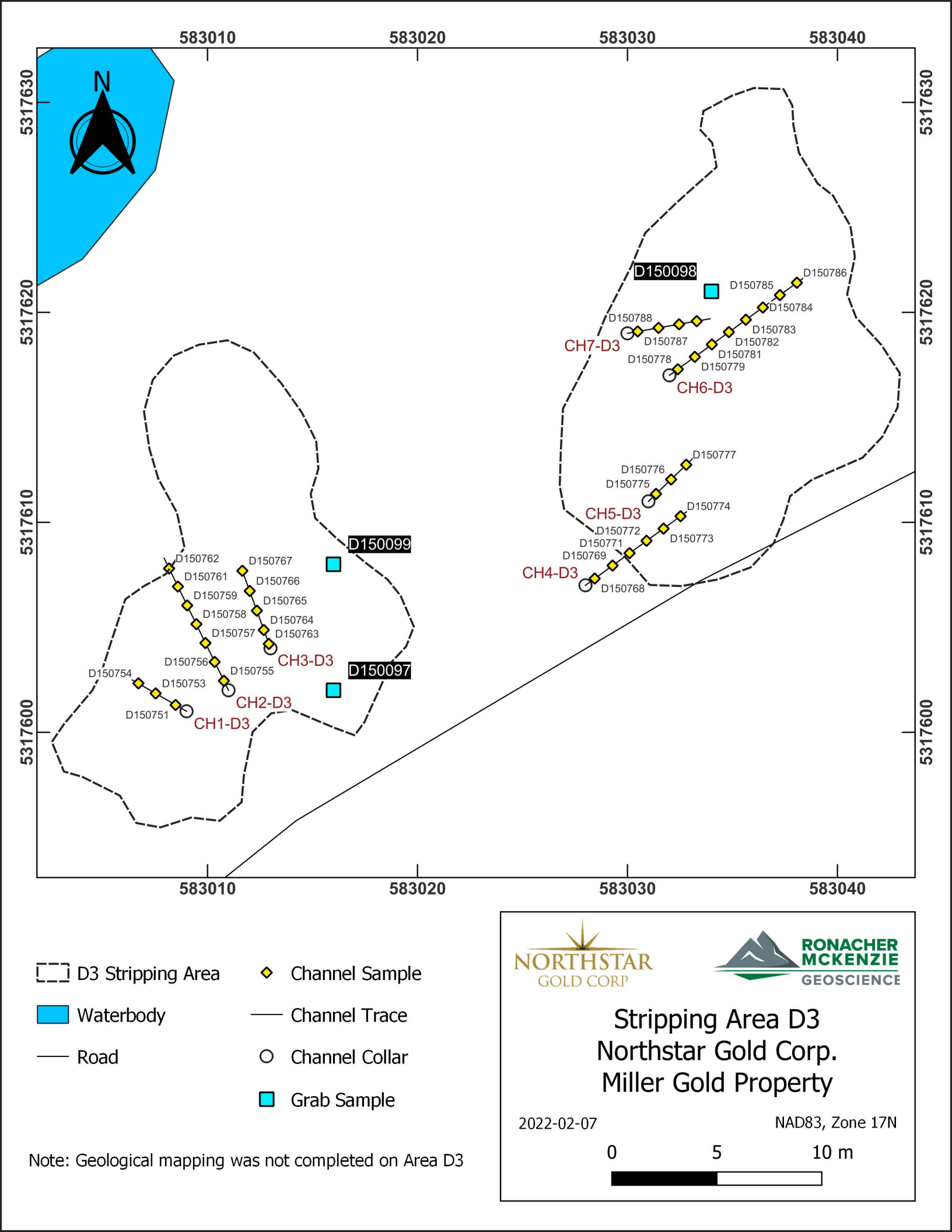
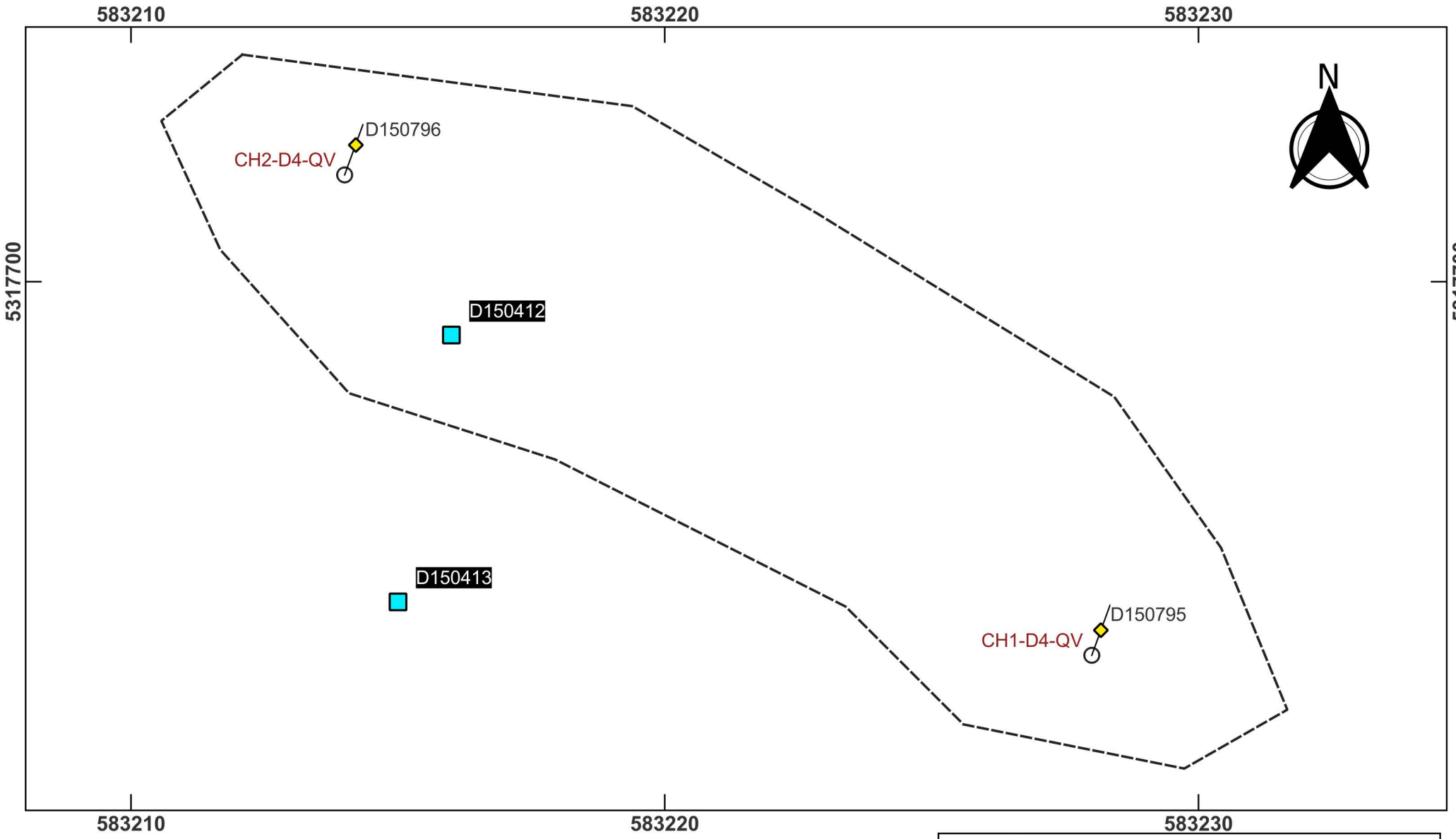
D150745
CH7-D2
D150744
D150743
CH6-D2
D150742
D150402
D150741
D150737
D150739
CH5-D2
D150736
D150096
CH4-D2
D150731
D150732
D150734
D150735
CH3-D2
D150727
D150729
CH2-D2
D150095
D150725
CH1-D2
D150726
D150723
D150094
D2 Outline
Road
Channel Sample
Channel Trace
Channel Collar
Grab Sample
Fault
Geology (Rock Type)
Massive Basalt
Quarts Vein
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area D2
Northstar Gold Corp.
Miller Gold Property
2022-02-07
NAD83, Zone 17N
0
5
10 m



Note: Geological mapping was not completed on Area D3



D4 Stripping Area
Channel Trace
Grab Sample
Channel Sample
Channel Collar

Note: Geological mapping was not completed on Area D4

0 5 10 m

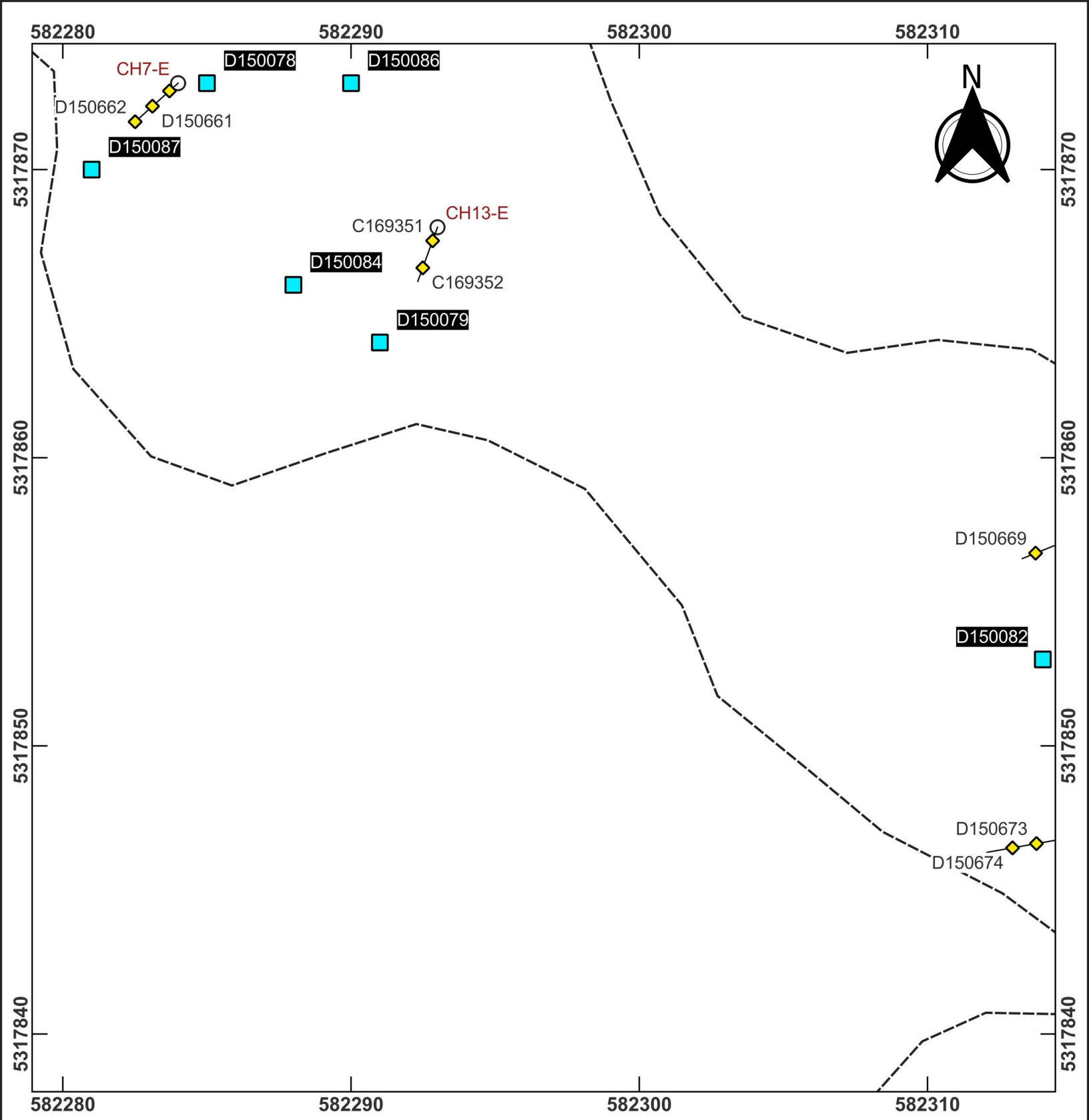
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area D4
Northstar Gold Corp.
Miller Gold Property

2022-02-08

NAD83, Zone 17N



E Stripping Area
Channel Collar
Channel Sample
Grab Sample
Channel Trace

Note: Geological mapping not completed on Stripping Area E

0 5 10 m

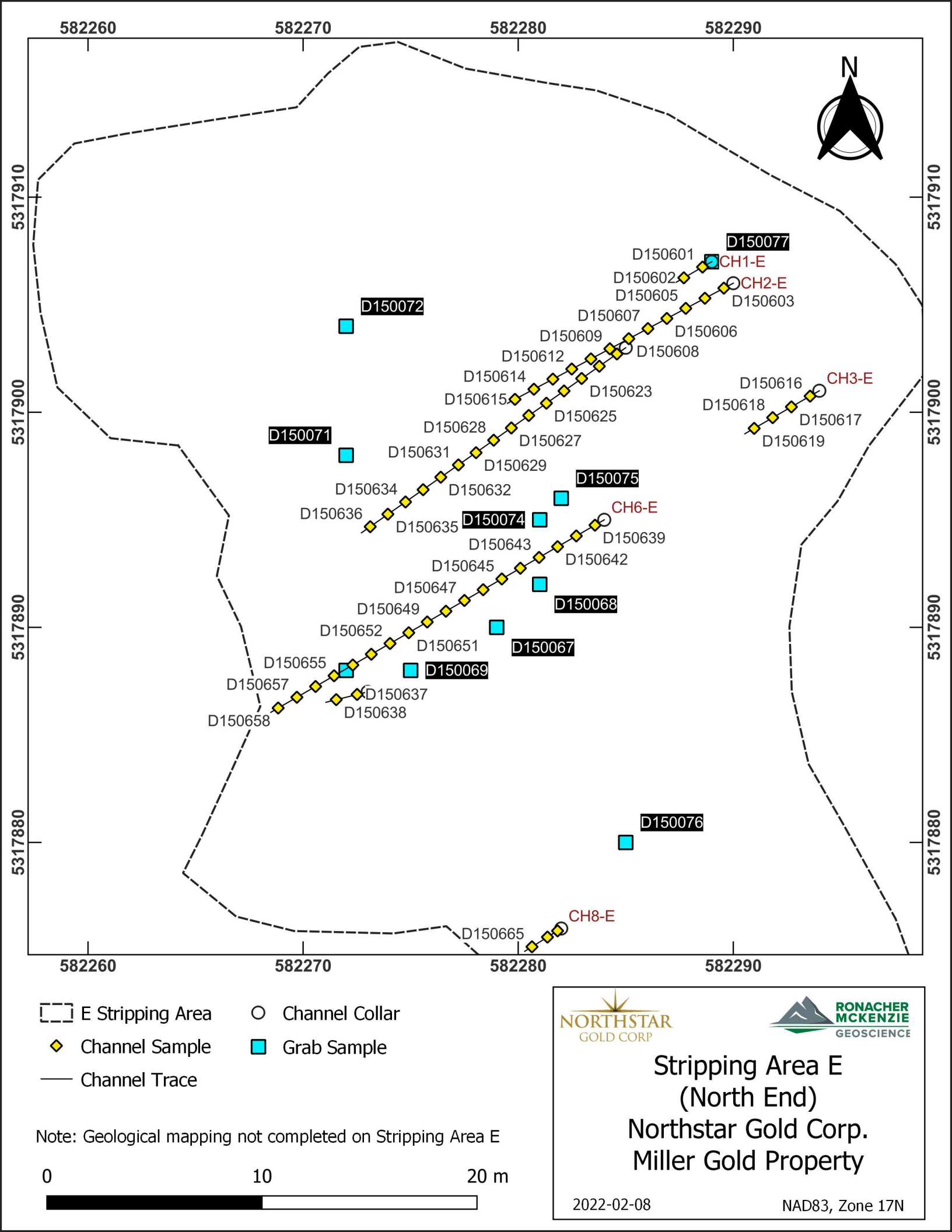
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area E (Middle) Northstar Gold Corp. Miller Gold Property

2022-02-08

NAD83, Zone 17N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5317890
5317880
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D150601
CH1-E
D150602
CH2-E
D150605
D150603
D150607
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D150609
D150608
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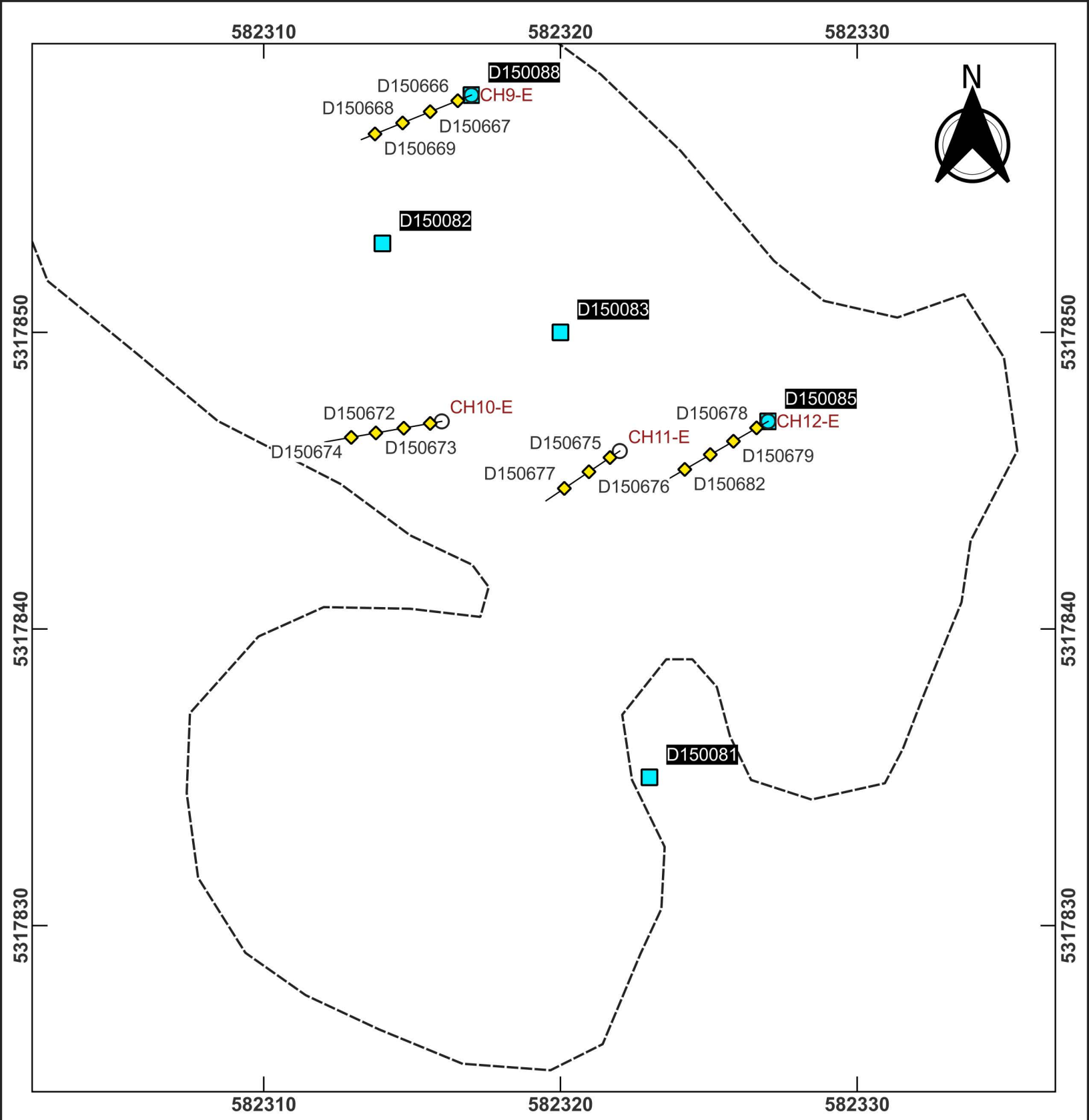
D150614
D150623
D150615
D150625
D150628
D150627
D150631
D150629
D150634
D150632
D150636
D150635
CH6-E
D150639
D150643
D150642
D150645
D150647
D150649
D150652
D150651
D150655
D150657
D150658
D150637
D150638
D150616
CH3-E
D150618
D150617
D150619
D150072
D150071
D150075
D150074
D150068
D150067
D150069
D150076
CH8-E
D150665
E Stripping Area
Channel Collar
Channel Sample
Grab Sample
Channel Trace
Note: Geological mapping not completed on Stripping Area E
0
10
20 m
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Stripping Area E
(North End)
Northstar Gold Corp.
Miller Gold Property
2022-02-08
NAD83, Zone 17N



E Stripping Area
Channel Collar
Channel Sample
Grab Sample
Channel Trace

Note: Geological mapping not completed on Stripping Area E

0 5 10 m

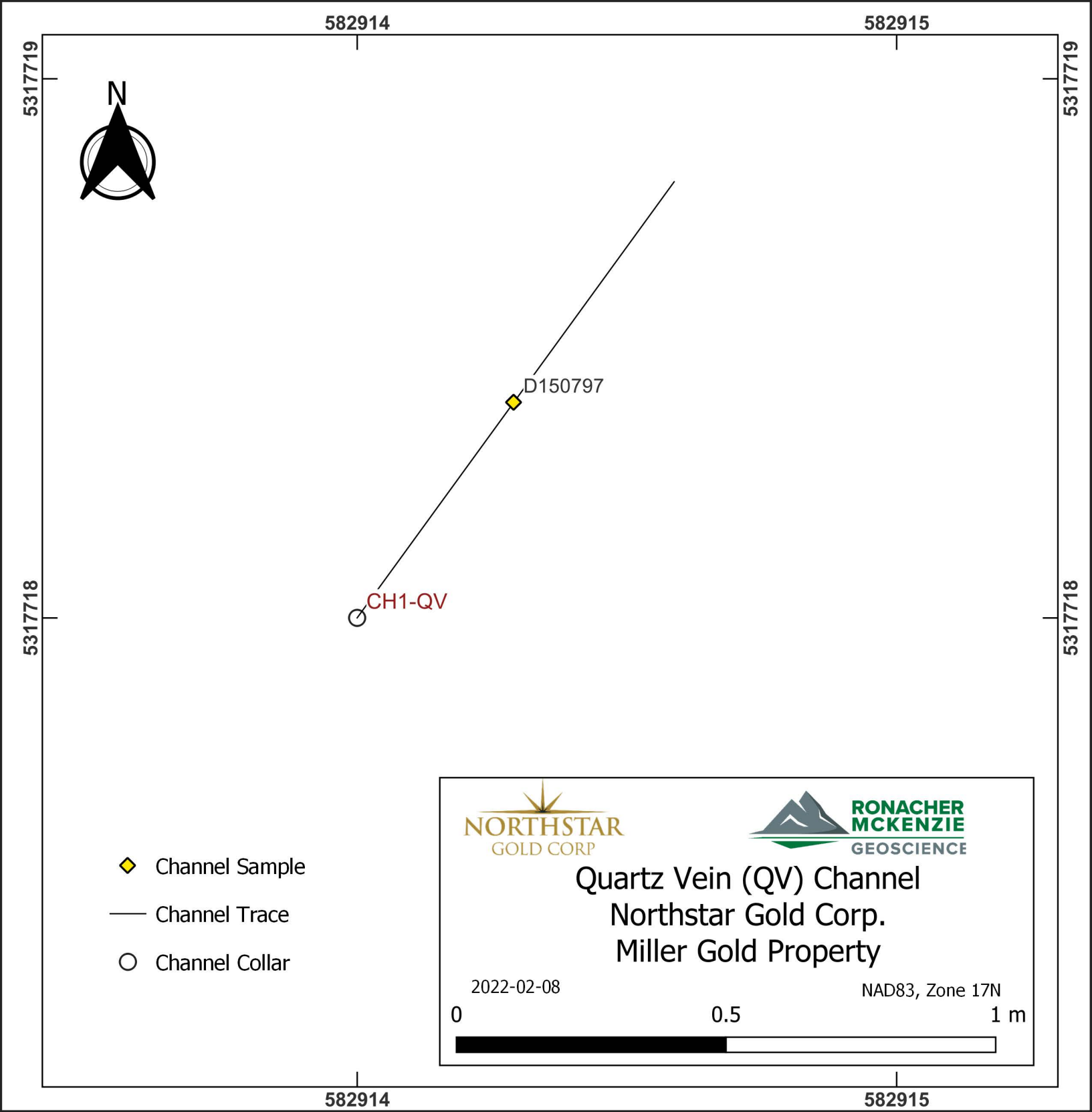
NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

Stripping Area E (South End) Northstar Gold Corp. Miller Gold Property

2022-02-08

NAD83, Zone 17N


582914
582915
5317719
5317718
N
D150797
CH1-QV
Channel Sample
Channel Trace
Channel Collar
NORTHSTAR GOLD CORP
RONACHER MCKENZIE GEOSCIENCE
Quartz Vein (QV) Channel
Northstar Gold Corp.
Miller Gold Property
2022-02-08
NAD83, Zone 17N
0
0.5
1 m

Appendix 5

Channel Sample Summary Table

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150001	CH1-A	0.00	0.60	582686.95	5317980.30	0.004	basalt, no veins
D150002	CH1-A	1.00	2.05	582686.74	5317981.50	0.077	syenite
D150003	CH1-A	2.05	3.00	582686.56	5317982.49	0.035	syenite
D150004	CH2-A	0.00	0.80	582685.93	5317986.39	0.049	syenite
D150005	CH2-A	0.80	1.70	582685.78	5317987.23	0.032	syenite
D150006	CH3-A	0.00	0.80	582685.93	5317981.39	0.029	syenite
D150007	CH3-A	0.80	1.70	582685.78	5317982.23	0.037	syenite
D150008	CH4-A	0.00	1.00	582685.91	5317982.49	0.043	syenite
D150009	CH4-A	1.00	2.00	582685.74	5317983.48	0.485	syenite
D150011	CH4-A	2.00	3.00	582685.57	5317984.46	0.056	syenite
D150012	CH4-A	3.00	4.00	582685.39	5317985.45	0.213	syenite, numerous quartz stringers 1-2mm wide with abundant pyrite
D150013	CH5-A	0.00	1.00	582687.91	5317982.49	1.025	syenite
D150014	CH5-A	1.00	2.00	582687.74	5317983.48	0.052	syenite
D150015	CH5-A	2.00	3.00	582687.57	5317984.46	0.038	syenite
D150016	CH6-A	0.00	0.90	582688.92	5317982.44	0.014	syenite
D150017	CH6-A	0.90	1.70	582688.77	5317983.28	0.061	syenite
D150018	CH6-A	1.70	2.70	582688.62	5317984.17	0.053	syenite
D150019	CH7-A	0.00	1.10	582688.90	5317987.54	1.220	syenite
D150021	CH8-A	0.00	0.60	582690.95	5317983.30	0.006	basalt
D150022	CH8-A	1.60	2.50	582690.64	5317985.02	0.165	syenite
D150023	CH8-A	2.50	3.30	582690.50	5317985.86	0.116	syenite
D150024	CH8-A	3.30	4.20	582690.35	5317986.69	0.012	syenite
D150025	CH9-A	0.00	1.00	582695.79	5317988.45	0.028	syenite, hematite and chlorite altered and disseminated pyrite. 1cm wide pyrite bearing (1-3%) quartz vein.
D150026	CH9-A	1.00	2.00	582695.37	5317989.36	0.024	syenite, hematite and chlorite altered. No veins. Disseminated pyrite.
D150027	CH9-A	2.00	2.50	582695.15	5317989.81	4.390	syenite, hematite and chlorite altered. No veins.
D150028	CH10-A	0.00	1.00	582695.71	5317986.41	0.119	hematite and chlorite altered syenite. Shallow quartz veins with pyrite.
D150029	CH10-A	1.00	2.00	582695.14	5317987.23	0.134	hematite and chlorite altered syenite with pyrite.
D150031	CH11-A	0.00	1.20	582701.00	5317993.60	0.769	Syenite. Extremely chlorite altered. Disseminated pyrite (1%)
D150032	CH11-A	1.20	2.10	582701.00	5317994.65	0.020	Chlorite altered syenite, disseminated pyrite 1%. Narrow 3mm wide flat quartz vein.
D150033	CH12-A	0.00	1.30	582703.78	5317996.61	0.025	syenite
D150034	CH13-A	0.00	1.00	582706.91	5318004.49	0.019	syenite, no veins, <1% pyrite disseminated.
D150035	CH13-A	1.00	2.00	582706.74	5318005.48	0.012	syenite
D150036	CH14-A	0.00	0.90	582719.59	5318016.19	0.001	chlorite and hematite altered syenite, no pyrite, no veins. Taken across deformation zone.
D150037	CH14-A	0.90	1.90	582718.73	5318016.59	0.001	chlorite and hematite altered syenite, no pyrite, no veins. Taken across deformation zone.
D150038	CH14-A	1.90	2.80	582717.87	5318016.99	0.003	chlorite and hematite altered syenite, no veins. <1% pyrite. Taken across deformation zone. Thin ~2cm wide aplite dike.
D150039	CH15-A	0.00	1.00	582718.55	5318020.23	0.005	hematite and chlorite altered syenite. Minor thin aplite dikes <1% pyrite 0.5cm wide flat quartz vein and 0.5cm wide sub vertical NNE quartz vein.
D150041	CH15-A	1.00	2.00	582717.66	5318020.68	0.001	hematite and chlorite altered syenite. Minor thin aplite dikes. No quartz veins, no pyrite.
D150042	CH15-A	2.00	3.00	582716.77	5318021.13	0.105	hematite and chlorite altered syenite. 0.5 cm wide sub vertical. No pyrite
D150043	CH15-A	3.00	4.00	582715.88	5318021.59	0.011	hematite and chlorite altered syenite. Thin aplite dike. Minor quartz vein and <1% pyrite.
D150044	CH16-A	0.00	0.70	582723.67	5318009.12	0.038	syenite with abundant stringer quartz veins. Pyrite. Thin ~1mm wide chlorite, chalcopyrite and quartz veins (shallow dipping)
D150045	CH16-A	0.70	1.40	582723.06	5318009.34	0.189	syenite with flat lying quartz, chlorite sulfide veins. Chlorite, hematite and albite? Altered. More pale. ~3% chalcopyrite and pyrite.
D150046	CH17-A	0.00	1.00	582705.25	5317992.43	0.049	3 to 5% pyrite, abundant chlorite and hematite, syenite
D150047	CH17-A	1.00	2.00	582705.75	5317993.30	0.068	3 to 5% pyrite, abundant chlorite and hematite, syenite
D150048	CH17-A	2.00	3.00	582706.25	5317994.17	0.353	3 to 5% pyrite, abundant chlorite and hematite, syenite
D150049	CH18-A	0.00	1.00	582700.09	5317982.49	0.017	syenite
D150051	CH18-A	1.00	2.00	582700.26	5317983.48	0.630	2 cm wide sub horizontal quartz vein with pyrite ~1%, fuchsite(?) <1%, fibrous black mineral along margins (~5%)
D150052	CH18-A	2.00	3.00	582700.43	5317984.46	0.044	5% disseminated pyrite. Chlorite and hematite altered syenite. Flat quartz veins~2mm wide.
D150053	CH18-A	3.00	4.00	582700.61	5317985.45	0.006	hematite and chlorite altered syenite, disseminated pyrite 1-3%. No veins.
D150054	CH18-A	4.00	5.00	582700.78	5317986.43	0.047	hematite and chlorite altered syenite, disseminated pyrite ~1%, rutile (?) ~3%. No veins.
D150055	CH18-A	5.00	6.00	582700.96	5317987.42	0.165	hematite and chlorite altered syenite. 2cm wide flat quartz vein, disseminated pyrite ~1%, rutile(?) ~3%,
D150056	CH18-A	6.00	7.00	582701.13	5317988.40	0.118	hematite and chlorite altered syenite. 1 cm wide flat quartz vein, 1% disseminated pyrite, ~1% rutile?
D150057	CH18-A	7.00	8.00	582701.30	5317989.39	0.041	hematite and chlorite altered syenite. No veins, ~1% disseminated pyrite, ~1% rutile.
D150058	CH18-A	8.00	9.00	582701.48	5317990.37	0.052	hematite and chlorite altered syenite, flat quartz vein 1cm wide.
D150101	CH19-A	0.00	0.70	582703.63	5317959.05	0.002	Basalt, 15cm to porphyritic-syenite contact, fragmental shear at 10-15cm striking 20°E with sparsely disseminated, very fine grained py.
D150103	CH19-A	0.70	1.10	582703.79	5317958.52	0.012	Syenite porphyry, contact shearing, rusty gouge, friable, diffused contact to syenite, medium grained, finely disseminated py in basalt on contact, footwall 80°north dip.
D150104	CH19-A	1.10	1.80	582703.95	5317958.00	0.020	Syenite porphyry, 70cm interval, south contact 80° dip N, contact to potassic alteration medium grained pink syenite porphyry, 0.5cm flat lying qv with 0.25 cm irregular blebs at 3cm depth, 1cm chill margins.
D150105	CH19-A	1.80	2.80	582704.20	5317957.18	0.039	Syenite porphyry, 0.5cm flat lying QV at 2m, associated with 0.2mm disseminated blebs of py - potassic alteration staining with chlorite alteration associated with mm sized disseminated py blebby in places.
D150106	CH19-A	2.80	3.30	582704.42	5317956.47	0.318	2.8-2.9 syenite porphyry, 2.9-3.3 aplite dike, 3.0-3.2 qv azimuth 220°S 3.3cm wide milky white, chlorite alteration and py blebs intermixing with syenite and aplite, potassic alteration and "bleaching" out rim margins on qv due to hot intrusion.
D150107	CH19-A	3.30	4.20	582704.62	5317955.80	0.049	Aplite dike across sample interval, potassic alteration and chlorite clots distributed occasionally 1-2mm in size spotty in places associated with disseminated py occurring throughout.
D150108	CH19-A	4.20	5.20	582704.90	5317954.89	0.026	Syenite porphyry, albite dikes at 4.3-4.4m and 4.8-4.9m, chlorite & potassic alteration, < 0.25% disseminated py throughout however greater in the syenite porphyry.
D150109	CH19-A	5.20	5.90	582705.15	5317954.08	0.063	Syenite porphyry, 10cm aplite dike at 5.3m, 10cm course grained syenite porphyry (no mafic minerals) with qv, disseminated py within, very sharp contact, near vertical dips, very fine grained disseminated py + blebs in aplite dike, (pink) very fine grained, minor py <0.5% mafic (*chlorite) in syenite porphyry, feldspar rich, with py disseminated and blebs within quartz course grained syenite porphyry.
D150110	CH19-A	5.90	6.90	582705.40	5317953.26	0.300	Aplite dikes striking similar to previous 240°W near vertical dips at intervals 6.3-6.5m & 6.7 into next sample. Syenite porphyry with 0.5cm flat lying qv at 5cm cut depth with cuts both lithology's & intruded after aplite dikes, cubic blebs & diss. Py in qv & disseminated py throughout entire sample interval. Aplite dike continues into next sample.
D150111	CH19-A	6.90	7.90	582705.69	5317952.31	0.595	Syenite porphyry with albite dike internals. Quartz vein at 7.0m with rim of potassic alteration, aplite dike continues from previous sample to 7.2m and 2nd aplite dike from 7.4-7.7m which includes a qv network and alteration of chlorite on qv margins. Potassic alteration and micro breccia within a 1.5cm qv striking 240°W and near vertical dip + 1mm wide flat lying qv at 3cm depth below surface.
D150113	CH19-A	7.90	8.40	582705.91	5317951.59	0.041	Syenite porphyry, medium grained with aplite dike intruded at 8.1-8.4m at 70° dip and 240° strike, 2cm milky white qv at 8.25m however discontinuous at depth and is hosted within the aplite dike. Some minor mm thick qv's however not continuous, py mineralization on qv rims including diss. mm size py within syenite porphyry. Black chlorite alteration in syenite porphyry and potassic alteration throughout interval.
D150114	CH19-A	8.40	9.40	582706.13	5317950.87	0.009	Syenite porphyry, medium grained, disseminated Py rimming chill margins of qv (cloudy to opaque) 2cm flat lying qv at 6cm cut depth from 8.5-8.8m, no py excepting a flat lying mm thick qv at 3cm cut depth including 2 aplite dikes 8.5-8.6m and 0.5cm wide at 9.3 both staking 240° and dip if 80°S. Potassic alteration and minor chlorite alteration.
D150115	CH19-A	9.40	10.40	582706.42	5317949.92	7.150	Syenite with 2mm qv at 9.4-9.55m at 2cm depth below cut and 2nd qv at 10.2-10.3m. Minor py mineralization throughout sample and potassic + chlorite alteration.
D150116	CH19-A	10.40	10.90	582706.64	5317949.20	0.526	Primarily the sample interval is an aplite dike with minor fragments of syenite porphyry within matrix at 10.8m. A 2cm non-continuous white qv at 10.5m with <0.25% disseminated py throughout including sparsely splattered strong potassic alteration throughout interval.
D150117	CH19-A	10.90	11.90	582706.86	5317948.48	0.053	Syenite porphyry with chlorite in matrix and fracturing. A 2cm aplite dike at 11.2m striking 280°W, dip vertical at 11.6-11.8m flat lying 0.5cm to 2cm white qv. Very minor visible py throughout excepting the margins of the 2cm wide qv. Worth noting is the thickness of qv chill margin ~0.5% disseminated py including chlorite alteration on fractures and hematite alteration at qv.
D150118	CH19-A	11.90	12.90	582707.15	5317947.52	0.078	Shear (localized) over 0.5m with from 11.9-12.4m striking 194°S, highly foliated near centre over a 10cm width and includes chlorite and potassic alteration - the primary fracture is visible for 10's of meters either side of channel cut. <0.25% py with chill margin of 2cm either side of 1cm flat lying qv - continued from 11.9-12.2m. Aplite dikes at 12.6-12.8m dip vertical to 80°S, strike 240°, otherwise a syenite porphyry interval with chlorite and potassic alteration and minor disseminated py.
D150119	CH19-A	12.90	13.90	582707.44	5317946.57	4.350	Syenite medium grained with flat lying cloudy white q from 12.9-13.6m (1-3cm thick) localized no strike, ~0.25 to 0.35% py at vein contacts. NOTE: possible tellurides observed in qv contacts at 13.4m associated with strong chlorite alteration. Very interesting intersection over 1m width with potassic & hematite alteration on fractures.
D150120	CH19-A	13.90	15.10	582707.77	5317945.52	0.368	Syenite, medium to course grained. 4mm qv at 14.4m, had a brown tint (hematite staining?) on 1mm contact. Qv lies within a narrow weak localized shear with a strong chlorite content. chalcopyrite and py is associated with these veins which dip 80° and strike 260°W. A 2nd qv at 14.6m is similar and a flat lying chalcopyrite vein 1mm thick splays off a few centimeters northward and within these veining area are significant chlorite and potassic alteration.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150121	CH19-A	15.10	16.00	582708.07	5317944.51	0.037	Aplite dike at 15.1-15.9m (pink-rose colour) due to albite alteration, some minor widely disseminated sub-mm sized py. Chlorite alteration appears as vertical stripes at 15.96-15.7m with some hematite . Minor quartz intergrowths to 1cm size randomly occur and chlorite is also found as fracture filling.
D150123	CH19-A	16.00	16.60	582708.29	5317943.80	0.025	Aplite dike with 10cm intrusion of syenite porphyry, occasional 0.25-1cm size quartz blebs with minor py disseminations, chlorite filled fractures, pink-red from pervasive potassic alteration.
D150124	CH19-A	16.60	17.00	582708.44	5317943.32	0.003	Aplite dike at 16.6m ends and syenite porphyry starts. Syenite porphyry has white-pink orthoclase (albite) crystal growths showing pervasive potassic alteration. No visible sulfides. A second 3cm aplite dike occurs at 16.9m. Chlorite is observed primarily as fractures healing.
D150125	CH19-A	17.00	17.40	582708.56	5317942.93	0.022	Aplite dike from 17-17.3m, dip 70° showing potassic alteration with occasional mm sized chlorite intergrowths. Aplite dike ends at 17.3m showing a sharp contact to the course grained syenite. No visible sulfides through the sample interval.
D150126	CH19-A	17.40	18.10	582708.72	5317942.41	0.270	Syenite porphyry from 17.45-17.5m (course grained) showing potassic alteration. Aplite dike from 17.5-18.1 showing potassic alteration. Minor <0.05% blebs of py. Occasional quartz inclusions appearing as quartz eyes.
D150127	CH19-A	18.10	19.10	582708.96	5317941.60	0.034	Aplite dike from 18.1-19.1m. Mineralization as mm sized blebs of py <0.25% disseminated throughout and rusty fractures filled with chlorite and mm width diffused chlorite veinlets develop close to the contact at 19-19.1m. Quartz growths occur randomly within similar to quartz eyes of varying sizes <0.05cm. Potassic alteration is pervasive throughout interval.
D150128	CH19-A	19.10	20.10	582709.26	5317940.64	0.007	Syenite porphyry (course grained) much more distinct and has a strong magnetic attraction due to 2mm size sparsely disseminated magnetite crystal intergrowths. Note, magnetite may have been overlooked in previous samples as they appear similar to chlorite without magnet test. No veining of significance. Two, 2cm wide aplite dikes occur on to the south at 19.6m and to north a single sub-mm sized flat lying and cross cutting qv occurs with py. The offsetting of the qv and aplite dikes indicating that the flat lying qv intruded last and potassic alteration and 1mm chlorite dike event occurred last in the syenite intrusion, after or during metasomatic of the intrusion.
D150129	CH19-A	20.10	21.10	582709.55	5317939.68	0.009	Syenite porphyry, has altered off-white orthoclase/albite and pyroxene crystals with randomly distributed chlorite crystal growths and <1% magnetite and very fine grained specks of py which are randomly and discontinuously distributed throughout the sample interval.
D150130	CH19-A	21.10	22.10	582709.84	5317938.73	0.004	Syenite porphyry, has altered white orthoclase/albite and pyroxene crystals with randomly distributed chlorite crystal growths and <1% magnetite and very fine grained specks of py which are randomly and discontinuously distributed throughout the sample interval. A single 1cm potassic altered aplite dike (dike) occurs at 21.6m dip 80° striking 235°W. There are a few 1cm teardrop shaped chlorite growths or fragmental occasionally throughout.
D150131	CH19-A	22.10	23.10	582710.13	5317937.77	0.008	Syenite porphyry, has white orthoclase/albite and pyroxene crystals with randomly distributed chlorite crystal growths and <1% magnetite. No visible mineralization. Potassic alteration with minor rusty weathering on fracture surfaces. A single 3mm qv occurs at 223m, intersecting a 4mm aplite dike. Qv strikes at 240°W and dips at 70°N.
D150133	CH19-A	23.10	24.10	582710.43	5317936.81	0.046	Syenite porphyry, medium grained, with occasional, irregularly shaped, quartz inclusions. A 3mm qv occurs at 24m, strikes 240°W, dipping at 15°. Occasional disseminated py as spotty blebs including chlorite and potassic alteration. Syenite is weakly magnetic. Py mineralization increases for several cm on either side of the qv.
D150134	CH19-A	24.10	25.10	582710.72	5317935.86	0.024	Syenite porphyry, with occasional, irregularly shaped, quartz inclusions. Disseminated py as spotty blebs including chlorite and potassic alteration. Syenite is weakly magnetic. A flat lying, 0.5cm qv at 24.2m occurs below the 5cm cut depth. Possible tellurides visible on break surface. A 1cm aplite dike occurs 24.6m. The syenite porphyry is magnetic and py mineralization increases on either side of the qv.
D150135	CH19-A	25.10	25.90	582710.98	5317935.00	0.358	Syenite porphyry, medium grained, strongly magnetic, potassic alteration, includes disseminated randomly dispersed py except at the contact with a 0.5cm flat lying qv at 25.5-25.8m (milky white) and has no sulfides within qv. Quartz vein is flat lying on surface. Albite dikes (1cm) occur at 25.5m, striking 225°, dipping 50°S. A second 3cm aplite dike occurs at 25.8m and has fine disseminated py and potassic alteration.
D150136	CH19-A	25.90	27.00	582711.26	5317934.09	0.095	Aplite dike from 25.9-26.4m has minor disseminated py and numerous micro fractures. A vertical dip 10cm wide qv occurs at 26.3m, dip 60°, strike 250°W, barren of sulfides. Chlorite and potassic alteration occurs. Syenite porphyry at 26.4m, magnetic, disseminated fine py throughout (<0.1%). Several 0.5-1cm aplite dikes occur between 26.4-27.0m.
D150137	CH19-A	27.00	28.00	582711.57	5317933.08	0.030	Aplite/syenite porphyry 50/50 mix from 27-28m interval containing several mm width qv's with no apparent dip or strike. The overall strike trend is between 240-250°W. Includes centimetre wide vertical bands of chlorite accumulations. A few blebs of py are present. Chlorite occurs within rusty fractures including potassic alteration throughout.
D150138	CH19-A	28.00	29.10	582711.87	5317932.08	0.015	Aplite/syenite porphyry 50/50 mix from 28-29.1m interval containing several mm width qv's with no apparent dip or strike. The overall strike trend is between 240-250°W. Includes centimetre wide vertical bands of chlorite accumulations. A few blebs of py are present. Chlorite occurs within rusty fractures including potassic alteration throughout. Increased chlorite banding in fragments of syenite in the matrix. Extremely minor py occurs and potassic alteration persists.
D150139	CH19-A	29.10	30.40	582712.22	5317930.93	0.021	Aplite/syenite porphyry 50/50 mix from 29.1-30.4m interval containing several mm width qv's with no apparent dip or strike except a 1cm qv within syenite porphyry at 30.3m, dip 90°, strike 192°S. The overall strike trend is between 240-250°W. Includes centimetre wide vertical bands of chlorite accumulations. A few blebs of py are present. Chlorite occurs within rusty fractures including potassic alteration throughout. Increased chlorite banding in fragments of syenite in the matrix which is weakly magnetic. Several disseminated mm size py blebs occurs in the aplite with potassic alteration.
D150140	CH19-A	30.40	31.20	582712.53	5317929.93	0.013	Aplite/syenite porphyry 50/50 mix, becoming more chaotically intermixed from 30.4-31.2m interval containing several mm width qv's with no apparent dips of strike including 0.5cm size quartz eyes. Fine disseminated py up to <0.1% throughout. The overall strike trend is between 240-250°W. Includes centimetre wide vertical bands of chlorite accumulations. Chlorite is less common as mm intergrowths and within rusty fractures. Potassic alteration is pervasive throughout the interval.
D150141	CH19-A	31.20	32.20	582712.79	5317929.07	0.062	Aplite/syenite porphyry 50/50 mix from 31.2-32.2m interval containing several mm width qv's with no apparent dips of strike. At 31.5m a short interval of mafic volcanic (basalt) was sampled. The channel is getting close to the mafic volcanic contact. The overall fracturing strike trend remains between 240-250°W. Includes a few centimetre sized quartz eyes with associated py. Minor blebs of py are present. Weak chlorite alteration and dominant potassic alteration is restricted to the syenite.
D150143	CH19-A	32.20	33.20	582713.09	5317928.11	0.022	Aplite/syenite porphyry 60/40 mix from 32.2-33.2m interval containing a few short laths of qv's with no apparent dip or strike. The overall strike trend remains between 240-250°W. Includes sporadic chlorite clot accumulations and potassic alteration throughout.
D150144	CH19-A	33.20	34.10	582713.36	5317927.20	0.359	Aplite/syenite porphyry 50/50 mix from 33.2-34.1m interval containing a few short discontinuous mm width qv's with no apparent dip or strike and associated py. The overall strike trend remains between 240-250°W. Includes sporadic chlorite clot accumulations and potassic alteration throughout.
D150145	CH19-A	34.10	34.70	582713.58	5317926.49	0.289	Aplite/syenite porphyry 40/60 mix from 34.1-34.7m interval containing a few short discontinuous mm width qv's with no apparent dip or strike and associated py excepting a brief interval of quartz veining over 4cm at 34.2, dip 80°, strike 230°W. The overall strike trend remains between 240-250°W. Includes sporadic chlorite clot accumulations and potassic alteration throughout.
D150146	CH19-A	34.70	35.70	582713.82	5317925.72	0.026	Syenite porphyry, course grained, with several intervals of aplite dikes from 0.25cm - 4cm width. A 10cm interval of strongly magnetic basalt occurs from 35.1-35.2m, is very fine grained with no sulfide. The syenite porphyry is also absent of sulfides except for the occasional very fine grained splash of pyrite, however are few through the interval.
D150147	CH19-A	35.70	36.60	582714.10	5317924.81	0.001	Syenite porphyry, medium to course grained, numerous narrow 0.5cm aplite dikes occur randomly intruding the basalt and syenite porphyry (last intrusive event) including potassic alteration to the syenite porphyry only. Mafic volcanic basalt interval from 35.8-35.9m. 1mm thick chlorite vein at 36.1. only a few py crystals observed in the basalt. Note, a 10cm chill margin on the south side of the basalt interval.
D150148	CH19-A	36.60	37.50	582714.36	5317923.95	0.003	Syenite porphyry, medium to course grained, moderately to strongly magnetic. Several aplite dikes occur over 10cm at 36.8m. One 1cm dike has a 0.25cm quartz eye within. Mafic volcanic basalt contact with very fine grained magnetite at 37.6m. Contact is sharp and includes fragments of syenite porphyry. Py mineralization is almost non-existent with only a few disseminated patches throughout, excluding the basalt. Chlorite heals some fractures, potassic alteration is limited to the syenite porphyry.
D150149	CH19-A	37.50	38.95	582714.70	5317922.83	0.002	mafic volcanic basalt. Very fine grained fragments of medium grained gabbro at 38m. A few 1cm wide aplite dikes occur, dip 60°, strike ~220°S. No visible alteration. No reaction to acid test. Contains of the most part very fine grained uniformly distributed py under hand lens.
D150150	CH19-A	38.95	39.20	582714.95	5317922.02	0.001	Brief interval assumed to capture syenite porphyry dike extruding from the basalt. Sharp contacts of both south and north sides with non-mineralized in syenite porphyry. A few blotches of 2mm chlorite and potassic alteration on fractures. Within syenite porphyry calcite occurs as reacted to acid test with potassic alteration at 39.1m.
D150151	CH19-A	39.20	39.75	582715.07	5317921.63	0.002	Basalt, very fine grained at 39.30m, 1.5cm "pod" of calcite/specular hematite crystals + epidote + chalcopyrite + pyrite. Moderate magnetic attraction overall + other locations where calcite +/- chalcopyrite occur with very fine grained py as <1mm stringers + disseminated and blebs. Chlorite might account for green tint in calcite which is in contact with syenite porphyry to the south. A few 2mm aplite dikes also occur in the internal.
D150153	CH19-A	39.75	40.35	582715.22	5317921.13	0.065	Syenite porphyry with very fine grained py concentrated where potassic alteration if intruded as seen in near vertical fractures or other localized bands. Calcite also occurs within fractures in the moderately magnetic syenite porphyry.
D150154	CH20-A	0.00	1.00	582704.20	5317958.96	0.019	Basalt, strongly magnetic, contact at 0.0m, contact to syenite porphyry, albite alteration, becomes course grained over across 3cm interval at 30cm and 55cm. 1cm aplite dike, dip 45°N, strike 284°W. Blebby 1-2mm py randomly throughout (<0.1%) increasing within both albite alteration intersects. Minor chlorite alteration, medium potassic alteration, iron staining on fractures at 90cm.
D150155	CH20-A	1.00	1.60	582704.34	5317958.17	0.219	Syenite porphyry, 1.5cm (milky white) qv at 1.35m, is discontinuous, dip 90°, non-mineralized. Qv at 1.6m, part of banded sequence over 20cm. From 1.5-1.6m 2 to 5cm bands of courser grained rock. Visible disseminated py blebs in syenite porphyry, alteration includes albite, hematite, potassic then chlorite (see photo sequence).
D150156	CH20-A	1.60	2.60	582704.48	5317957.38	0.102	Syenite porphyry, 1cm thick, milky white, flat lying qv at 1.9m. Is mineralized with spotty blebs (2-5mm) sized py. The qv contacts contain ~0.5% disseminated py. Albite, potassic and hematite alteration + 3mm vugs of chlorite alteration near the vein. An not mineralized aplite dike occurs from 2.3-2.6m and is associated with hematite alteration.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150157	CH21-A	0.00	0.70	582704.37	5317959.58	0.025	0-30cm mafic volcanic basalt, very fine grained, equigranular, strongly magnetic with disseminated 1mm speckles of white-greenish intergrowths or skeletal amygdule's or intergrowths. From 30-50cm, course grained syenite porphyry, minor albite alteration, is not mineralized. From 50-70cm an albite dike, contact at 0.7m has disseminated py and 2mm blebs of py distributed throughout <0.05%. Sample internal includes potassic alteration.
D150158	CH21-A	0.70	1.40	582704.50	5317958.89	0.022	Syenite porphyry, course grained, 1% disseminated py, qv from 1-1.4m, is 0.5cm thick, and flat lying. Chlorite crystal growths in syenite porphyry with albite and potassic alteration.
D150159	CH21-A	1.40	2.10	582704.62	5317958.20	0.046	Syenite porphyry, medium grained. Flat lying qv continues from previous sample to 1.75m where it connects to a 2cm wide, 90° dip, 54° striking q with potassic/albite alteration halo on contact and contains very minor py blebs with some chlorite as crystal intergrowths.
D150160	CH22-A	0.00	0.70	582704.78	5317960.22	0.037	0-0.4m aplite dike. Flat lying, non-contiguous qv at 0.25cm. No mineralization noted in qv or dike at 0.4-0.7m. A medium grained syenite porphyry , mineralized, equigranular, includes chlorite as 2mm disseminated intergrowths + albite + potassic alteration.
D150161	CH22-A	0.70	1.40	582705.02	5317959.62	0.004	Medium to course gained and very course grained over cm intervals, syenite porphyry. Porphyry texture is much less obvious than previous samples. Much more "pink" colouration. <0.1% disseminated py. Albite + potassic alteration.
D150163	CH23-A	0.00	1.00	582708.36	5317950.07	2.410	0-20cm aplite dike, then 20-30cm syenite porphyry, then 30-60cm aplite dike, then 60-100cm syenite porphyry. Disseminated py <0.5% throughout interval up to 1% in places. Two flat lying 0.5cm thick qv at 20cm and 50-60cm. A 1cm aplite dike at 80cm, dip 30°N
D150164	CH24-A	0.00	0.90	582707.05	5317950.90	1.835	Medium grained, moderately magnetic, equigranular, syenite porphyry from 0.0-0.6m with sparsely occurring fine disseminated py. 0.6-0.9m aplite dike, potassic alteration in both intervals. From 0.6-0.9m 1% disseminated py as 1mm size to 2mm lengths. Narrow qv at 0.55m and at 0.6m two qv's staked on each other spaced apart by 2cm, dipping at 20°N. Veins are not mineralized and are striking at 60°E.
D150165	CH25-A	0.00	1.30	582695.62	5317945.31	0.151	NOTE: Centre of channel cut covered by loose rock-mud-sandy silt. At 0-20cm aplite dike is exposed with narrow 2mm to 0.5cm wide milky white qv's, dip 20°N. Interval includes blebby py in aplite dike and quartz veins with py blebs from 2-5mm. A second aplite dike interval at 40-50cm, same py as previous with 0.5cm quartz eyes. Mafic volcanic basalt contact at 0.7m. Contact resembles flow top breccia with very fine grained py in patches. From 0.9-1.3, aplite dike, same as previous interval with narrow mm size quartz veinlet's persist throughout to the contact with basalt after 1.3m. Basalt is strongly magnetic. Aplite dikes dip at 90° and strike at 220°. Albite alteration is noticeable in most of the aplite dikes.
D150166	CH25-A	1.70	2.50	582695.12	5317946.67	0.007	NOTE: From 1.3-1.7m no sample material available! From 1.7-2.2m basalt unit is strongly magnetic, very fine grained and equigranular containing very fine grained py to 0.1%, disseminated sporadically throughout. At 2.2m a 5cm wide aplite dike intrudes, dip 90°, strike 220°S, has very fine grained py 0.1% throughout with small angular basalt fragments , chlorite in fractures and albite alteration restricted to the aplite dike.
D150167	CH25-A	2.50	3.50	582694.81	5317947.52	0.003	Aplite dikes: A 3cm, dip 90°, strike 220°, at 2.6m. A 10cm, dip 90°, strike 220°, at 2.8m. A 30cm, dip 90°, strike 220°, at 2.4-2.7m. Aplite dikes intrude very fine grained, strongly magnetic, equigranular basalt. Several more cm wide aplite veinlets with the same dip and strike are across the interval. Disseminated py occurs only in the aplite and qv's as blebs and cubic crystal up to 2mm.
D150168	CH26-A	0.00	1.50	582696.47	5317946.17	0.577	NOTE: First 1m of channel cut (north to south) is very fragmented and a portion of representative chips was bagged. Chlorite alteration is noted in the aplite dikes and several mm wide quartz veins occur with disseminate py dispersed sporadically throughout including py in the aplite dikes. Basalt has increased mafic sections associated with chlorite and >2% py cubic crystals and these brief internals are weakly magnetic compared to the basalt in same interval with less py and chlorite.
D150169	CH26-A	2.20	3.60	582695.46	5317948.07	0.009	NOTE: No sample material from 2.2-3.6m due to low wet interval (not cut). Intervals of basalt are "sandwiched" between aplite dikes that strike at 220° south. The sequence is as follows: 2.0m basalt, 2.2m over 10cm aplite dike, 2.7-2.8m aplite dike, 3.0-3.20m aplite dike. Overview... elongated pillow basalts strike 150°s showing visible pillows. The channel cut is along the pillows elongated direction and the aplite dikes "cut" through he pillows direction. Albite alteration is restricted to the aplite dikes. At 3.2m a 4mm wide flat lying qv occurs with disseminated blebs to 2mm size. Quartz vein strike terminates on the dike contacts with the basalt. The q dip is shallow and to the north at 12°. Basalt has chlorite in the fractures and associated py + very minor cpy as small blebs. Chlorite also from in 2mm size vugs". Chlorite is also noted in the fractures within the aplite dikes.
D150170	CH27-A	0.00	1.50	582697.45	5317946.25	0.136	Fractured zone over first 1m from north to south. From 10cm to 50cm basalt with 2-3% py intervals. Two flat lying qv's at 40cm and 1.1m, are 3-5mm thick with disseminated blebby py - otherwise the interval is an aplite dike with disseminated py which is blebby and cubic crystals sporadically dispersed and albite alteration within the aplite dike.
D150171	CH27-A	2.50	3.60	582696.82	5317948.46	2.880	NOTE: No sample material from 1.7-3.6m due to low wet interval (not cut). 2.5-2.7m basalt. 2.7-3m aplite dike. 3.0-3.1m FAULT (a mix of basalt, aplite dike and quartz). 3.1-3.2 Aplite dike. 3.2-3.6 basalt. Aplite dikes dip 90°, strike 220°. Dikes have mm to cm quartz veins and quartz eyes. Veining is non-contiguous and fractured, re-healed by quartz +/- chlorite. Py is disseminated as mm size specks throughout the aplite dike and quartz veins. Basalt is strongly magnetic except at the fault interval which has >3% py. Magnetic basalt has <1% py as disseminated very fine grained patches throughout. Some minor mm width aplite dikes intrude the basalt at 90° dip and no measurable strike distance.
D150173	CH28-A	0.00	1.50	582697.77	5317946.64	4.260	NOTE: 0-0.7m aplite dike is heavily fractured and rubbly. Some pieces of rubble from this interval was bagged as well as channel material. An aplite dike is across this sample interval. Several mm to 0.5cm wide quartz veins occur. One 1cm wide and 3cm long fragment as a rafted inclusion, has >50% py and no reaction to acid test. Has chlorite in the matrix up to 30% + albite alteration visible as tiny fragmental. The remainder of the aplite dike interval has undergone albite alteration + chlorite within mm size vugs and on fracture planes. Py occurs as mm cubes and minor chaotic distribution throughout.
D150174	CH28-A	1.50	2.80	582697.29	5317947.95	0.285	NOTE: 1.7-2.5m broken rubble. Interval is sampled but for the most part is rubble material. Rock that is exposed is aplite dike and on surface is heavily fractured but not due to a fault. Sample interval is similar to previous sample but with less very fine disseminated py. Chlorite is on fractures and several mm width quartz veins marl the aplite dike which is very typical in Area "A". From 2.5-2.8m two 90° internals of heavy rusty friable rock occur with no visible sulfides.
D150175	CH28-A	2.80	3.50	582696.95	5317948.89	0.025	Aplite dike from 2.8-3.0m then 90° contact with basalt. Contact is sharp, striking 240°W, highly fractured, no chill margins. From 3.0-3.5m basalt is not mineralized, carbonatized (strong reaction to acid test) and is strongly magnetic with mm sized calcite filled gas bubbles on the south contact. Albite alteration occurs in the aplite dike.
D150176	CH29-A	0.00	1.50	582698.83	5317946.54	0.095	NOTE: 1.5m sample due to low sandy rubble from 0-1m. Sample was washed before bagging. Aplite dike as described previously with occasional quartz eyes and mm wide quartz veins + spotty 1mm chlorite + py + py 1-2mm size as random distribution. Albite + minor potassic alteration. Narrow quartz veining occurs chaotically as milky white 1.5-2mm and 1cm flat lying veins then dips 80°S. Both qv orientations connect as though the flat lying vein intruded and filled cracks downward as they came available (assumption only).
D150177	CH29-A	1.50	3.00	582698.31	5317947.95	0.764	NOTE: Longer sample due to rubble section. 1.5-1.9m aplite dike, marling of quartz veins and some quartz eyes. Disseminated pyrite (cubic) and blebs in the quartz and disseminated py sparsely throughout the aplite dike. At 1.9-2.1m interval of basalt with ~5% py crystals. Basalt is not magnetic and no reaction to acid test. Some small angular aplite fragments are incorporated at the contact. Chlorite alteration is significant. 2.1-2.2m a fractured aplite dike and 2.2-2.3m aplite and basalt bookwork occurs with a 90° dip. Albite and minor potassic alteration within the aplite dike. At 2.8m a high density spots of whitish clots (skeletal vesicles) that turn lime green after the acid test.
D150178	CH30-A	0.00	1.00	582699.46	5317946.89	0.068	0-0.25m syenite porphyry intruded by several ~10 0.5-1cm aplite dikes with potassic alteration, dip 90°. Syenite porphyry has chlorite + albite alteration on chlorite as crystals disseminated with associated ~1% py, up to 2mm in size. At 0.5m a 3cm wide steeply dipping north 10°N with cm thick layers of aplite dike fragments. Aplite dike has albite alteration and minor disseminated py throughout. Several 1cm long quartz crystals developed in some of the numerous "vugs". Quartz crystals are glassy clear with a spotty costing of chlorite.
D150179	CH30-A	1.00	2.00	582699.12	5317947.83	0.030	1.0-1.1m several 5cm intervals of syenite porphyry with disseminated py + chlorite and py as crystal growths. Minor hematite and albite alteration. 1.1-2.0m aplite dike with <1.5% disseminated py sporadically throughout. Chlorite speckles throughout. Aplite dikes and the occasional 2mm milky white quartz vein with no apparent strike + numerous quartz eyes. In aplite dike albite + potassic alteration.
D150180	CH30-A	2.00	3.00	582698.78	5317948.77	0.135	2.0-3.0 aplite dike with strong albitization. Disseminated py sporadically distributed to <0.1%. Flat lying quartz vein at 2.8m striking 250°W, is 3cm wide where it extrudes at surface. 3.0-3.3m basalt with very fine grained blebs of py randomly dispersed. Calcite alteration in places, the basalt is very fine grained.
D150181	CH31-A	0.00	1.00	582700.59	5317947.28	0.428	NOTE: Broken/rubbly at 0.4-1.0m. Across the interval vertical bookwork of aplite dikes and basalt at 90° dip, spaced erratically from 5-20cm widths. Basalt is strongly magnetic except at 0.5m where calcification occurs (strong reaction to acid test) and brown hematite/iron is present. Also at 0.5m a 20cm interval, intermixed with an albite dike which has ~0.1% py in crystal, otherwise the basalt has only minor disseminated py.
D150183	CH31-A	1.00	2.00	582700.25	5317948.22	0.117	1.0-1.7 aplite dike with albite + potassic alteration molted throughout. Flat lying 10cm wide, milky white quartz vein at 1.6m. Very minor py in quartz vein but py is randomly distributed throughout the interval to 0.1% on either side of the quartz vein. Under hand lens possible telluride observed in a small void (vug) in a 10cm quartz vein strike 230°S, associated with fin grey crystals (chlorite?) near the upper contact with the syenite porphyry. Syenite porphyry from contact with quartz vein at 1.7-1.9m then grades into aplite dike with a few quartz eyes and minor disseminated very fine grained py. Chlorite is spotty as 2mm crystals in the rock matrix and evenly distributed. A second quartz vein is dipping at 10°.
D150184	CH31-A	2.00	3.30	582699.86	5317949.30	0.067	Syenite porphyry 2.0-2.1m, not mineralized. Same as precious sample. From 2.1-3.3 primarily aplite dike with cm width intervals of strong albite alteration. Syenite porphyry at 2.5-3.0m in contact with several quartz veins at 2.2m, 2.4m (strike 234°W) and 2.6m all dipping at ~25°N. Possible tellurides at 2.6-2.7m on contact with quartz vein and albite + potassic alteration. It appears a 3rd generation of 90° dip 0.5cm potassic aplite (jasper) dikes occurs at 2.75m which cuts the syenite porphyry.
D150185	CH32-A	0.00	1.00	582708.77	5317938.06	0.026	Flat lying 2cm thick quartz baron vein at 0.0-0.1m. Chlorite + hematite staining in quartz vein which is in contact with reddish syenite porphyry with several mm width quartz veins with generally no apparent strike or dip. Perhaps fracture filling event flooded from flat lying vein. Hematite + potassic alteration is dominant. Syenite porphyry is medium grained + chlorite as spotty mm sized disseminated intergrowth crystals clots throughout. Py is very rare, and spotty and is associated with narrow quartz veins with some chlorite. Chlorite is in fractures. The interval is not magnetic.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150186	CH32-A	1.00	2.00	582708.56	5317939.04	0.175	1.0-1.65 syenite porphyry, medium grained, as previous interval. 1cm quartz vein at 1.4m, dip 70°, milky white, no sulfides. Quartz vein at 1.64m, 4cm wide, a few py crystals on margins. Aplite dike at 1.65m and 1.75m on south side of quartz vein striking 254°W. A few py crystals disseminated in aplite dike. Several 1cm quartz veins occur at 2.9m, dip 40°N. Chlorite on fractures and within syenite porphyry. Albite + potassic alteration within the interval + chlorite clots.
D150187	CH33-A	0.00	1.00	582710.07	5317922.03	0.231	Basalt with somewhat typical very fine grained py crystals throughout as specs and fine discontinuous lenses. At 0.1m a 10cm wide grey porphyry fragment was cut through, and has hematite alteration. Numerous calcite mm width veins cut the porphyry with hematite alteration and the basalt with hematite alteration. Calcite is the dominant alteration. At 1.7m a weak narrow shear over 10cm occurs from 1.7-1.8m. Has a 5cm smoky and white quartz vein in centre and associated with 0.5mm banding at 90° dip, and very fine grained py. (interesting).
D150188	CH34-A	0.00	1.00	582714.40	5317920.48	0.009	Medium grained syenite porphyry. 0.2-0.5m, potassic + albite alteration. Weakly magnetic. Potassic alteration is spotty replacing some orthoclase crystals to a dark orange. Chlorite alteration on fractures. At 1.0m a 4cm wide clear to off white quartz veins with angular fragments of syenite porphyry and py on the rims and margins of both occurs.
D150189	CH35-A	0.00	0.60	582718.85	5317927.98	0.149	Aplite dike/syenite porphyry/basalt *contact breccia. Near vertical quartz vein at 0.05m (1cm wide). Strongly magnetic from 0.0-0.5m. Potassic altered (red) aplite dikes at 0.0-0.05m (jasper?). Aplite dike appears to follow fragments and fractures. narrow 4cm wide syenite porphyry at 0.17-0.2m. Iron carbonate alteration at 0.5-1.0m (very rusty). Very minor py on contacts of narrow quartz vein.
D150190	CH35-A	0.60	1.60	582718.99	5317927.19	0.002	Mix of syenite porphyry, medium grained with albite-potassic alteration throughout. Py as a few specks with chlorite speckles and chlorite on fractures as crystal growths in the syenite porphyry. Hematite staining on a few fractures. No quartz veining.
D150191	CH36-A	0.00	0.80	582720.05	5317927.44	0.006	Syenite porphyry - aplite dike mix. As previous sample interval is weakly magnetic in places. No quartz veining. Py is associated with aplite dike only as minor disseminations. Chlorite on fractures. A few quartz clots with aplite dike. Several <1mm quartz filling of fractures.
D150193	CH36-A	0.80	1.80	582720.21	5317926.55	0.001	Syenite porphyry intruded by aplite dikes and secondary intrusions of 1cm (jasper) veins that cut all previous rocks. Py is localized to the jasper dike intrusions as disseminated mm size blebs. Some quartz eyes in the jasper dikes. Chlorite on fractures and within the syenite porphyry, potassic alteration + hematite alteration to aplite dikes + syenite porphyry which is weakly magnetic.
D150194	CH36-A	1.80	2.80	582720.38	5317925.57	0.001	Similar to previous, syenite porphyry with aplite dike intruding with jasper veins (90° dip) that carry py + quartz eyes. Chlorite alteration in syenite porphyry as crystal growths, albite + potassic alteration in aplite dikes.
D150195	CH37-A	0.00	0.90	582721.07	5317927.81	0.004	Same as previous samples. Syenite porphyry intruded by aplite dikes which are intruded by ~1cm jasper veins with potassic alteration at 0.35m albite alteration in aplite dike + syenite porphyry. 1cm quartz vein at 0.55m with 90° dip, striking 204°S. Quartz vein at 0.9m dipping north at 40°. Has chlorite within the vein. Chlorite on fractures and quartz eyes in the aplite dike.
D150196	CH37-A	0.90	1.90	582721.24	5317926.87	0.003	Same as previous. Minor disseminated py in aplite dikes + quartz eyes. No quartz veining, is weakly magnetic. Potassic alteration in syenite porphyry.
D150197	CH37-A	1.90	2.90	582721.41	5317925.89	0.004	Same as previous. No mineralization noticed. No quartz veining. A 90° dip 1cm quartz lens at 2.7m, is non-continuous, baron, milky white. Chlorite on fractures and in syenite porphyry as crystal growths. No jasper veins in this interval.
D150198	CH38-A	0.00	0.90	582722.42	5317927.12	0.009	Same as previous, no quartz veining, no sulfides, syenite porphyry grain size is larger than typical, to nearly very course grained, same alteration as previous.
D150199	CH38-A	0.90	1.90	582722.58	5317926.19	0.016	Syenite porphyry, medium grained, chlorite on fractures and within syenite porphyry as crystal growths. Quartz vein with chlorite at 1.7m, 90° dip, striking 216°S. Several 1mm calcite veinlets close to the quartz vein.
D150200	CH38-A	1.90	2.90	582722.75	5317925.20	0.013	Syenite porphyry with only very minor py. Chlorite on fractures within medium grained, albite + potassic alteration of syenite porphyry.
D150201	CH39-A	0.00	1.00	582723.36	5317927.76	0.032	Syenite porphyry. A 2cm jasper dike at 0.2m, dip 80°N with minor quartz + minor disseminated py. Potassic, albite and chlorite alteration.
D150203	CH39-A	1.00	1.80	582723.36	5317926.86	0.013	Syenite porphyry, aplite dike at 1.6m, strong chlorite alteration on fractures and walls of aplite dike, py with aplite dike. Potassic + albite alteration.
D150204	CH39-A	1.80	2.50	582723.36	5317926.26	0.006	50/50 syenite porphyry + aplite dike from 1.9-2.2m. Disseminated py throughout as 0.1% + occasional blebs in aplite dike. Strong chlorite alteration in fractures and syenite porphyry. Albite + potassic alteration with minor chlorite 1mm wide veins.
D150205	CH40-A	0.00	1.00	582723.76	5317930.27	0.015	0.0-0.6m syenite porphyry, 0.6-0.0m aplite dike. Occasional specks of py in aplite dike, chlorite as disseminated blebs, albite + potassic alteration.
D150206	CH40-A	1.00	2.00	582723.83	5317929.27	0.002	Syenite porphyry, aplite dike at 1.2-1.3m 90° dip, strike 360°N. No sulfides. Minor chlorite on fractures and as crystal growths. Albite + potassic alteration.
D150207	CH40-A	2.00	3.10	582723.90	5317928.22	0.008	Syenite porphyry, a few specks of py, a few 1cm jasper dikes (90° dip). Chlorite + potassic + albite alteration. Chlorite on fractures. Potassic alteration to some crystals.
D150208	CH41-A	0.00	1.00	582724.73	5317930.23	0.001	Syenite porphyry, a few 1cm jasper dikes (80-90° dip), 30°N strike. Chlorite in fractures, potassic "healing" + albite alteration, Py crystals appear sporadically on 1mm quartz vein.
D150209	CH41-A	1.00	2.00	582724.87	5317929.24	0.008	Syenite porphyry, aplite dike at 1.9m with jasper 0.5cm dike intruding weak shear at 1.8m associated with chlorite. Chlorite on fractures + 2mm thick on aplite dike contact. Minor disseminate py in aplite dike + potassic alteration in aplite dike and chlorite as crustal growths in syenite porphyry.
D150210	CH41-A	2.00	3.00	582725.01	5317928.25	0.098	2.0-2.3m aplite dike, 2.3-30.m syenite porphyry (medium to course grained). Calcite on fractures + 1mm veins. Chlorite on fractures. No sulfides. Potassic + albite alteration is weak.
D150211	CH42-A	0.00	1.00	582725.77	5317931.36	0.279	Syenite porphyry. 1.5cm aplite dike at 0.5m. .05cm jasper dike (90° dip) at 0.8m. Shear at 1.0m with strong chlorite over 5cm with diffused quartz veins. 1mm calcite veins with chlorite. Chlorite in fractures. Potassic alteration.
D150213	CH42-A	1.00	1.90	582726.00	5317930.44	0.036	Syenite porphyry. 1.2-1.5m chlorite breccia within weak shear with ~50% chlorite. No sulfides. Flat lying quartz vein at 1.7-1.8m with disseminated py on contacts. Potassic alteration. Hematite alteration on fractures.
D150214	CH42-A	1.90	2.80	582726.21	5317929.57	0.023	1.9-2.4m aplite dike with quartz eyes. 2.4-2.8m syenite porphyry. Disseminated py in aplite dike (minor) chlorite clots in aplite dike + crystals in syenite porphyry. Albite + potassic alteration. Chlorite on fractures.
D150215	CH42-A	2.80	3.50	582726.41	5317928.79	1.725	2.8-3.2m syenite porphyry (medium grained). 3.2-3.5m basalt. 1cm quartz vein at 3.2m 18°N dip. No sulfides. Quartz eyes in basalt.
D150216	CH42-A	3.50	4.40	582726.60	5317928.01	0.011	Basalt except at 3.9-4.0m, fractured syenite porphyry with minor quartz. No sulfides. Calcite alteration. Potassic alteration in Syenite porphyry.
D150217	CH43-A	0.00	1.00	582726.47	5317931.44	0.017	Syenite porphyry, chlorite in 4cm shear with 80% chlorite. Shear striking 30°N. Chlorite in fractures and crystals. No sulfides. Potassic alteration.
D150218	CH43-A	1.00	2.00	582726.64	5317930.46	0.169	Syenite porphyry. Flat lying quartz vein at 1.1m. 2cm quartz vein from 1.4-1.8m. Has a few chlorite clots, albite + potassic alteration. Albite dike from 1.5-1.8m. With minor disseminated py.
D150219	CH43-A	2.00	2.90	582726.81	5317929.52	0.009	Syenite porphyry. 1cm aplite dike at 2.6m. Albite alteration in aplite dike. Potassic + albite alteration in syenite porphyry. Hematite alteration on fractures.
D150220	CH43-A	2.90	3.80	582726.96	5317928.64	0.167	Syenite porphyry. 1cm quartz vein at 3.5m with blebby py and chlorite clots, dip 28°N contains some chalcopyrite crystals and possible tellurides. Aplite dike at 3.4m, 80°N dip.
D150221	CH43-A	3.80	5.00	582727.15	5317927.60	0.003	Basalt. No sulfides. A few 2mm aplite dikes, minor blebs of very fine grained py. Calcite alteration. Includes a rubbly interval.
D150223	CH43-A	5.00	5.50	582727.29	5317926.76	0.003	5.0-5.1m basalt, 5.1-5.3m syenite porphyry, 5.3-5.5m aplite dike. Includes a rubbly interval. Basalt has no py, calcite alteration. Aplite dike has very fine grained disseminated py with albite alteration + py. Syenite porphyry has a few specks pf py with hematite alteration.
D150224	CH44-A	0.00	1.00	582728.09	5317931.51	0.052	Syenite porphyry. 0.2-0.4m flat lying 4cm wide quartz vein within a fracture-breccia slip and aplite dike intrudes 4cm wide into the centre. A 2nd 1cm quartz vein dipping 10°N contains tourmaline crystals. In the quartz vein chlorite on fractures. Chalcopyrite and py in albite altered area of syenite porphyry.
D150225	CH44-A	1.00	2.00	582728.26	5317930.52	0.082	1.0-1.4m aplite dike. At 1.1m a 1cm flat lying quartz vein. 1.1-1.25m a 0.5cm thick quartz vein on surface with tourmaline crystal growth within chlorite micro fracture healing through the syenite porphyry. 1.5-2.0m albite alteration in aplite with minor specks of py in aplite dike.
D150226	CH44-A	2.00	3.00	582728.43	5317929.54	0.043	Syenite porphyry. At 2.5m a 2cm wide jasper vein dips 40°S. A 2cm wide aplite dike at 2.6m dips 80°N. Chlorite + potassic alteration.
D150227	CH44-A	3.00	3.70	582728.58	5317928.70	0.096	Syenite porphyry. No sulfides. No veins. Albite + chlorite + potassic alteration.
D150228	CH44-A	3.70	4.40	582728.69	5317928.06	0.039	Aplite dike. Flat lying 0.5cm quartz vein at 4.0m. Very fine grained py and spotty blebs with albite and potassic alteration.
D150229	CH45-A	0.00	1.00	582728.17	5317932.63	0.007	Aplite dike 90° 0.0-0.2m, strike 20°N and 0.7m aplite dike 5cm wide. A 1cm wide jasper dike 80°N dip. 0.5cm flat lying quartz vein at 1.0m. 1mm calcite veinlets sporadically distributed. Chlorite as fracture filling in syenite porphyry from 0.2-1m. No sulfides. Albite and potassic alteration.
D150230	CH45-A	1.00	2.00	582728.42	5317931.66	0.065	Aplite dike with syenite porphyry at 1.1-1.2m and 1.9-2.0m. 1cm quartz vein at 1.1m dip 20°N offset by a 2mm flat lying quartz vein with chlorite alteration on edges of quartz vein and crystals in the syenite porphyry. Potassic and albite alteration. Py splashes as 1mm very fine grained, more so in the aplite dike with possible tellurides on contact of 1cm quartz vein near chlorite clots.
D150231	CH45-A	2.00	3.00	582728.66	5317930.69	0.014	2.0-2.2m aplite dike. 2.2-3.0m syenite porphyry. Quartz eyes and minor py in aplite dike. Chlorite as crystals in syenite porphyry. Albite + potassic alteration in syenite porphyry. Albite stringer in aplite dike with minor py which increases near quartz eyes. No sulfides in the syenite porphyry.
D150233	CH45-A	3.00	3.50	582728.84	5317929.97	0.007	Syenite porphyry, medium to course grained. Chlorite as cubic crystals. No sulfides. Potassic + albite alteration.
D150234	CH46-A	0.00	1.00	582728.09	5317943.51	0.112	Syenite porphyry from 0.0-0.6m. 0.6-1.0m aplite dike. 0.6m a 2cm quartz vein dip 90°, striking 38°N. At 0.95m a 2cm quartz vein dip 45°S. Chlorite as fracture filling and crystals within syenite porphyry. Albite + potassic alteration. Albite alteration is dominant in the aplite dike with disseminated and blebs of py including c=py crystals in aplite dike.
D150235	CH46-A	1.00	2.00	582728.26	5317942.52	0.017	Syenite porphyry. Quartz vein at 1.0-1.2m plunging same as previous, 2cm wide, dip 45°S. Albite + potassic alteration. Hematite on fractures, less chlorite in fractures however is within the syenite porphyry .
D150236	CH46-A	2.00	2.60	582728.40	5317941.73	0.001	Syenite porphyry, medium grained, rusty and fractures at 2.2-2.6m. 1cm jasper dike. Hematite alteration on fractures. Potassic + albite alteration. No sulfides.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150237	CH47-A	0.00	1.00	582730.32	5317932.90	0.754	0.0-0.3M aplite dike. 0.3-1.0m syenite porphyry. Quartz eyes + mm quartz veins within aplite dike with minor disseminated py throughout. Albite alteration in aplite dike and syenite porphyry. Potassic alteration in syenite porphyry as lenses. Chlorite alteration in syenite porphyry as crystal growths.
D150238	CH47-A	1.00	2.00	582730.25	5317931.90	0.027	Syenite porphyry, very minor very fine grained disseminated py in places, mm wide calcite veins, hematite on fractures, chlorite on some fractures and crystals in syenite porphyry. Albite + potassic alteration.
D150239	CH48-A	0.00	1.00	582700.84	5317940.52	0.065	Narrow series of aplite dikes cutting basalt with rusty intervals. 0.0-0.5m basalt. 0.5-0.95m aplite dike. 0.95-1.0m basalt. 3mm quartz vein 90° dip cuts syenite porphyry at 0.8m. 50% very fine grained disseminated py on contact of syenite porphyry. Disseminated py in aplite dike and a few narrow quartz veins near the contacts with albite alteration. 50°E striking aplite dikes with 90° dips. Calcite alteration in basalt.
D150240	CH48-A	1.00	2.00	582701.46	5317939.74	0.125	1.0-1.5m 50/50 mix of aplite dikes and basalt. 1.5-2.0m basalt with a few 2cm aplite dikes dipping at 70°, strike 50°E. Calcite alteration in aplite dikes with iron carbonate in basalt (rusty). Quartz eyes + disseminated py (2% disseminated) in aplite dikes. Chlorite alteration on fractures. Some dikes strike at 50°S others at 80°S.
D150241	CH48-A	2.00	3.00	582702.08	5317938.95	0.003	Basalt, 3cm aplite dike 90° dip 80°S strike. Albite alteration in aplite dike. Disseminated py + stringers in basalt. Disseminated py cubes in aplite dike. Calcite alteration in basalt.
D150243	CH48-A	3.00	4.00	582702.69	5317938.16	0.055	3.0-3.5m aplite dike. 3.5-4.0m basalt with a few 1.2cm aplite dikes. Disseminated py (possibly some tellurides) in aplite dike at 3.3m and 3.7m. Disseminated py in aplite dikes. Basalt has no sulfides. Albite alteration in aplite dike and chlorite alteration on fractures.
D150244	CH49-A	0.00	1.00	582702.90	5317939.26	1.895	Mix of aplite dikes and basalt. Basalt has 30% very fine grained py within chill margins of aplite dikes with carbonate alteration in basalt. Aplite dike has a few narrow quartz veins dipping north. Chlorite on fractures. Disseminated py in aplite dike disseminated throughout. Albite alteration in aplite dike.
D150245	CH49-A	1.00	2.00	582703.43	5317938.42	0.663	0.0-1.2m aplite dike. At 1.5m 1cm quartz vein 90° dip, strike 30°N. 1.7-2.0m aplite dike. 1.0-2.0m mix of basalt and aplite dikes. Carbonate alteration in basalt. Albite alteration in aplite dike. Chlorite in fractures and aplite dike. Disseminated very fine grained py in aplite dike.
D150246	CH50-A	0.00	1.00	582703.32	5318008.38	0.044	DIATREME channel cut. 0.0-0.6m medium grained syenite porphyry. 0.6-1.0m conglomeritic basalt with hematite and calcite alteration and minor disseminated py in places. Syenite porphyry has chlorite alteration and sparse disseminate py. Hematite and potassic alteration.
D150247	CH50-A	1.00	2.00	582703.96	5318009.15	0.002	Basalt fragmental diatreme conglomerate with a matrix of predominantly mafic composition with minor calcite and hematite splashes throughout and very minor py randomly distributed.
D150248	CH50-A	2.00	3.00	582704.61	5318009.92	0.002	Conglomeritic basalt (diatreme) includes fragments of calcite and hematite altered syenite porphyry. Has minor py as occasional splashes and very fine grained disseminated. Hematite alteration in places.
D150249	CH50-A	3.00	4.00	582705.25	5318010.68	0.001	Same as previous except with minor epidote + hematite alteration + quartz fragments.
D150250	CH50-A	4.00	5.00	582705.89	5318011.45	0.001	Same as previous except much more fractured with disseminated py in places. Hematite and calcite alteration.
D150251	CH50-A	5.00	6.00	582706.54	5318012.21	0.002	Same as previous, no sulfides.
D150253	CH50-A	6.00	6.50	582706.86	5318012.60	0.002	Same as previous with smaller fragments and py occurrences from very fine grained to 2mm size crystals disseminated sporadically.
D150301	CH1-B	0.00	0.70	582778.18	5317809.05	0.004	Syenite porphyry, grey, medium grained with orientated orthoclase crystals. Potassic alteration + hematite on fractures. 3mm smoky quartz vein in centre of chlorite(?) as 2mm seams. Very minor very fine grained py. Albite (soda) alteration. 0.5cm quartz vein 90° dip at 0.2m. Malachite at 0.5m. Narrow shearing at 0.5m. The shearing at 90° dip striking 320°.
D150302	CH1-B	0.70	1.50	582778.68	5317809.60	0.208	Basalt shear zone, up to 2% disseminated py + semi-massive py. 0.5-1.0cm wide stringers of py with quartz eyes + lenses in between. Hematite alteration. Strong shearing with a 90° dip, bearing 320° and associated with mm wide py lenses all dipping at 90°.
D150303	CH2-B	0.00	0.85	582776.65	5317810.55	0.001	Syenite porphyry, grey, medium grained with hematite + chlorite alteration on fractures with very minor py. Albite (soda) alteration as well + stronger alteration in veins with chlorite and iron veins to 3mm width radiating out from shear in chaotic directions.
D150304	CH2-B	0.85	1.90	582777.42	5317811.11	0.026	Basalt on shear, 1cm quartz vein + semi to massive stringer and blebby py associated with shear. 1-5mm widths. Hematite and chlorite alteration at 0.85-1.05m. At 1.05-1.2m a quartz blow-out.
D150305	CH3-B	0.00	0.70	582775.19	5317811.26	0.001	Syenite porphyry, grey, medium grained, potassic alteration with hematite and iron staining on fractures. No visible sulfides. Albite (soda) alteration at the contact with basalt at 0.7m.
D150306	CH3-B	0.70	1.30	582775.71	5317811.64	0.011	Basalt - shear - quartz vein with disseminated + stringers. Some massive py in shear, milky white 7cm quartz vein with chlorite + hematite alteration. At 0.7m basalt with narrow 0.5cm, 90° dip massive py stringers + red 0.5cm hematite veins. 0.9-1.1m quartz vein with massive py as blebs + fracture filling.
D150307	CH3-B	1.30	2.00	582776.24	5317812.02	0.001	Basalt, very fine grained, lenticular lenses of py 1-5mm width. Hematite iron staining on fractures. 4mm Smokey quartz vein with chlorite alteration. Series of 1cm at 0.5m 90° dip veining along strike direction from shear to 2.6m mark.
D150308	CH4-B	0.00	0.70	582773.91	5317812.53	0.001	Syenite porphyry, medium grained, grey, albite alteration, no visible mineralization. Potassic + calcite alteration at contact with basalt at 2.0m.
D150309	CH4-B	0.70	1.60	582774.52	5317813.05	2.350	Basalt - shear - contact fault with fragments of quartz + basalt, iron and hematite staining on fracture, bedding of 0.5cm quartz vein + basalt with py as semi-massive bands. Basalt contact at 0.7m associated with shearing over 1m, including quartz as 90° dipping veinlets at 340°N.
D150311	CH4-B	1.60	2.25	582775.11	5317813.54	0.025	Basalt, very fine grained, minor disseminated py with hematite iron on fractures, with mm width calcite stringers at 90° fracturing to shear direction of 340°.
D150312	CH5-B	0.00	1.00	582772.00	5317813.83	0.001	Syenite porphyry, medium grained, grey, calcite alteration on fractures, minor hematite and potassic alteration within crystals. No sulfides, albite alteration and strong shearing at 1.7m + to contact with shear.
D150313	CH5-B	1.00	2.00	582772.87	5317814.33	0.001	Syenite porphyry, medium grained, grey, albite alteration + calcite veins and hematite in fractures. Fracture shearing starts at 1.7m, strike of 340°.
D150314	CH5-B	2.00	3.00	582773.74	5317814.83	0.111	Basalt, very fine grained + fault/contact shearing over 20cm, heavy iron staining in fractures + chlorite with disseminated semi-massive + massive py stringers including fragments in the shear and cloudy white quartz veining. Sulfides are disseminated randomly. 2cm quartz vein at 2.1m, 90° dip in shear direction of 330°N. 2.7-2.8m 90° dip + contact with basalt at 2.8m.
D150315	CH5-B	3.00	4.00	582774.60	5317815.33	0.002	Basalt, very fine grained with hematite iron staining on fractures + very fine grained disseminated py + blebs of py which is spotty on fractures.
D150316	CH6-B	0.00	1.05	582770.15	5317814.64	0.003	Syenite porphyry, medium grained, hematite - chlorite in some fractures otherwise albite alteration throughout. No sulfides + chlorite in fractures. Non magnetic. Surface of area has been chaotically fractures and rehealed.
D150317	CH6-B	1.05	2.00	582770.94	5317815.26	0.002	Same as previous interval with some hematite 1mm veinlets as possible fracture filling. Appears to have potassic alteration with hematite + calcite in fractures. 1cm potassic vein 80° dip at 1.3m and discontinuous.
D150318	CH6-B	2.00	2.90	582771.67	5317815.83	0.021	Syenite porphyry, medium grained + transition to very fine grained "shear" + in shear strong potassic alteration in vugs and voids filling + albite alteration. Non-magnetic, no calcite, no mineralization. At 2.5m shearing starts, strike 294°W, 90° dip. Transitional contact at 2.9m.
D150319	CH6-B	2.90	3.50	582772.26	5317816.29	6.590	Contact + fault gouge (dark brown) headily weathered, quartz vein occupies fault associated with seam-massive py + py as stringers. Weakly magnetic in places. Strong alteration of hematite + possibly chlorite (altered green-olive crystal growths). Approximately 1% py across the shear width, dips 90°. Contact breccia shear + quartz vein at 2.9-3.5m. 10cm quartz vein at 3.4m.
D150321	CH6-B	3.50	4.30	582772.81	5317816.72	1.285	Basalt "transition" up to 30% py in places over short internals at 90° dip. Shearing into basalt which is very fine grained, moderately magnetic with heavy rust in places. Hematite alteration + calcite veining mm width. Transition into basalt from 3.5-4.3m.
D150322	CH7-B	0.00	1.00	582766.84	5317815.03	0.006	Syenite porphyry, bleached washed out grey by strong albite alteration + chlorite as alteration in fractures. Non-magnetic, has blebs of calcite + hematite. Overall surface texture is blocky as broken and rehealed tension cracks.
D150323	CH7-B	1.00	2.00	582767.56	5317815.72	0.003	Syenite porphyry same as previous. Millimeter width quartz vein. Narrow vugs in vein's with calcite, hematite and chlorite alteration. Syenite porphyry has albite alteration and chlorite in fractures. Very fine grained py in places.
D150324	CH7-B	2.00	3.00	582768.27	5317816.42	0.002	Syenite porphyry, medium grained as previous. Py as spotty crystals randomly throughout. Albite + chlorite alteration. Calcite in fractures.
D150325	CH7-B	3.00	4.00	582768.99	5317817.11	0.002	Syenite porphyry, same as previous. At 3.9-4.0m shearing, dip 90°, strike 306°W. Location mark's the contact of chaotic syenite porphyry with syenite porphyry that aligns with the contact of basalt striking 310°W. Bands of potassic alteration in shear with quartz.
D150326	CH7-B	4.00	5.00	582769.71	5317817.80	0.002	Syenite porphyry veining stock work, dip 90° at 310°W strike. Randomly spaced. Some epidote within a few veins. Non-magnetic, no sulfides. 1mm sized cubic crystals spotty throughout with albite alteration + chlorite in the crystal matrix.
D150327	CH7-B	5.00	6.00	582770.43	5317818.50	5.75 *	Syenite porphyry, same as previous to 5.5m. From 5.5-6.0m contact shear zone with basalt. Distinct smoky quartz veins occupy the shear over a 0.5m interval. Up to 2% py in stringers + disseminated + within chlorite bands in the quartz vein + mm width potassic veins with chlorite and hematite alteration. Calcite is also in narrow veinlets.
D150328	CH7-B	6.00	7.00	582771.15	5317819.19	0.043	Basalt, 6.0-6.2m gouge of rust + py disseminated throughout very fine grained basalt. Heavy fracturing, moderate to strongly magnetic. Minor calcite alteration.
D150329	CH8-B	0.00	1.00	582767.57	5317818.21	0.005	Syenite porphyry, medium to fine grained in the shear. At 0.5m shearing over 20cm. Several 90° mm wide chlorite veinlets throughout striking ~310°. Albite alteration with minor potassic alteration. Non-magnetic.
D150331	CH8-B	1.00	2.00	582768.38	5317818.80	0.144	Syenite porphyry, same as previous, weak shear structure with more narrow chlorite veins throughout.
D150332	CH8-B	2.00	2.90	582769.15	5317819.36	1.710	Syenite porphyry + basalt. 2.0-2.6m gradual altered gradational contact to basalt with quartz veins + chlorite veins + massive chlorite over 20cm. Heavy sulfides (py) in shear + quartz veins over disseminated narrow semi-massive 2.6-2.9m basalt. Very fine grained, magnetic with fine disseminated py.
D150333	CH9-B	0.00	1.00	582766.16	5317819.33	0.006	Syenite porphyry, medium to fine grained, banded, weak shear area, intruded by numerous mm-1cm width quartz, chlorite veinlets. Minor calcite in vugs. No sulfides, non-magnetic, strong albite alteration + minor chlorite alteration.
D150334	CH9-B	1.00	2.00	582766.80	5317820.09	0.005	Syenite porphyry, same as previous with 25%, 90°, chlorite / albite alternating banding. Albite alteration with chlorite alteration.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150335	CH9-B	2.00	3.00	582767.44	5317820.86	0.003	Syenite porphyry, same as previous. Stronger and more frequent, up to 1cm wide chlorite veining at 90° dip and same strike as previous. Strong chlorite alteration and strong albite alteration. At 3.0, the contact to transition into basalt.
D150336	CH9-B	3.00	4.00	582768.09	5317821.62	0.044	3.0-3.5m a chaotic mixing of basalt + syenite porphyry with banding of sulfides + disseminated breccia zone from 3.0-3.5m. At 3.5m basalt, very fine grained with minor disseminated by and is magnetic.
D150337	CH10-B	0.00	1.00	582764.88	5317820.51	0.002	Syenite porphyry with albite alteration, cut by numerous mm to cm thick quartz veins + calcite in vugs and surrounding vugs. Medium grained with orthoclase oriented erotically… stretched texture and bleached grey-white. A few narrow (orange) potassic mm thick veinlets. Strike orientation of veining is ~300°W. No mineralization minor chlorite on fractures and as crystals.
D150338	CH10-B	1.00	2.00	582765.52	5317821.27	0.002	Description same as previous - syenite porphyry with more chlorite in veins.
D150339	CH10-B	2.00	2.80	582766.10	5317821.96	0.001	Description same as previous - syenite porphyry + more calcite veins (vuggy) and less chlorite veins + 1cm quartz vein with near vertical dip striking at 346°N.
D150341	CH10-B	2.80	3.05	582766.44	5317822.37	0.001	Same as previous - syenite porphyry. Brief sample integral to capture a 1.5cm wide calcite/chlorite quartz vein. Not mineralized, not magnetic.
D150342	CH10-B	3.05	3.45	582766.65	5317822.61	0.001	Description same as previous - syenite porphyry contact breccia and/or fault zone at 3.45m.
D150343	CH10-B	3.45	4.20	582767.02	5317823.06	0.734	sample interval to capture both contacts of the breccia + strong chlorite + quartz vein zone + significant py mineralization dip of 90° strike of 320°. Chlorite alteration at contact to basalt at 3.95m. 3.95-4.2m basalt, very fine grained + very fine grained disseminated py. Basalt is weakly magnetic.
D150344	CH10-B	4.20	5.00	582767.52	5317823.65	0.002	Basalt, very fine grained. Very fine grained disseminated py + blebby py. Strongly magnetic, not altered.
D150345	CH11-B	0.00	1.00	582763.21	5317821.74	0.001	Syenite porphyry similar to previous channel cuts with albite alteration and medium grain crystals taking on a 90° dip in direction of foliation… being 314°W. Networking of veins, iron carbonate + multi-directional calcite (Fe carbonate) between some of the banding which has stronger alteration. Syenite porphyry becomes very fine grained texture otherwise is medium grained and no sulfides. Not magnetic. Has chlorite alteration as speckles (black) crystals.
D150346	CH11-B	1.00	2.00	582763.85	5317822.51	0.001	Description same as previous - syenite porphyry with albite alteration.
D150347	CH11-B	2.00	3.00	582764.50	5317823.28	0.001	Description same as previous - syenite porphyry, medium grained, containing several mm wide chlorite dikelets + carbonate/quartz veins and hematite alteration on fractures. Is non-magnetic.
D150348	CH11-B	3.00	3.60	582765.01	5317823.89	0.001	Description same as previous + mixes chlorite/quartz veins in multiple directions. A few 0.5cm wide milky white quartz veins. Contact with shear/fault breccia interval at 3.6m. No mineralization. Not magnetic.
D150349	CH11-B	3.60	4.60	582765.52	5317824.50	0.798	Description same as previous channels - through the contact of syenite porphyry and basalt breccia/shear/quartz vein + magnetic, up to 10% py as blebs and stringers + disseminated interval of 90% chlorite from 3.6-3.9m. Some hematite alteration. Chlorite is the primary and dominant alteration.
D150351	CH11-B	4.60	5.55	582766.15	5317825.25	0.004	Basalt, very fine grained, very fine grained spotty py, weakly magnetic. Hematite iron on fractures. A few mm wide quartz veins with a 90°.
D150352	CH12-B	0.00	1.00	582762.20	5317823.81	0.001	Description same previously described - syenite porphyry with strong albite alteration. Several mm wide 90° dipping quartz/calcite veinlets. Unmineralized with less veining as previous. Chlorite as crystals in the syenite porphyry matrix.
D150353	CH12-B	1.00	2.00	582762.99	5317824.43	0.001	Description same previously described - syenite porphyry with albite alteration. A few mm wide potassic ribbons as well as calcite/quartz + chlorite in centre of veinlets. No mineralization. Non-magnetic. Some veins to 1cm wide. Veins show weathered vugs on surface.
D150354	CH12-B	2.00	3.00	582763.77	5317825.05	0.001	2.0-2.5m same as previous. From 2.5-3m hematite alteration + 1cm quartz vein, milky white, 90° dip. In contact with fault/breccia/shear at 3.0m.
D150355	CH12-B	3.00	4.00	582764.56	5317825.66	0.031	Same as previous description although this contact transition zone is over ~1m 3.0-3.5m and has >70% chlorite + iron carbonate + 5% py as stringers and lenses at 90° dip. 316°W strike of structure. At 3.5-3.6m a milky white non-mineralized quartz vein. Shoulders of the quartz vein are mineralized with py from 3.6-4.0m a brecciated interval with quartz fragments + chlorite with good py.
D150356	CH12-B	4.00	5.00	582765.35	5317826.28	0.008	4.0-4.2m continuation of quartz vein breccia zone with significant chlorite + ~5% py as lenses + disseminated. 4.2-5m basalt, very fine grained, iron staining on fractures. Not mineralized, and strongly magnetic.
D150357	CH13-B	0.00	1.00	582762.41	5317830.28	0.176	Interval of 1m of basalt - heavily mineralized interval with massive + semi-massive py intervals, complete cut is mineralized with iron pyrite. Some quartz is stained "rose" pink, massive magnetite in places over several centimeters including heavy chlorite in places.
D150358	CH14-B	0.00	1.00	582753.50	5317839.98	0.001	Syenite porphyry. Fine grained to medium grained dependent on the foliation banding width of intense albite alteration from 2mm to 10cm widths of white bands from mm to cm wide. Calcite flat lying mm thick veinlets are not mineralized. Contact with strongly sheared basalt at 1.0m. A few narrow red potassic lenses or chlorite alteration but is minor.
D150359	CH14-B	1.00	2.00	582754.50	5317839.95	0.004	Basalt, very fine grained. 1.0-1.5m very strongly sheared, possibly from contact with syenite porphyry as it intruded. Gouge iron present. 9cm wide 90° dip smoky quartz vein at 1.2m striking 320°N - not mineralized. Hematite alteration in basalt on fractures. Very fine grained quartz filling fractures with iron oxide. Non magnetic.
D150361	CH14-B	2.00	3.00	582755.50	5317839.91	0.001	Basalt, very fine grained with disseminated py throughout. Quartz vein (vuggy) 1cm wide striking 320°N, dip 90°. Veins at 2.5m and 2.8m. Strongly magnetic. Chlorite is in the veins. Veins are not mineralized.
D150362	CH15-B	0.00	1.00	582750.33	5317846.37	0.001	Syenite porphyry with strong albite alteration. Is medium grained and medium grey colour. No sulfides. A few mm thick potassic lenses. Foliation strikes 318°N. Basalt contact at 1.0m.
D150363	CH15-B	1.00	2.00	582751.00	5317847.11	0.068	Basalt - shear contact with syenite porphyry zone over 1m. 1.0-1.2 mixed basalt + syenite porphyry. 1.2-1.4m strong chlorite zone basalt mix. 1.4-1.8m basalt is foliated with some quartz (rusty). 1.8-2.0 magnetite (chemical) + quartz vein 4cm wide. Disseminated py to blebby py in places primarily 1.4-1.8m interval. Hematite alteration, silica + calcite alteration.
D150364	CH15-B	2.00	3.00	582751.67	5317847.86	0.001	Basalt, fine grained, moderately magnetic, fine disseminated py throughout. Hematite (iron) staining on fractures as "rust" includes hematite alteration.
D150365	CH16-B	0.00	1.00	582751.25	5317872.43	0.001	Basalt (andesite) with calcite and amygdule's mm size. Hematite (iron) rusty staining in fractures. Chlorite alteration is strong. NOTE: Basalt is backed from intruded albite alteration syenite porphyry dike. Non-magnetic. Disseminated fine py throughout.
D150366	CH16-B	1.00	2.00	582751.75	5317873.30	0.001	Syenite porphyry dike from 1.0-2.0m. Strong albite alteration. Marled with quartz/calcite veins with associated py + chlorite + spotty potassic alteration. Veining trending strike 350°N, 90° dip to flat lying chaotic mixing of up to 1% py in veinlets.
D150367	CH16-B	2.00	3.00	582752.25	5317874.17	0.002	Same as previous, altered albite syenite porphyry dike with larger orthoclase crystals and potassic veinlets of mm width. Some narrow short lenses of chlorite with associated py on rims.
D150368	CH16-B	3.00	4.00	582752.75	5317875.03	0.002	Gabbro-basalt breccia - healed with silica. Includes epidote fragments in the matrix. Sulfides of py sporadically places in the matrix and calcite as broken mm width veins. Primary shearing striking 348°N.
D150369	CH16-B	4.00	5.00	582753.25	5317875.90	0.001	Description same as previous. In places net-textures iron stained quartz veining is marled throughout.
D150371	CH16-B	5.00	6.00	582753.75	5317876.76	0.001	Description: Same as previous.
D150372	CH17-B	0.00	1.00	582750.42	5317870.26	0.002	Description: 0.0-0.5 Basalt (andesite) as described previously in sample D150365. 0.5-1.0m syenite porphyry dike with significantly less sulfides + hematite alteration on fractures (rusty). Albite alteration and hematite alteration. Milky white 0.5cm quartz vein at 0.9m 90° dip and is discontinuous.
D150373	CH17-B	1.00	2.00	582751.27	5317870.79	0.001	Same as previous - syenite porphyry dike interval except much stronger hematite alteration visible in orthoclase crystals (deep orange colour). Calcite on fractures, fractures show slickensides. Contact is net-textured basalt at 2.0m.
D150374	CH17-B	2.00	3.00	582752.12	5317871.32	0.002	Net-textured (tortured) basalt/gabbro from 2.0-2.5m. Sulfides + quartz/calcite veining throughout associated with up to 0.5% in places + with veining of chlorite + calcite alteration.
D150375	CH17-B	3.00	4.00	582752.97	5317871.85	0.001	Description: Same as previous.
D150376	CH17-B	4.00	5.00	582753.82	5317872.38	0.001	Description: Same as Sample D150368.
D150377	CH17-B	5.00	6.00	582754.66	5317872.91	0.001	Description: Same as Sample D150368.
D150378	CH18-B	0.00	1.00	582745.50	5317871.93	0.005	A net-textured very fine grained basalt with some amygdule's. Includes fragments of syenite porphyry. Is non-magnetic. Has minor sulfides as blebs of py. Significant calcite alteration especially as fragmental growths throughout + hematite alteration.
D150379	CH18-B	1.00	2.00	582746.49	5317871.79	0.003	Same as previous except a weak shear (90° dip) at 1.0m over 10cm striking 230°S.
D150501	CH1-C	0.00	0.50	582873.40	5318026.52	16.8 *	Basalt with carbonate (iron) alteration. 0.0-0.2m gouge (Fe) as heavy rust. Cloudy white 3-5cm thick flat lying quartz vein over the sample interval. Quartz vein is not mineralized but up to >50% py (sulfides) on contacts of vein + fragments within the vein. Interval is non-magnetic and has no reaction to acid test.
D150502	CH1-C	0.50	1.50	582872.77	5318026.12	15.45 *	Basalt + flat lying quartz vein, same as previous.
D150503	CH1-C	1.50	2.50	582871.92	5318025.59	2.240	Basalt + flat lying quartz vein, same as D150501.
D150504	CH2-C	0.00	0.70	582874.63	5318015.77	0.195	Syenite porphyry, medium grained, albite + hematite alteration. Contact with basalt at 0.7m. Chlorite on fractures with some minor iron carbonate from 0.0-0.2m.
D150505	CH2-C	0.70	1.70	582874.00	5318015.20	0.104	Basalt, iron carbonate alteration, shear (fault gouge) at 0.9-1.0m. 0.7-0.85m syenite porphyry, alteration same as previous + 0.5% disseminated pyrite. Basalt is strongly magnetic with minor disseminated pyrite throughout.
D150506	CH2-C	1.70	2.40	582873.41	5318014.67	0.130	Basalt, same as precious + stronger iron carbonate alteration from 2.2-2.4m.
D150507	CH3-C	0.00	1.10	582879.11	5318015.20	0.146	Syenite (red) porphyry with multi-directional quartz veins at 0.25-0.3m + flat lying veins. Strong hematite alteration, not mineralized, weakly magnetic.
D150508	CH3-C	1.10	2.00	582878.34	5318014.56	0.072	Same as previous, syenite porphyry (red) with quartz veins at 1.2-1.5m, silica flooding + 0.5% py on contacts of quartz veins. Weakly magnetic.
D150509	CH3-C	2.00	3.00	582877.62	5318013.95	0.136	Syenite porphyry, same as previous + has mafic fragments and a flat lying 1.0-1.5m wide quarts veins.
D150511	CH3-C	3.00	4.00	582876.85	5318013.30	0.085	Syenite porphyry, same as previous + albite alteration bands throughout to 1cm thick. Contact with basalt at 3.6m with 0.5% py at contact over 10cm. Contact over 30cm into iron carbonate altered basalt with disseminated pyrite.
D150512	CH3-C	4.00	5.00	582876.08	5318012.66	0.488	Basalt, strong iron carbonate alteration to a grey colour. Quartz vein at 4.6m + disseminated py to 1%. Vuggy weathered out to 2m wide flat lying quartz vein at 4.5-5.0m. Weakly magnetic in places.
D150513	CH3-C	5.00	6.00	582875.32	5318012.02	100.000	Basalt, with strong iron carbonate alteration. 4cm thick flat lying quartz vein from 5.0-5.5m. Quartz vein has ribbons of specular hematite 1mm thick. Shouldering the quartz vein is 3% disseminated py. Magnetic basalt in places. Ribbons in the quartz vein might also be tourmaline.
D150514	CH3-C	6.00	7.00	582874.55	5318011.37	0.644	Basalt, same as previous with less py.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150515	CH3-C	7.00	8.00	582873.79	5318010.73	0.151	Basalt, iron carbonate alteration, same as previous.
D150516	CH3-C	8.00	9.00	582873.02	5318010.09	1.73 *	Basalt, iron carbonate alteration, same as previous + up to 2% py in short interval at contact with syenite porphyry at 8.8. 8.6-8.8m gouge highly sheared over interval at contact. Flat lying quartz vein from 8.4-8.9m. Quartz vein barren of sulfides and is milky white.
D150517	CH3-C	9.00	10.00	582872.25	5318009.45	0.146	Syenite porphyry (red) hematite + minor albite alteration. Flat lying quartz vein from 9.0-9.3m. Very fine disseminated py throughout the syenite porphyry + 1mm wide quartz veins sporadically dispersed.
D150518	CH3-C	10.00	11.00	582871.49	5318008.80	0.551	10.0-10.3m syenite porphyry, same as previous. Contact with iron carbonate altered basalt at 10.3m + flat lying quartz vein from 10.7-10.9m. NOTE: Mixing of iron carbonate fragments up to 10% pyrite fragments are random + lying below the quartz vein. Strongly magnetic basalt.
D150519	CH3-C	11.00	12.00	582870.72	5318008.16	0.042	Basalt, iron carbonate alteration with fragments of syenite porphyry infilling (angular fragments). Syenite porphyry + basalt breccia zone with minor pyrite disseminated and spotty throughout. Strongly magnetic basalt.
D150521	CH3-C	12.00	13.00	582869.96	5318007.52	0.006	Syenite porphyry + basalt breccia interval, same as previous, strongly magnetic basalt with minor disseminated pyrite throughout.
D150522	CH4-C	0.00	1.00	582867.51	5318005.91	0.902	Strongly iron carbonate altered mixing of syenite + basalt + quartz. Quartz has fragments of both + up to 2% py as disseminated, especially in contact with quartz + syenite fragments. Pyrite crystals to 2mm in size. Quartz vein, flat lying to 5cm thick, milky what with only minor py within.
D150523	CH5-C	0.00	1.00	582870.12	5318000.80	0.856	Basalt, strongly altered iron carbonate. Non-magnetic. Disseminated py from 0.5-10% over short cm wide intervals. Flat lying quartz vein from 0.6-0.8m.
D150524	CH5-C	1.10	2.00	582869.16	5318000.38	5.45 *	Basalt, altered same a previous. Flat lying quartz vein from 1.5-2.0m. Quartz vein not mineralized (milky white) 1-3cm thick.
D150525	CH5-C	2.00	3.00	582868.29	5317999.99	31.7 *	Altered basalt, same as previous + pyrite increases to 5% throughout. Flat lying quartz vein as previous from 2.0-2.5m.
D150526	CH5-C	3.00	4.00	582867.38	5317999.58	0.561	Basalt, iron carbonate alteration, same as previous up to 5% pyrite below flat lying quartz vein 3-4cm thick and barren of sulfides.
D150527	CH5-C	4.00	5.00	582866.46	5317999.18	0.671	Altered basalt, same as previous + flat lying quartz vein from 4.0-5.0m, up to 5cm thick in places.
D150528	CH6-C	0.00	1.00	582888.51	5317996.88	0.060	Basalt, strong iron carbonate alteration, altered to a grey colour, moderately to strongly magnetic. Moderate calcite alteration in places. Py is disseminated sparsely throughout.
D150529	CH6-C	1.00	2.00	582887.54	5317996.64	0.736	Same as previous, iron carbonate altered basalt interval.
D150531	CH6-C	2.00	3.00	582886.57	5317996.40	0.552	Same as previous, iron carbonate altered basalt interval + flat lying quartz vein from 2.1-2.2m.
D150532	CH6-C	3.00	4.00	582885.60	5317996.15	0.467	Same as previous + flat lying quartz vein from 3.3-3.4m up to 5cm thick in places, barren, milky white. Interval becomes less altered near 3.5m
D150533	CH7-C	0.00	1.00	582897.65	5318016.36	0.428	Basalt, fine grained, 1cm flat lying quartz vein dipping 20° north. Non-mineralized, however underlying basalt has up to >5% disseminated pyrite crystals to 1mm in size disseminated throughout, in places better than others + calcite alteration + iron carbonate alteration. Basalt is non-magnetic.
D150534	CH7-C	1.00	2.00	582896.96	5318017.08	2.180	Same as previous except quartz vein has fragments + chlorite alteration on fractures.
D150535	CH8-C	0.00	1.00	582901.91	5318012.51	0.064	Basalt, fine grained, iron carbonate alteration, pyrite as disseminated crystals more or less along the interval from 0.5-3%. Basalt is magnetic with minor calcite alteration.
D150536	CH8-C	1.00	2.00	582901.74	5318011.52	0.600	Basalt, iron carbonate alteration, same as previous. Magnetic + some py crystals to 2mm in size.
D150537	CH8-C	2.00	3.00	582901.57	5318010.54	1.635	Basalt, strong iron carbonate alteration especially on cants of 1.5-2.0cm wide quarts veins at 2.2 + 2.4-2.6m flat lying quartz vein. Basalt is non-magnetic.
D150538	CH8-C	3.00	4.00	582901.39	5318009.55	0.399	Basalt, same as previous, + flat lying quartz vein from 3.0-3.4m (2cm thick) dipping slightly north. Pyrite on contact of quartz vein + alteration is stronger near veins interval. Basalt is non-magnetic.
D150539	CH9-C	0.00	1.00	582913.02	5318028.50	0.147	Basalt, strong iron carbonate alteration throughout. Disseminated py as cubic crystals from 1-2mm in size. Non-magnetic. Py to 10% in places.
D150541	CH9-C	1.00	2.00	582913.05	5318027.50	0.761	Basalt, same as previous, iron carbonate alteration. Flat to 20° north dipping quartz veins at 1.0-1.5m to 2.0m, are milky white 2-4cm thick and not mineralized. Basalt is non-magnetic.
D150542	CH10-C	0.00	0.90	582905.44	5318013.92	0.962	Basalt, iron carbonate + calcite alteration and mm thick quartz stringers. Quartz vein, barren white from 0.0-0.2m, flat lying. Rock is very friable and strongly magnetic.
D150543	CH10-C	0.90	2.00	582906.43	5318013.75	0.006	Basalt with minor calcite + iron carbonate alteration with minor py throughout and is strongly magnetic.
D150544	CH10-C	2.00	3.00	582907.46	5318013.57	0.071	Basalt, same as previous + flat lying quartz vein from 2.3-3.0m with up to 10-15% pyrite as disseminated cubes at contact below quartz vein.
D150545	CH11-C	0.00	1.00	582917.45	5317988.18	0.050	Basalt, iron carbonate alteration. Quartz vein at 0.7-1.0m with >10% pyrite shouldering the quartz vein to 10's of cm. Basalt, fine grained and strongly magnetic excepting where strongly altered.
D150546	CH11-C	1.00	2.00	582917.86	5317987.26	0.771	Basalt, iron carbonate alteration. Same as previous + flat lying quartz vein at 1.0-1.5m, 1cm thick + silicious flat lying quartz vein at 1.5-1.6m with 15% disseminated pyrite as 1mm cubes over the quartz vein.
D150547	CH11-C	2.00	3.00	582918.27	5317986.35	1.010	Basalt, iron carbonate alteration, same as previous. Quartz vein at 2.5-3.0m, is 4cm thick. NOTE: at 2.5m mark, George took grab sample D150066. Cut interval sampled same location.
D150548	CH11-C	3.00	4.00	582918.67	5317985.44	0.293	Basalt, iron carbonate alteration, same as previous + flat lying quartz vein from 3.0-4.0m and at 3.9-4.0m 0.5cn thick quartz vein with tourmaline crystals patch on top of the quartz vein. Pyrite up to 5% as fine disseminated mm size crystals throughout the basalt + some pyrite in the quartz vein.
D150549	CH11-C	4.00	5.00	582919.08	5317984.52	0.240	Basalt, iron carbonate alteration, same as previous. A flat lying quartz vein from 4.0-4.2m. Also at 4.9-1.95m quartz vein and shear with significant pyrite on shoulders to 3cm on both sides. Shear strike ~146° south and is visible over a 10m length southward in outcrop. As typical pyrite increases to 10% under and in contact with the quartz veins.
D150551	CH12-C	0.00	1.00	582932.42	5317979.70	0.257	Basalt, very fine grained to fine grained. Iron carbonate alteration and is highly silicious in places with noticeable silica flooding/alteration. Typical… pyrite to several % in proximity to quartz veins. Quartz vein at 0.1m, 1cm wide dipping 24° east. NOTE: several additional cm wide quartz veins.
D150552	CH12-C	1.00	2.00	582931.63	5317979.08	1.955	Basalt, iron carbonate alteration, as previous. Silicification alteration + very fine grain textures + flat lying quartz vein across the interval and pyrite up to 5% and greater underlying the quartz vein.
D150553	CH12-C	2.00	3.00	582930.85	5317978.46	2.43 *	Basalt, iron carbonate alteration, same as previous. At 2.0-2.4m strong silica alteration + py crystals to 4mm in size within the quartz vein.
D150554	CH13-C	0.00	0.50	582931.15	5317981.82	0.047	Basalt, medium grained, iron carbonate alteration. Pyrite as disseminated, spotty throughout + in mm wide veins. Interval is not magnetic.
D150555	CH13-C	0.50	1.50	582930.49	5317981.46	0.010	Basalt, iron carbonate alteration, same as previous + finer grained + silicious over short intervals + magnetic attraction is medium to strong in places and pyrite as previously noted.
D150556	CH13-C	1.50	2.50	582929.61	5317981.00	0.014	Basalt, iron carbonate as previous. 5cm silicified band dips 90° at 1.7m. Dipping east at 50° several stringers over 20cm.
D150557	CH13-C	2.50	3.50	582928.72	5317980.53	1.145	Basalt, iron carbonate alteration, same as previous + pyrite as 1-3mm sized crystals. From 2.6 to end of interval >10% pyrite in places. 90° dipping 0.5cm wide quartz veins at 3.0m over 20cm, striking at 170° south.
D150558	CH13-C	3.50	4.50	582927.84	5317980.06	7.83 *	Basalt, iron carbonate alteration as previous + quartz veining network as previous dipping east, dip of ~35° east. Basalt is very fine grained in places, py as typical up to >10% in places with silicification between quartz veins from 3.5-4.5m.
D150559	CH14-C	0.00	1.00	582929.68	5317966.62	0.181	Basalt, iron carbonate alteration, fine grained, strongly carbonatized alteration + numerous calcite stringers and is strongly magnetic. Py as disseminated and spotty patches throughout. Strong reaction to acid test.
D150561	CH14-C	1.00	2.00	582929.04	5317965.85	2.150	Basalt, iron carbonate alteration, non-magnetic, fine grained, network (book working) of 0.5cm quartz veins from 1.2-1.7m. Strongly siliceous interval with py crystals disseminated 1-4mm in size. From 1.2-1.6m ~30% pyrite in the interval. Quartz veins strike east at 20° east dip.
D150562	CH14-C	2.00	3.00	582928.39	5317965.08	0.839	Basal, iron carbonate alteration, serval quartz veins as previous. Basalt as previous, fine grained with disseminated pyrite to 0.5%. Significant quartz vein at 2.7-3.0m. NOTE: Chalcopyrite + pyrite + (tellurides?) in disseminated + laminated mm widths. Py crystals as blebs distributed randomly throughout the quartz vein to 5%.
D150563	CH14-C	3.00	4.00	582927.75	5317964.32	0.379	Basalt, iron carbonate alteration, as previous. Basalt is fine grained. Quartz vein continues from previous. From 3.0-3.3m same sulfides as previous + in patches throughout.
D150564	CH14-C	4.00	5.00	582927.11	5317963.55	0.009	Basalt, strongly magnetic. Minor disseminated pyrite throughout, fine grained, dark grey with minor calcite alteration as mm thick veinlets.
D150565	CH14-C	5.00	6.00	582926.46	5317962.79	0.018	Basalt, as previous, minor disseminated py + iron carbonate alteration on fractures.
D150566	CH14-C	6.00	7.00	582925.82	5317962.02	0.985	Basalt, see description from D150567.
D150567	CH14-C	7.00	8.00	582925.18	5317961.25	9.49 *	Basalt, 7.0-7.5 iron carbonate alteration with flat lying quartz vein + 10% pyrite disseminated and blebby associated with the quartz vein. Same flat lying quartz vein, same alteration and py dissemination.
D150568	CH14-C	8.00	9.00	582924.54	5317960.49	1.535	Basalt, iron carbonate alteration and flat lying quartz vein across the interval to 5cm thick and >20% pyrite in places within the quartz vein and contacts with pyrite crystals to 5mm in size in places. NOTE: colour of pyrite from silver to bronze, possibly some chalcopyrite. Interval is highly silicious.
D150569	CH14-C	9.00	10.00	582923.89	5317959.72	0.366	Basalt, iron carbonate alteration. 8.0-8.5m as previous with up to 10% pyrite + numerous silica veinlets. 8.5-9.0m calcite alteration + chlorite alteration (up to 30% chlorite) in a zone over 0.5m, continues into the next sample. Chlorite is in 90° dipping lenticular bands associated with calcite stringers + 10% pyrite.
D150571	CH14-C	10.00	11.00	582923.25	5317958.96	0.065	Basalt, same as previous, iron carbonate alteration. Mineralization trends with chlorite alteration as streaks at 140° south dip. Strongly magnetic.
D150572	CH14-C	11.00	12.00	582922.61	5317958.19	0.013	Basalt, same as previous, iron carbonate alteration. Strongly magnetic.
D150573	CH14-C	12.00	13.00	582921.97	5317957.42	0.210	Basalt, same as previous, strongly magnetic, iron carbonate alteration + 5-10% disseminated pyrite + chlorite alteration. At 12.6m 1cm quartz vein. At 12.8-12.9m flat lying 4cm thick quartz vein with >10% pyrite on contacts. Quartz vein is milky white and includes 1-2cm thick calcite veinlets. NOTE: Chalcopyrite blebs in places associated with 3% pyrite.
D150574	CH14-C	13.00	14.00	582921.32	5317956.66	0.514	Basalt, previous, chlorite + calcite alteration, fine grained pyrite <0.5% disseminated throughout.
D150575	CH14-C	14.00	15.00	582920.68	5317955.89	1.900	Basalt, medium to fine grained + chlorite alteration + calcite alteration. Chlorite as mm thick veins within flat lying 5cm thick quartz vein + from 14.0-15.0m >10 pyrite on the lower quartz vein contact, otherwise only <1% as dissemination throughout.
D150576	CH15-C	0.00	1.00	582926.22	5317967.38	0.682	Basalt, iron carbonate alteration. Quartz veining as mm wide, mineralized, multi-directional, non-magnetic and fine grained. At 0.9-1.0m 10% disseminated pyrite.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150577	CH15-C	1.00	2.00	582925.57	5317966.61	1.770	Basalt, same as previous + flat lying quartz vein at 2.5-3.0m, includes minor chalcopyrite + disseminated py at the quartz vein includes some chlorite alteration.
D150578	CH15-C	2.00	3.00	582924.93	5317965.84	0.088	Basalt with iron carbonate alteration, same as previous + chlorite lenses 0.5-1.0cm long 90° dipping quartz vein and flat lying quartz vein. <0.5% pyrite at 2.7-3.0m.
D150579	CH15-C	3.00	4.00	582924.29	5317965.08	0.029	Basalt, same as previous. Flat lying quartz vein from 3.0-3.2m. Iron carbonate alteration + chlorite alteration. Moderately magnetic.
D150581	CH15-C	4.00	5.00	582923.65	5317964.31	0.802	Basalt, minor iron carbonate alteration, moderately magnetic to 4.7m then non-magnetic to 5.0m. Weak narrow shear from 4.8-5.0m with associated chlorite alteration.
D150582	CH15-C	5.00	6.00	582923.00	5317963.55	2.260	Basalt, iron carbonate alteration. Flat lying quartz vein from 5.0-5.5m. Up to 5% pyrite underlying the quartz vein contact interval. Occasional 0.5cm quartz veins to end of sample. Basalt is non-magnetic.
D150583	CH15-C	6.00	7.00	582922.36	5317962.78	0.278	Basalt, fine grained with iron carbonate alteration. Non-magnetic from 6.0-6.5m. 6.5-7.0m is moderately to strongly magnetic. Pyrite is minor excepting under the quarts vein at 5% pyrite.
D150584	CH15-C	7.00	8.00	582921.72	5317962.01	0.243	Basalt, iron carbonate alteration + chlorite alteration in flat lying quartz vein at 7.0-7.2m mark and also at the 7.7m mark. Pyrite is minor until under the quartz vein where it increases up to 5% on contact or the quartz vein. Magnetic from 7.0-7.4m. Non-magnetic from 7.4-8.0m. Quartz vein is milky white and barren of sulfides.
D150585	CH16-C	0.00	1.00	582940.64	5317941.02	0.008	Basalt, fine grained, dark grey, chlorite + strong calcite alteration. Fine + blebs of pyrite and some amygdule's. Strongly magnetic. "Typical basalt flows".
D150586	CH16-C	1.00	2.00	582939.99	5317940.25	0.563	Basalt, iron carbonate alteration + chlorite alteration + calcite alteration is weaker. Some minor quartz veining 0.5cm wide at 1.9m. Strongly magnetic to 1.5m. Non-magnetic from 1.5-2.0m.
D150587	CH16-C	2.00	3.00	582939.35	5317939.49	14.65 *	Basalt, iron carbonate alteration. Flat lying quartz vein from 2.7-3.0m + 5% pyrite under the quartz vein. Tourmaline crystals on the quartz vein with silica alteration on contact to basalt, same as previous.
D150588	CH16-C	3.00	4.00	582938.71	5317938.72	2.83 *	Basalt, iron carbonate alteration + disseminated pyrite throughout. Dark grey colour. Some mm wide quartz veins.
D150589	CH16-C	4.00	5.00	582938.07	5317937.96	0.597	Basalt, fine grained, iron carbonate alteration is minor + only minor pyrite. Flat lying quartz vein with 10% pyrite on contact, same as previous.
D150591	CH17-C	0.00	1.00	582936.80	5317937.76	1.175	Basalt, iron carbonate alteration + calcite alteration, fine grained with minor disseminated pyrite in places more so under the flat lying quartz vein at 0.4m.
D150592	CH17-C	1.00	2.00	582936.01	5317937.14	3.42 *	Basalt, iron carbonate alteration + calcite alteration, same as previous. Flat lying quartz vein at 1.4-1.6m. Up to 10% blebby pyrite under the quartz vein contact otherwise pyrite is <1% throughout.
D150593	CH17-C	2.00	3.00	582935.22	5317936.52	3.780	Basalt, iron carbonate alteration, same as previous + 6cm thick flat lying "smoky" quartz vein which is course grained from 2.6-2.9. Pyrite is visible on the lower contact of the quartz vein.
D150594	CH17-C	3.00	4.00	582934.43	5317935.91	0.089	Basalt, fine grained, strongly magnetic with occasional pyrite as blebs. Some calcite alteration throughout.
D150595	CH18-C	0.00	1.00	582937.04	5317937.32	5.160	Basalt with iron carbonate alteration + weak calcite alteration throughout. Quartz vein, flat lying, across the cut with up to 10% pyrite underlying the quartz vein in contact with basalt otherwise pyrite is <1% throughout.
D150596	CH18-C	1.00	2.00	582936.10	5317937.66	4.320	Basalt, same as previous. Flat lying quartz vein over the interval to 5cm thick. Py underlying the quartz vein is 5%. Anchorite in quartz vein as light brown slips on crystal structure.
D150597	CH18-C	2.00	3.00	582935.16	5317938.00	6.01 *	Basalt. 2cm flat lying quartz vein from 2.0-2.3m. Very good sulfides up to 30% pyrite in places. Basalt includes strong iron carbonate alteration.
D150598	CH18-C	3.00	4.00	582934.22	5317938.35	7.94 *	Basalt, underlying flat lying quartz vein up to 4cm thick across interval. Quartz vein is barren of sulfides "as typical". Pyrite is visible underlying the quartz vein on the contact.
D150801	CH19-C	0.00	1.00	582928.79	5317934.47	0.001	Syenite porphyry dike, albite alteration + several narrow quartz veins with epidote as crystal growths to 1cm + chlorite (gouge) at 0.5m. At 0.5m a few blebs of chalcopyrite within + minor potassic alteration in quartz vein + epidote. Quartz veins are very "vuggy" in places, includes a couple 1cm wide epidote veinlets.
D150802	CH19-C	1.00	2.00	582928.02	5317933.82	0.001	Syenite porphyry dike, same as previous, medium grained, equigranular. Narrow epidote veinlets continue, non-mineralized with minor chlorite on fractures.
D150803	CH19-C	2.00	3.00	582927.26	5317933.18	0.001	Syenite porphyry dike, same as previous, chlorite alteration as crystals, porphyry texture becoming less obvious, albite alteration and no sulfides.
D150804	CH19-C	3.00	4.00	582926.49	5317932.54	0.001	Syenite porphyry dike, same as previous, intervals become very fine grained in places. Chlorite persists with albite alteration. No visible sulfides.
D150805	CH19-C	4.00	5.00	582925.72	5317931.89	0.001	Syenite porphyry dike, same as previous, fine grained + very fine grained to medium grained over interval. Chlorite + albite alteration + hematite alteration in a few places with calcite veins to 1mm in width. Chlorite veins also 1mm + spotty hematitization and more localized to weak shearing at 4.4-4.6m.
D150806	CH20-C	0.00	0.90	582937.52	5317932.23	1.385	Basalt 0.0-0.65m, medium grained, strongly magnetic, heavily fractured. Sharp contact to quartz vein at 0.65m and unaltered. 0.65-0.9m quartz vein, cloudy white, massive and course crystals. Quartz vein dipping north at 22°N. From broken face on south side the quartz vein is 3-10cm thick. 10% pyrite on contact with basalt. Pyrite is associated with short flat chlorite inclusions within the quartz vein.
D150807	CH20-C	0.90	2.00	582936.59	5317931.86	25.4 *	Basalt from 0.9-1.1m with iron carbonate alteration. Basalt is overlying the previously mentioned quartz vein with 50% disseminated + stringers of py. At 1.1-1.9m quartz vein, same as previous. NOTE: At 1.7m VISIBLE GOLD + tellurides + a bleb of chalcopyrite . Includes chlorite laminates very few cm - as horizontally banding + associated with disseminated pyrite. From 1.9-2.0m iron carbonate alteration of basalt which is well mineralized to >10% pyrite. Weathering is several cm in depth.
D150809	CH20-C	2.00	3.00	582935.62	5317931.47	0.100	Basalt from 2.0-2.3m overlying quartz vein. 10% pyrite continues as previously mentioned. Iron carbonate alteration to 2.5m. Then fault breccia and the contact of basalt and altered syenite porphyry has been faulted and over 30cm of quartz stringers 1mm thick. Very fine grained minor amount of py. At 3.0m shear ends. NOTE: Shear offsets the quartz vein by 10cm thrusted upwards on east side.
D150811	CH21-C	0.00	0.80	582935.51	5317928.92	4.550	Quartz vein 0.0-0.8m, same vein as previously mentioned with exception is now within the syenite porphyry dipping north at 20°N. Quartz vein has angular cm sized fragments of chlorite + iron carbonate alteration within the syenite porphyry with albite alteration. Very few visible sulfides. A few specks of pyrite and iron carbonate alteration as fracture filling.
D150812	CH21-C	0.80	1.80	582934.88	5317928.28	0.271	Syenite porphyry dike, 0.8-1.3m continuation as previous. Highly albite altered "cooked-bleached-white" syenite porphyry with strong albite + chlorite alteration. Porphyry texture replaced by iron carbonate alteration + chlorite alteration as crystal growths, limited to the syenite porphyry. Very minor pyrite, mainly on the contact of the quartz vein.
D150813	CH21-C	1.80	2.70	582934.22	5317927.59	0.006	Same as previous to 2.4m, iron carbonate alteration on quartz vein contact + chlorite banding horizontally. Syenite porphyry has albite alteration and iron carbonate alteration in contact with the quartz vein.
D150814	CH22-C	0.00	0.90	582942.10	5317929.75	0.002	Basalt, appears unaltered, no reaction to acid test, very fine grained (black). Two locations of iron staining… at 0.0m and 0.7m. At 0.7m siliceous with massive pyrite stringers dipping 90° and striking 150° south. Stringers are associated with iron carbonate alteration. NOTE: Several 1-2cm wide 90° di quartz veins across the interval. Pillow salvages are visible assuming pillow basalt flows.
D150815	CH22-C	0.90	1.90	582941.47	5317929.04	0.001	Same as previous except centre of some pillows have a high epidote content. Minor rusting on fractures.
D150816	CH23-C	0.00	1.00	582942.30	5317924.98	0.002	Basalt from 0.0-0.4m, very fine grained, moderately magnetic. A few splashes of pyrite intermittent throughout. At 0.4-1.0m non-magnetic + a 20cm shear with minor pyrite striking 290° west.
D150817	CH23-C	1.00	2.00	582941.53	5317924.33	0.001	Basalt, fine grained, massive flow, non-magnetic, py as 1cm 90° fracture filling sporadically.
D150818	CH23-C	2.00	3.00	582940.77	5317923.69	0.001	Same as previous. Flat lying quartz, vuggy from 2.5-3.0m associated with strong epidote content. No visible sulfides.
D150819	CH23-C	3.00	4.20	582939.92	5317922.98	0.001	Same as previous. Strong epidote from 3.0-4.0. Vuggy quartz "blowout" across interval. No sulfides.
D150821	CH24-C	0.00	1.20	582946.17	5317925.98	0.001	Basalt, pillows and flares with calcite + minor py. A 1cm wide quartz vein at 0.5m. Non-mineralized 90° dip. Some minor hematite alteration.
D150822	CH25-C	0.00	0.95	582949.56	5317924.49	0.001	Basalt as previously described. Pillow and flares in basalt flows with minor calcite on salvages. Strongly magnetic.
D150823	CH25-C	0.95	1.90	582948.90	5317923.80	0.001	Basalt as previous + quartz "blowout" vuggy crystals + 80% epidote. No sulfides worth noting, only minor blebs "typical in basalt".
D150824	CH26-C	0.00	1.00	582958.46	5317917.15	0.004	Basalt from 0.0-0.5m with iron carbonate alteration and with ~1% disseminated py at the contact with quartz vein dipping north at 24°N. Pyrite rind of 0.5 cm to 3% pyrite. Quartz vein is massive, milky white to translucent with minor pyrite blebs.
D150825	CH26-C	1.00	1.90	582957.80	5317916.47	0.001	Quartz veins, same as previous from 1.0-1.2m, then basalt with iron carbonate alteration, same as previous.
D150701	CH1-D1	0.00	1.20	582914.48	5317532.91	1.140	Diabase, iron carbonate alteration, capping over quartz vein dipping north at 14°N. Two (2) mm sized gold grains at 0.05m with specks of tellurides. Chlorite as a 3mm wide flat lying seam under the quartz vein, same dip and strike. Diabase has 10-15% pyrite as disseminated crystals throughout and is not magnetic and no reaction to acid test. Blank put in after finding visible gold and tellurides.
D150703	CH2-D1	0.00	0.50	582919.07	5317532.80	38.900	Flat lying quartz vein, dip 10° north. At 0.0m splashes-ribbon of 2mm size blebby chalcopyrite within chlorite. Minor malachite. Quartz vein is massive with minor chlorite blemishes that are mm size and translucent. Small sub mm size of visible gold at 0.04m associated with chalcopyrite(?) crystals and chlorite. Blank inserted after visible gold.
D150705	CH2-D1	0.50	1.30	582919.02	5317532.15	9.970	Flat lying quartz vein, same as previous. At 0.53m bleb (as 1cm blemish) or chlorite with ribbon of chalcopyrite - sub mm size. At 0.7m silvery grey tellurides over 0.5cm - flat smear on seam of chlorite. A splash of visible gold in another seam nearby. At 0.8m a single speck of visible gold with chlorite on seam. Quartz vein has occasional mm size pyrite crystal growths. At 0.9m specks of gold with tellurides. At 0.9m 5 small specks of gold across a seam with chlorite. Blank inserted after visible gold.
D150707	CH2-D1	1.30	2.60	582918.95	5317531.11	0.009	Quartz vein. Same as previous. No visible gold or tellurides. Same basalt and quartz vein.
D150708	CH3-D1	0.00	0.80	582919.13	5317528.85	3.520	Basalt, strong iron carbonate alteration with laminated grey bands. 1-2% pyrite disseminated sporadically throughout + minor silica alteration. Non-magnetic and no reaction to acid test.
D150709	CH3-D1	0.80	1.80	582919.44	5317528.00	0.613	Same as previous until 1.4m then quartz vein with a few specks of pyrite + splashes of chlorite, but only a few here and there.
D150711	CH4-D1	0.00	0.65	582924.63	5317534.54	0.500	Quartz vein, dip 10° north. Quartz vein has minor chlorite in some fractures + only minor py on "hanging wall - top" contact weathered surface. Same quartz vein as previous. Maybe a small mm size patch of telluride with the pyrite at 0.1m.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150712	CH4-D1	0.65	1.40	582924.58	5317533.87	14.4 *	Quartz vein, same as previous, continues into this cut. Visible gold at 0.7-0.75m mark. Basalt overlying quartz vein from 0.8-1.1m. Basalt has iron carbonate alteration + pyrite to 10% on quartz vein contact. A few blebs of chalcopyrite on contact as well. At 1.2m tellurides as several blebs mm in size + possibly 1 very small speck of gold. Black inserted due to visible gold and tellurides.
D150714	CH5-D1	0.00	1.10	582930.54	5317535.85	0.740	Quartz vein, same as previous. A brief interval of 0.0-0.15m of basalt overlying the quartz vein, has 5-10% pyrite as disseminated and blebs + iron carbonate alteration. Chalcopyrite at 0.2m and 0.3m as 3mm blebs. Quartz vein is milky white with translucent crystals + chlorite clots on fractures intermittently associated with pyrite.
D150715	CH5-D1	1.10	2.00	582930.44	5317534.86	0.785	Quartz vein, same as previous continues into this sample. NOTE: That all cut pieces of quartz vein have been closely observed with a hand lens in all the samples.
D150716	CH5-D1	2.00	3.00	582930.34	5317533.91	1.440	Quartz vein, same as previous continues into this cut interval. Contact breccia with underlying basalt with strong iron carbonate alteration + fragments from 2.10-2.7m. Quartz vein infilling fractures. Pyrite up to 10% is limited to the altered basalt. Pyrite crystals to 2mm + minor chlorite on fractures.
D150717	CH6-D1	0.00	1.20	582934.87	5317535.29	1.980	Same quartz vein as previous channel. Similar breccia type fragments within the quartz vein. Quartz vein overlies basalt. Basalt fragments contain ~5% disseminated pyrite. Basalt has iron carbonate alteration. Quartz vein has a few chlorite clots to 4mm in size and small specks of tellurides at 0.3m with small specks of visible gold at 0.35m including telluride as smears on fractures at 0.5m. Blank inserted after sample.
D150719	CH6-D1	1.20	2.10	582934.79	5317534.24	0.842	Same vein as previous sample runs into this cut. At 1.5m contact with basalt with iron carbonate alteration has 20% disseminated pyrite in the altered basalt at the quartz vein contact.
D150721	CH6-D1	2.10	3.10	582934.73	5317533.29	0.015	Same as previous. Quartz vein continues into this cut to end of channel. Very uninteresting. Bull quartz throughout interval
D150722	CH7-D1	0.00	1.00	582937.42	5317536.00	2.94 *	Basalt with iron carbonate alteration. From 0.0-0.3m fine disseminated pyrite to 5-10% + at 0.27m two (2) 2mm wide quartz veins of pyrite stringers. Quartz vein starting at 0.3-1m is same quartz vein as previous channels with same dip north. A few very small blebs of chlorite within quartz vein. Very small telluride specks at 1.8m.
D150723	CH1-D2	0.00	0.80	582999.14	5317543.84	0.748	Quartz vein, milky white with only a few pyrite splashes + a few crystals of (10mm long x 2mm wide) tourmaline crystals. A thin rind of rust on surface and minor pyrite at contact with basalt. The hanging wall is now removed. Quartz vein is course and crystalline and dips 5° north. NOTE: A close check of quartz with a hand lens for gold or tellurides was completed for all samples.
D150724	CH2-D2	0.00	0.70	583001.87	5317546.12	0.081	Basalt, 0.0-0.5m, grey and iron carbonate alteration + calcite confirmed with a minor reaction to acid test. Minor disseminated pyrite <0.5% in quartz-calcite stringers. Basalt is strongly magnetic. At 0.5-0.7m quartz vein is cloudy white and massive + barren. A single mm sized tourmaline crystal was observed. NOTE: Channel cut was only 3cm deep.
D150725	CH2-D2	0.70	1.40	583002.04	5317545.44	0.060	Quartz Vein, no sulfides as previously described, same vein, barren interval.
D150726	CH2-D2	1.40	2.00	583002.20	5317544.81	0.018	Quartz vein as described previously, barren from 1.4-1.45. Basalt from 1.45-2.0m, as describes in sample D150724. Minor chlorite as black lenticular speckles in contact with quartz vein + minor disseminated py <0.5% sporadically throughout. Quartz vein dips north at 5°.
D150727	CH3-D2	0.00	0.70	583003.34	5317548.92	0.002	0.7m contact of 12cm wide quartz vein and basalt. 0.0-0.7m basalt, fine grained and siliceous with 1% disseminated pyrite and is moderately magnetic with iron carbonate alteration + silicification.
D150728	CH3-D2	0.70	1.40	583004.02	5317548.75	0.848	0.7m contact of basalt and quartz vein. Quartz vein is milky white, massive and barren. From 0.73-0.9m dips 30° north. Strong sulfide on footwall up to 20-30% within 20cm from the contact includes pyrite cubes to 0.5cm in size. Mineralization is pervasive to 1.4m. Second quartz vein from 1.0-1.05 is barren, same dip 30° north.
D150729	CH3-D2	1.40	2.20	583004.75	5317548.56	0.660	Basalt, iron carbonate alteration, medium grained, highly silicious, non-magnetic with 30% disseminated pyrite primarily as crystals averaging 2mm in size. Narrow quartz veins at 1.8-1.9m are milky white + some pyrite in the quartz vein + possible telluride in vein at 2.9m Again quartz vein strikes 30° north.
D150731	CH4-D2	0.00	0.50	583003.23	5317552.91	0.912	This channel cut was marked out to sample a 20cm wide quartz vein and 20cm on either side basalt with iron carbonate alteration + silicified. Basalt has disseminated pyrite cubic crystals to 4mm in size at 10% + blebs in the contact with the quartz vein. Quartz vein is translucent to white and mainly barren of py. Quartz vein dips at 50° north, striking 326° north.
D150732	CH4-D2	0.50	1.20	583003.79	5317552.68	0.492	Basalt, iron carbonate alteration. At 0.5m a 3cm wide quartz vein with iron carbonate alteration in fractures and on the contact. A second quartz vein at 1.0m is 4cm wide with the same dip and strike. Basalt has iron carbonate alteration + silicified zones containing 10-15% disseminated pyrite.
D150733	CH4-D2	1.20	3.00	583004.95	5317552.21	0.935	Basalt, iron carbonate alteration, disseminated pyrite >5%, better near vertical dipping quartz vein at 1.4m, is 4cm wide, dip 90°, striking 180° south. Several other 0.4cm quartz veins marling in places accompanies with pyrite.
D150734	CH4-D2	3.00	3.80	583006.15	5317551.73	1.800	Quartz vein from 3.0-3.05m, rips 70° north, strikes 326° west. Basalt has iron carbonate alteration to 3.8m. From 3.5-3.8m narrow quartz vein net-textured veinlets mostly flat lying and up to 10% pyrite throughout. Except in the quartz veins. The interval includes silica alteration within the basalt.
D150735	CH4-D2	3.80	4.50	583006.71	5317551.50	1.490	Basalt, iron carbonate alteration with 10% disseminated pyrite as very fine grained to mm size crystals. Quartz veins are flat lying and stacked, are 1-3cm thick forming a book working. On some contacts pyrite as very fine grained. A 1/4cm thick quartz vein network strike 330° north.
D150736	CH5-D2	0.00	1.30	583002.62	5317558.20	0.555	Basalt, iron carbonate alteration throughout. ~10% pyrite throughout as well. Quartz vein at 0.2m, is 2cm wide, dip 30°, strike 330° north. A second quartz vein at 0.4m, same as previous. A 3rd quartz vein at 0.55m, same as previous. A few more 0.5cm wide to 1.3cm. Minor chlorite occurs as elongated lenses along the foliation. Silicification of the basalt occurs near the quartz veins.
D150737	CH5-D2	1.30	2.30	583003.71	5317558.56	0.474	Basalt, same as previous excepting a quartz vein at 1.6m which is unaltered with pyrite on the contacts with the basalt.
D150738	CH5-D2	2.30	3.30	583004.66	5317558.87	0.865	Basalt, same as previous + several 1/4-1/2 cm quartz vein, almost 90° dip. Minor chlorite alteration occurs disseminated as small black spots and blotches.
D150739	CH5-D2	3.30	4.30	583005.61	5317559.17	1.175	Basalt, same as previous + significant book working of quartz veins striking 314° north, dips of 70-90° northward. Very little pyrite in the quartz veins. Pyrite up to >10% throughout cut interval. Significant quartz veins at 3.5 and 4.0m, a network of quartz veins. Iron carbonate alteration + sulfides (pyrite) occur as disseminated, cubes and blotchy patches to 1cm in size and is limited to the basalt only.
D150741	CH5-D2	4.30	5.30	583006.57	5317559.48	1.930	Basalt, as previous. Strong iron carbonate alteration and disseminated pyrite throughout, and non-magnetic. A 10cm wide quartz vein at 4.5m, dips 90° and strikes at 314° north as previous quartz veins. Quartz vein has laminates of cm wide bands or 1mm chlorite. Pyrite as contact and in fragments within quartz vein. Minor hematite (reddish) alteration on quartz veins contact hanging wall. Brown iron carbonate alteration weathering rind is 5cm thick in places. A flat lying quartz vein from 4.2-5.2m, barren with pyrite up to 25% in veinlets mainly plus the contacts.
D150742	CH6-D2	0.00	1.00	583005.48	5317564.14	0.124	Basalt, iron carbonate alteration, fine grained, shows signs of silica alteration. Very fine grained pyrite in places, localized to 1-2mm wide quartz veinlets. Basalt is non-magnetic.
D150743	CH6-D2	1.00	2.00	583006.44	5317564.41	0.702	Flat lying quartz vein from 1.1-1.5m, is 1-4cm thick with disseminated pyrite crystals to several cm on either contact including pyrite blebs up to 105cm in size. In basalt, shows iron carbonate alteration. Pyrite is pervasive throughout as disseminated cubes 1-2mm in size and blebs up to 0.5cm in size. Only a few pyrite crystals in the quartz vein.
D150744	CH6-D2	2.00	3.10	583007.45	5317564.70	1.790	Basalt, iron carbonate alteration + silica alteration including 10% disseminated pyrite cubes. Quartz vein, 4cm wide, milky white, dipping 54° north, striking 328° north + massive quartz vein from 2.3-3.0m, milky white with a few pyrite sulfides. Chlorite clots within the quartz vein at 2.8m and from 2.8-3.0m contact breccia in the form of cm size angular fragments within the footwall the iron carbonate altered basalt with chlorite fracture filling and quartz.
D150745	CH7-D2	0.00	1.00	583004.26	5317567.42	0.129	Basalt, greyish with lighter grey blemishes on bedding planes + some 1mm wide pyrite veins otherwise overall <0.1% pyrite. Basalt has iron carbonate alteration. A flat lying quartz vein at 0.5m, 3cm thick, strikes 150° south. Second similar quartz vein at 1.0m. NOTE: No strong pyrite association with quartz veins, basalt is non-magnetic and no reaction to acid test.
D150746	CH7-D2	1.00	2.00	583004.79	5317568.27	1.285	Primarily flat lying quartz vein from 1.0-2.0m. At 1.2m bleb of pyrite with malachite staining (possible telluride with the chalcopyrite). At 1.1m chlorite in weak shear with basalt over 4cm. Minor chalcopyrite is visible with chlorite clots + possible speck of visible gold. 1.15-1.2m shear has fragments of basalt + pyrite + chalcopyrite + one small speck of visible gold + a few (very minor) small tourmaline specks or chlorite lenses along fractures.
D150747	CH7-D2	2.00	3.00	583005.32	5317569.12	1.465	Breccia zone continues, basalt fragments altered deep purple (hematite alteration?) + marling of narrow quartz (re-healed_ with pyrite in places to 5%. At 2.5, two bands 3mm wide of specular hematite also noted in other locations + iron carbonate alteration. 2.0-2.2m flat lying quartz vein as previous. Chlorite in fractures with quartz and pyrite in blebs + cubes at 0.5m
D150748	CH7-D2	3.00	4.00	583005.85	5317569.97	1.185	Basalt. Iron carbonate alteration + hematite alteration + minor calcite in fractures. 3.0-3.4m hematite altered breccia persists as previous. At 3.4-3.6m fault/shear with 2cm quartz vein in centre dipping 90° striking 292° west. Well fractures from 3.6-4.0m. Iron carbonate alteration + pyrite as occasional blebs + calcite alteration and weakly magnetic at 3.9-4.0m. Shear is 20cm wide and chlorite in the shear is over 20cm across. Pyrite as 2mm veins in places + blebs in basalt.
D150749	CH8-D2	0.00	1.20	583005.46	5317569.39	2.460	Same intersect as D150747 and D150748, same shear at 0.5m. Hematite alteration is much less pronounced and shear fractures are longer with some folding close to the quartz vein. From 0.0-0.5m basalt with iron carbonate alteration. Then shear with quartz vein and chlorite + 20% pyrite then basalt with chlorite on fractures.
D150792	CH1-D2-S	0.00	0.90	583057.39	5317520.78	0.115	Porphyry dike, mineralized in a 1m shear with 20% pyrite as disseminated and disseminated blebs. Iron carbonate alteration + (hematite?) to "cooked up" to determine 100% accuracy. Heavily fractures. Chalcopyrite in with pyrite as malachite staining + in association with chlorite blotches (black). Calcite alteration is strong reaction to acid test.
D150793	CH1-D2-S	0.90	2.10	583058.30	5317520.25	0.009	Porphyry dike, highly fractured "cooked" now weathered out becomes "vuggy". Some 0.5-1cm quartz veins. Assuming iron carbonate alteration + chlorite alteration + chlorite alteration and pyrite or calcite is weathered out.
D150794	CH1-D2-S	2.10	3.00	583059.21	5317519.72	0.046	Porphyry dike, vuggy weathered out calcite vesicles, disseminated py, iron staining on fractures + narrow 3mm thick calcite veining throughout + as patches + hematite alteration(?).
D150751	CH1-D3	0.00	1.20	583008.48	5317601.30	2.220	Quartz vein nearly flat lying (dip 10°N) dipping north with a varying thickness from 1.5cm to bottom of 5cm cut. At 0.45m underlying basalt is iron carbonate altered + silica + 20% disseminated pyrite in grey fine grained matrix. Pyrite forms massive 3mm bands covering the contact of basalt and quartz vein. Quartz vein has chlorite on some fractures otherwise barren, bull white with translucent crystals. NOTE: Tellurides and a speck of gold at 1.0m. Inserting blank after sample.
D150753	CH1-D3	1.20	2.20	583007.53	5317601.85	0.082	Same as previous cut. Same vein as previous continues, in places as thick as 7cm. Underlying basalt shows iron carbonate alteration + >20% disseminated pyrite on contact with overlying quartz vein. Possibly a small speck of telluride (possibly pyrite) otherwise py is nil but on a small shear of tourmaline.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150754	CH1-D3	2.20	3.10	583006.71	5317602.33	0.013	Same as previous cut only sample a small fraction of sulfides on the basalt, quartz vein contact.
D150755	CH2-D3	0.00	1.00	583010.78	5317602.45	0.223	Quartz vein overlying basalt. Basalt has iron carbonate alteration. Fragments of 20% pyrite mineralization in basalt at 0.2m and 0.5m. The occasional pyrite cube in quartz and in places some minor disseminated pyrite in clusters with small fragments of basalt. Otherwise barren, milky white and translucent crystals.
D150756	CH2-D3	1.00	2.00	583010.34	5317603.35	0.595	Quartz vein from 1.0-1.7m, same as previously described. A few 0.5cm sized pyrite crystals within the quartz vein but on lower contact pyrite is 20% disseminated and massive lenses. At 1.7-2.0m fine grained basalt, iron carbonate alteration, is non-magnetic, + has carbonate altered (calcite) + amygdule's filled with calcite. 10% pyrite under the quartz vein then <0.5% disseminated throughout sporadically.
D150757	CH2-D3	2.00	3.00	583009.90	5317604.25	5.21 *	Basalt, iron carbonate alteration + minor chlorite alteration. Several 0.5cm quartz veins laminated through basalt underlying flat lying quartz vein. At 2.2-2.5m steps up 20cm then continues as brecciated quartz vein. Basalt with 0.5cm sized pyrite + up to 30% pyrite as cubes until 3.0m. Pyrite also as disseminated blebs and 1mm thick lenses.
D150758	CH2-D3	3.00	4.00	583009.47	5317605.15	6.69 *	Quartz vein, as mentioned previously, showing windows of iron carbonate alteration basalt. At 3.0-3.2m breccia with 30% pyrites well as well developed crystals to 10mm in size and less through to 3.5-3.6m quartz vein with basalt underlying and several 0.5cm wide quartz veins. Flay lying quartz vein from 3.6-4.0m then basalt with 30% pyrite as before, blebs, large crystal growths, disseminated cubes + stringers as 1mm thick. Also some chalcopyrite crystals at 3.1m mixed with pyrite.
D150759	CH2-D3	4.00	5.00	583009.03	5317606.04	0.227	Quartz vein across cut as described previously, same vein. At 4.5 fragments of underlying basalt showing iron carbonate alteration with 25% pyrite as disseminated and blebs.
D150761	CH2-D3	5.00	6.00	583008.59	5317606.94	0.049	Quartz vein, same as described previously. Almost completely void of sulfides. A few pyrite near the bottom and in contact with underlying basalt. Several (iron carbonate altered + pyrite) basalt fragments within quartz vein at 6.0-6.5m.
D150762	CH2-D3	6.00	6.90	583008.17	5317607.80	0.521	Quartz vein, as described previously. Same fragments as inclusions. At 6.9m basalt has iron carbonate alteration with up to 1cm size crystals to 10% py.
D150763	CH3-D3	0.00	0.45	583012.92	5317604.21	1.725	NOTE: ALS lab error. Sample combined with D150764. Basalt, calcite alteration + iron carbonate alteration. 1-2mm thick calcite stringers + some blebs of calcite. At 0.2m a 1cm quartz vein, dip same as previous 10° north. Quartz vein in contact with underlying basalt. Up to 10% pyrite over 3cm otherwise <0.5% disseminated in basalt + quartz vein has only a few pyrite specks.
D150764	CH3-D3	0.45	1.40	583012.68	5317604.87	1.795	NOTE: ALS lab error. Sample combined with D150763. Quartz vein flat lying to ~10° north dip as previous. Same quartz vein, almost barren of sulfides, ends at 1.2m. Basalt shows iron carbonate alteration and has several 1cm + blebs of quartz as with 40% disseminated by between quartz veins.
D150765	CH3-D3	1.40	2.40	583012.35	5317605.79	5.2 *	Continues from previous description, pyrite is disseminated throughout basalt, more or less 1% to 20% depending on silicification and number of quartz veins. Basalt shows iron carbonate alteration and is non-magnetic. At 1.4m quartz vein starts.
D150766	CH3-D3	2.40	3.40	583012.01	5317606.73	0.176	Quartz vein, same as previous. Has basalt within in some places. 3.0-3.2m some minor chlorite patches as smears on crystal cleavages + disseminated pyrite.
D150767	CH3-D3	3.40	4.45	583011.66	5317607.69	0.817	Quartz vein same as previous. From 3.4-3.7m to 4.4m Basalt (iron carbonate alteration). Quartz vein and basalt contact are brecciated and silicification "healed" with 25% pyrite as crystals and disseminated chlorite on seams + narrow 2mm quartz veinlets.
D150768	CH4-D3	0.00	1.10	583028.44	5317607.32	0.163	Flat lying quartz vein dipping slightly north at 14° north. Broken face of quartz vein (looking north) is 10-20cm thick. Strong iron carbonate alteration on the hanging wall and foot walls of the quartz vein. 0.0-0.05m, iron carbonate alteration of basalt with 2mm thick quartz vein. 0.05-1.10m quartz vein with very minor chlorite on fractures and pyrite on hang wall contact to massive 3mm thick rinds. Quartz vein is cloudy white and barren of sulfides except a few specks of pyrite associated with basalt inclusions.
D150769	CH4-D3	1.10	2.10	583029.29	5317607.94	0.197	Quartz vein from 1.1-2.1m, same as previous. At 1.9m a 10cm interval of iron carbonate altered basalt. Completely weathered away hanging wall exposes a few chlorite on fractures.
D150771	CH4-D3	2.10	3.10	583030.10	5317608.53	0.010	Quartz vein, same as previous, pyrite on upper rind of iron carbonate altered basalt.
D150772	CH4-D3	3.10	4.10	583030.91	5317609.12	0.056	Quartz vein, same as previous from 3.1-4.1. At 3.1-3.2 chlorite in fractures associated with <01.% pyrite crystals.
D150773	CH4-D3	4.10	5.10	583031.72	5317609.70	1.705	Quartz vein, same as previous to 4.4m. Contact with footwall shows iron carbonate altered basalt. Basalt contact with quartz vein shows pyrite crystals increased in size to 5mm averaging 3mm. The rest of basalt is subjected to silicification as alteration including iron carbonate alteration. Pyrite is distributed throughout as 1-2%. Very minor calcite and is non-magnetic.
D150774	CH4-D3	5.10	6.10	583032.53	5317610.29	1.680	Basalt, iron carbonate alteration to 5.5m. Narrow 0.5 and 1cm quartz vein at 5.3m and 1cm unmineralized quartz vein at 5.5m and 0.5cm flat lying quartz vein underlying previous quartz vein. Slickensides at 5.9-6.1m. Weak narrow shear with chlorite on slips of shear dipping at 42° east striking 330° north.
D150775	CH5-D3	0.00	1.00	583031.36	5317611.35	1.905	NOTE: Channel cut was prepared across the iron carbonate alteration of basalt on the quartz vein hanging wall of quartz vein sampled in Channel 4. 0.0-0.2m quartz vein same as quartz vein described previously. From 0.2-1.0m iron carbonate alteration of basalt on hanging wall of underlying quartz vein. Significant pyrite mineralization as cubes to 9mm in size + are well disseminated in silicious altered basalt with a few 3mm quartz veins marking the near contact.
D150776	CH5-D3	1.00	2.00	583032.08	5317612.04	0.962	Basalt, same as previous except pyrite is now disseminated as sub-mm size cubes disseminated at 5% throughout.
D150777	CH5-D3	2.00	3.00	583032.80	5317612.74	1.280	Basalt, iron carbonate alteration, as previous + chlorite as lenses on crystal laminated chowing vertical stresses.
D150778	CH6-D3	0.00	1.00	583032.40	5317617.29	0.096	Basalt, iron carbonate alteration with I<1% disseminated pyrite. Basalt is medium grained with chlorite as crystal growths and lenses. Basalt is moderately magnetic and is silicious.
D150779	CH6-D3	1.00	2.00	583033.21	5317617.88	0.543	Quartz vein and fault, thrusted 1m in elevation on the east side from a weak shear. At 1.0m in contact with basalt - fragments over 10cm. Includes disseminated pyrite in fragments + a little chlorite blebs at 1.5m. Chlorite blebs increase in size and quantity and include very fine grained disseminated pyrite to ~1% + minor (peacock) colours in pyrite and darker crystals (chlorite?).
D150781	CH6-D3	2.00	3.00	583034.02	5317618.47	0.947	Quartz vein, same as previous from 2.0-2.2m. From 2.2-3.0m iron carbonate altered basalt. At 2.8m flat lying 1.5cm wide quartz vein intruded into chlorite altered + iron carbonate altered basalt wit hup to 5% disseminated pyrite.
D150782	CH6-D3	3.00	4.00	583034.83	5317619.06	2.900	Basalt, iron carbonate alteration, as previous. From 3.0-3.5 several quartz veins mostly 80-90° dips + one flat lying. Chlorite alteration as crystal growths. Quartz veins networking has increased pyrite to 20% in proximity to quartz veins.
D150783	CH6-D3	4.00	5.00	583035.64	5317619.65	17.900	Shear at 4.0m and fragmented from 1.0-5.0m. Quartz stock working with numerous 0.5-3.0cm wide quartz veins mostly barren and have "cooked" the interval resulting in pyrite as blebs + disseminated + rinds of sugary semi-massive pyrite 2mm thick. Chlorite alteration on veins margins + throughout non-magnetic basalt.
D150784	CH6-D3	5.00	6.00	583036.45	5317620.23	0.368	Basalt, iron carbonate alteration + chlorite alteration. Quartz vein 2cm wide at 5.7m, dips west at 45° strikes 310° west + disseminated pyrite to 1%. Shouldering quartz vein pyrite in altered basalt to 10% + as 3-4mm size crystals.
D150785	CH6-D3	6.00	7.00	583037.26	5317620.82	1.070	Basalt, as previous + a few narrow 4mm wide quartz veins at 6.9m. Chlorite + iron carbonate + silica alteration. Silica alteration at 6.9m to 5% pyrite shouldering the quartz vein.
D150786	CH6-D3	7.00	8.00	583038.07	5317621.41	1.105	Basalt as previously described. Cut has at least eight (8) quartz veins starting at 7.0-7.5m dipping ~45° west striking 330° north. NOTE: At 7.5m "pink" hematite and pyrite is silvery… possible tellurides here? At 8.0m weak shear marks the end of the alteration zone. Shear is 10cm wide striking at 308° west. Pyrite is almost semi-massive at 7.5m + 20% overall.
D150787	CH7-D3	0.00	1.00	583030.49	5317619.09	0.184	Basalt, 0.0-0.4m, iron carbonate alteration. 0.4m, 1cm wide 90° dipping quartz vein with chlorite in fractures. Sulfides on upper contact. A few pyrite in fractures in quartz vein. Some massive pyrite rim quartz vein to 1cm thick.
D150788	CH7-D3	1.00	2.00	583031.48	5317619.26	0.077	Same as previous to 1.4m. At 1.4-1.5m fracturing marks the end of chlorite in 90° dipping fractures.
D150789	CH7-D3	2.00	3.00	583032.46	5317619.43	3.12 *	Quartz vein from 0.0-2.3m. Quartz vein same as previous. From 2.3-3.0m basalt, as previous, 1% pyrite on contact of quartz vein. Iron carbonate alteration + chlorite crystals + silica alteration.
D150791	CH7-D3	3.00	3.70	583033.30	5317619.58	5.860	Basalt, same as previous, minor pyrite and chlorite. A few minor 1cm barren quartz veins dipping west.
D150795	CH1-D4-QV	0.00	1.00	583228.17	5317693.47	0.007	Quartz vein, 0.0-0.8m milky white with disseminated py in places, dip near vertical, striking 140° south. Chlorite as disseminated clots throughout, randomly (black. Greenish sharp contact with basalt at 0.8m. Basalt is very fine grained with <0.5% disseminated pyrite + quartz stringers + is strongly magnetic.
D150796	CH2-D4-QV	0.00	1.20	583214.21	5317702.56	0.001	Flat lying quartz vein, 5cm thick at 0.0m and grades into basalt. Quartz vein is vuggy with quartz crystals that are milky white with minor chlorite in contact with basalt no pyrite. 0.05-0.4m basalt, minor iron carbonate alteration + 1%disseminated pyrite, non-magnetic with 0.5mm quartz veins. At 0.4-0.7m quartz vein with 10% pyrite in contact with basalt as blebs to 0.5cm. Basalt is magnetic with chlorite + disseminated pyrite.
D150601	CH1-E	0.00	1.00	582288.57	5317906.75	0.760	Basalt, iron carbonate alteration to 1.5-2.0m weathering rind depth. Several quarts veins at 0.4-0.6m striking 144° south, dipping 50° southwest. Quartz vein is cloudy white, 2cm wide. Py mineralization to 10% shouldering quartz veins to 10cm wide otherwise pyrite disseminated from 1% to 10% over silicified intervals from cm's to 10's of cm which are banded and discontinuous throughout and in same strike direction as the quartz veining. Quartz vein stops abruptly at basalt contact where iron carbonate alteration also stops. Interval is non-magnetic..
D150602	CH1-E	1.00	2.00	582287.70	5317906.25	0.941	Basalt, iron carbonate alteration. 10% pyrite over silicified intervals from cm to 10's of cm's which are banded and discontinuous throughout striking in same direction as quartz veining. Basically same as previous + pyrite crystals to 0.5cm in size.
D150603	CH2-E	0.00	1.00	582289.56	5317905.77	0.023	Basalt, iron carbonate alteration, same as previous. Iron (rust) on fractures, strongly magnetic, a few mm thick quartz veins with py otherwise pyrite at <0.1%. Minor hematite alteration + calcite alteration.
D150604	CH2-E	1.00	2.00	582288.68	5317905.30	0.117	Basalt, magnetic attraction until 2.5m contact to iron carbonate alteration and becomes non-magnetic. Silica as numerous mm thick vertical veinlets with py to 2% in veins. Minor hematite alteration in veinlets.
D150605	CH2-E	2.00	3.00	582287.79	5317904.83	0.452	Basalt, iron carbonate alteration + silicification as alteration + book working of quartz veins + hematite alteration and up to 10% py associated with quartz veins. Interval is non-magnetic.
D150606	CH2-E	3.00	4.00	582286.91	5317904.36	1.145	Basalt, iron carbonate alteration, non-magnetic, as previous sample cut.
D150607	CH2-E	4.00	5.00	582286.03	5317903.89	0.707	Basalt, same as previous + pyrite crystals to 0.5cm in size. Minor mm wide calcite veins throughout + mm wide quartz veinlets.
D150608	CH2-E	5.00	6.00	582285.14	5317903.42	0.596	Basalt with iron carbonate alteration + chlorite alteration + silica alteration including silica as quartz veining + silica flooding. Py from 1% to 10% in places.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150609	CH2-E	6.00	7.00	582284.26	5317902.95	0.465	Diabase, as previous with narrow net-textured quartz veins at 1mm to 0.5cm wide pyrite 1% to 10% in places + minor chlorite alteration.
D150611	CH2-E	7.00	8.00	582283.38	5317902.48	0.495	Basalt, iron carbonate alteration and significant silica flooding and silica alteration. 1% to 45% pyrite disseminated and fine grained throughout. + best on contact with silica. Some iron (siderite) smearing l quartz veins + minor hematite alteration.
D150612	CH2-E	8.00	9.00	582282.49	5317902.01	0.267	Basalt + silica. 70% silica to 30% basalt as fragments (iron carbonate alteration on basalt fragments). Silica is milky white to translucent. Pyrite is limited to the basalt. Same as previous.
D150613	CH2-E	9.00	10.00	582281.61	5317901.54	0.567	Basalt + silica, same as previous to 9.8m quartz veining is dipping 20° to the east. At 9.8m quartz vein ends and iron carbonate alteration in basalt starts and alteration between bedding occurs stronger. Minor crystal growths of tourmaline in quartz vein. Bedding is very fine and foliated in places. Strong silicification.
D150614	CH2-E	10.00	11.00	582280.73	5317901.07	1.350	Basalt, iron carbonate alteration. 10.0-10.5m thinly banded bedding (tuffaceous?) 34° east dip with 1% py disseminated. 10.5-11.0m becomes more massive and same pyrite disseminated + several quartz veins + associated py to 3%. Quartz veins are milky white + basalt fragments within the quartz vein. Silica alteration.
D150615	CH2-E	11.00	12.00	582279.85	5317900.60	1.050	Basalt and quartz vein. Iron carbonate alteration in basalt and basalt fragments occur in the cloudy white quartz flooding with >2% pyrite in places. Same as previous.
D150616	CH3-E	0.00	1.00	582293.57	5317900.75	0.106	Basalt, iron carbonate alteration + minor calcite alteration. Iron (rust) staining on fractures and quartz veining as fracture filling + >2% pyrite associated with quartz veining on rims averages 1% pyrite disseminated throughout. Basalt is weakly magnetic.
D150617	CH3-E	1.00	2.00	582292.70	5317900.25	0.484	Basalt, iron carbonate alteration + a few narrow quartz veins. Same as previous.
D150618	CH3-E	2.00	3.00	582291.83	5317899.75	0.313	Basalt, iron carbonate alteration + quartz vein at 2.6m. Otherwise same as previous.
D150619	CH3-E	3.00	4.00	582290.97	5317899.25	0.877	Basalt, iron carbonate alteration. Weakly magnetic. Otherwise same as previous.
D150621	CH4-E	0.00	1.00	582284.59	5317902.71	0.434	Basalt, iron carbonate alteration with 1-3cm weathering depth. Numerous cm wide milky to translucent quartz veins striking approximately 150° south, dipping direction not conclusive due to chaotic directions but mainly vertical to 80° west + silica flooding + brown (siderite) in quartz vein + 0.5 to 35% pyrite throughout depending on veining and quartz content.
D150622	CH4-E	1.00	2.00	582283.77	5317902.14	1.050	Same as previous.
D150623	CH4-E	2.00	3.00	582282.95	5317901.57	1.560	Same as previous.
D150624	CH4-E	3.00	4.00	582282.13	5317900.99	0.811	Same as previous excepting quartz-basalt breccia over 0.5m from 3.0-3.5m and 3.6-3.7m intervals.
D150625	CH4-E	4.00	5.00	582281.31	5317900.42	0.527	Same as previous excepting quartz flooding over 30cm from 4.3-4.6m interval.
D150626	CH4-E	5.00	6.00	582280.49	5317899.85	0.735	Same as previous.
D150627	CH4-E	6.00	7.00	582279.68	5317899.27	12.95 *	Same as previous excepting significant quartz flooding + veins + veinlets (marling) throughout cut interval + chlorite as blebs within the stringers.
D150628	CH4-E	7.00	8.00	582278.86	5317898.70	1.240	Same as previous with much less quartz veining.
D150629	CH4-E	8.00	9.00	582278.04	5317898.12	0.426	Same as previous with much less quartz veining.
D150631	CH4-E	9.00	10.00	582277.22	5317897.55	1.015	Same as previous excepting quartz flooding and breccia from 9.3-9.5m interval.
D150632	CH4-E	10.00	11.00	582276.40	5317896.98	0.011	Same as previous excepting weakly magnetic from 10.5-11.0m interval + calcite veinlets and minor calcite alteration.
D150633	CH4-E	11.00	12.00	582275.58	5317896.40	0.227	Same as D150629. Weakly magnetic from 11.0-11.2m interval then stronger iron carbonate alteration with pyrite to 3% in places however is spotty.
D150634	CH4-E	12.00	13.00	582274.76	5317895.83	0.137	Same as previous but much less disseminated pyrite <0.5% + strong calcite alteration throughout and several 90° dipping calcite stringers 3mm in width.
D150635	CH4-E	13.00	14.00	582273.94	5317895.26	0.063	Same as previous until 13.5m where iron carbonate ends and basalt becomes magnetic with strong calcite Alteration.
D150636	CH4-E	14.00	15.00	582273.12	5317894.68	0.179	Same as previous. NOTE: sample taken on north side of historical shaft (2mD x 3mL x 3mW).
D150637	CH5-E	0.00	1.00	582272.51	5317886.88	0.356	Basalt with minor iron carbonate alteration. Weakly magnetic. Flat lying quartz vein 0.5-0.8m is 1cm thick with pyrite on bottom to 1cm penetration of chill margin then 3% pyrite, otherwise only minor pyrite <0.1% throughout.
D150638	CH5-E	1.00	2.00	582271.54	5317886.64	0.294	Basalt, same as previous excepting stronger iron carbonate alteration from 1.6-2.0m. Series of 90° dipping quartz veins at 1.6-1.65m, 1.75-1.8m, 1.85-1.5m and 1.95-1.97m intervals. Silicification and a little potassic alteration in quartz vein + pyrite intervals throughout this cut interval to 10% in places as disseminated pyrite.
D150639	CH6-E	0.00	1.00	582283.57	5317894.75	0.437	Basalt. Iron carbonate alteration with occasional quartz veining with near vertical dips + are striking generally at 180° south. Silica flooding zone with visible contacts of unaltered basalt within altered basalts which is non-magnetic. Pyrite as disseminated to 10% is found on quartz vein contacts. Quartz veins are milky white and not mineralized.
D150641	CH6-E	1.00	2.00	582282.70	5317894.25	0.351	Same as previous.
D150642	CH6-E	2.00	3.00	582281.83	5317893.75	0.546	Same as previous.
D150643	CH6-E	3.00	4.00	582280.97	5317893.25	0.287	Same as previous from 3.0-3.5 + includes interval of unaltered basalt with minor disseminated pyrite from 3.5-4.0m. Basalt is weakly magnetic.
D150644	CH6-E	4.00	5.00	582280.10	5317892.75	0.030	Same as previous but medium grained in places (basalt) and altered in places with 5% disseminated pyrite and chlorite as crystals. Weakly magnetic. NOTE: Sample was flooded and pumped out several times.
D150645	CH6-E	5.00	6.00	582279.24	5317892.25	0.290	Same as previous with some quartz veins flat lying. Basalt is weakly magnetic. NOTE: Sample is submerged/flooded, required pumping out to cut interval.
D150646	CH6-E	6.00	7.00	582278.37	5317891.75	0.648	Basalt. Sample taken under water and might have minor contamination from sand and silt (only 70% recovery). From 6.8-7.0 up the rock face basalt is weakly magnetic and unaltered. Basalt fine grained, 3% disseminated pyrite, black with calcite as alteration + mm wide veinlets. A quartz vein continues from previous sample and is well mineralized on contact with altered basalt to 25% disseminated pyrite.
D150647	CH6-E	7.00	8.00	582277.50	5317891.25	0.011	Basalt, mainly unaltered interval and is strongly magnetic with minor disseminated pyrite and calcite alteration.
D150648	CH6-E	8.00	9.00	582276.64	5317890.75	0.549	Basalt, mainly unaltered with minor calcite alteration. Iron carbonate alteration starts at 8.4m. Quartz silica flooding with mafic fragments at 8.7-9.0m and up to 10% py disseminated in interval.
D150649	CH6-E	9.00	10.00	582275.77	5317890.25	1.155	Basalt, iron carbonate alteration. Non-magnetic, several 0.5cm wide quartz veins with chaotic dips associated with 10% pyrite veining book works striking approximately 160° south and ends abruptly in contact with unaltered basalt.
D150651	CH6-E	10.00	11.00	582274.91	5317889.75	0.639	Basalt and quartz veins, same as previous.
D150652	CH6-E	11.00	12.00	582274.04	5317889.25	1.360	Basalt with strong iron carbonate alteration, same as previous.
D150653	CH6-E	12.00	13.00	582273.17	5317888.75	1.025	Basalt, same as previous with significant quartz as flooding and bands of chlorite associated in zone as cm sized blebs.
D150654	CH6-E	13.00	14.00	582272.31	5317888.25	0.727	Basalt, same as previous to 13.7m. Then changes to calcite alteration to 14.0m. Same pyrite mineralization throughout at 3%. Basalt is non-magnetic and black.
D150655	CH6-E	14.00	15.00	582271.44	5317887.75	0.653	Same as previous, 3% py in calcite altered basalt with a few calcite-quartz veins. Non-magnetic and black.
D150656	CH6-E	15.00	16.00	582270.58	5317887.25	1.345	Basalt same as previous to 15.5m then iron carbonate alteration is visible and minor silica alteration to 11.0m + up to 10% pyrite (possibly a magnesium tholeiitic basalt?)
D150657	CH6-E	16.00	17.00	582269.71	5317886.75	0.710	Same as previous, iron carbonate alteration + quartz veining and associated disseminated pyrite. Flat lying quartz vein from 16.5-17.0m and is 4cm thick, not mineralized.
D150658	CH6-E	17.00	18.00	582268.84	5317886.25	1.210	Basalt, same as previous. Quartz veining at 17.6-17.65m, silicious zone with 10% pyrite in zone + shouldering quartz vein to 10cm on upper and lower contacts.
D150659	CH7-E	0.00	0.80	582283.70	5317872.73	0.015	Diabase with iron carbonate alteration + calcite alteration and 1% pyrite throughout. Strongly magnetic.
D150661	CH7-E	0.80	1.60	582283.11	5317872.20	0.022	Same as previous.
D150662	CH7-E	1.60	2.40	582282.51	5317871.66	0.004	Same as previous with 0.5% pyrite as disseminated + stringers and calcite alteration.
D150663	CH8-E	0.00	0.40	582281.83	5317875.89	0.983	Basalt. Quartz vein at 0.4m dipping west, same as previous up to 5% py 2cm on either side of quartz vein. Interval is magnetic in places. Quartz vein dips east and strikes 120° east with a dip of 50°. Basalt has iron carbonate alteration.
D150664	CH8-E	0.40	1.10	582281.36	5317875.60	0.871	Basalt, with iron carbonate alteration. Quartz vein continues with same strike and dip as previous 120° east dips 50° east. Silica alteration + pyrite to 20% near the veins.
D150665	CH8-E	1.10	2.10	582280.64	5317875.15	0.829	Same as previous excepting iron carbonate alteration ends at 1.5m where basalt becomes highly friable and unconsolidated with no visible sulfides after 1.5m.
D150666	CH9-E	0.00	1.00	582316.54	5317857.81	1.420	Basalt with strong chlorite alteration in basalt as laminates and as crystals in quartz vein. Possible contact of different flows (weak localized unconformity) between tholeiitic basalt and andesite. This sample cut is the same horizon where massive chalcopyrite veining occurs to the east in quartz veining intruding unconformity. NOTE: Possible tellurides. Chalcopyrite crystals in quartz vein. Quartz vein dip is 90° striking at 190° south. Pyrite as disseminated blebs on quartz vein contacts.
D150667	CH9-E	1.00	2.00	582315.61	5317857.44	0.112	Basalt, same as previous + calcite alteration + iron carbonate alteration. Weakly magnetic. Calcite is laminated between quartz veins 0.5cm wide. Py is disseminated to 30%.
D150668	CH9-E	2.00	3.00	582314.68	5317857.06	0.775	Basalt + quartz + strong chlorite alteration as fragments in the quartz vein. Quartz vein is flat lying to 90° dip same as Sample D1500666.
D150669	CH9-E	3.00	4.00	582313.75	5317856.69	2.500	Basalt, same as D150666 + significant chlorite alteration and minor iron carbonate alteration and good calcite alteration and as mm wide lenses.
D150671	CH10-E	0.00	0.80	582315.61	5317846.93	0.307	Basalt with minor iron carbonate alteration. Strongly friable high strain zone, quartz vein at 0.4m and is 5cm wide dip 90°. 2nd quartz vein, same strike, dip and width at 0.8m. 1% disseminated py + in mm wide lenses. Blebby pyrite shouldering quartz veins to 10% and cubic. Basalt is strongly magnetic.
D150672	CH10-E	0.80	1.80	582314.72	5317846.77	0.007	Basalt, weak shear, significant calcite as stringers chaotically throughout. Minor iron carbonate alteration. No quartz veins and is strongly magnetic.
D150673	CH10-E	1.80	2.70	582313.78	5317846.61	0.389	Basalt, same as previous + a few narrow quartz veins 0.5cm wide. Pyrite to 3% in places. Strongly magnetic with iron carbonate alteration.
D150674	CH10-E	2.70	3.50	582312.95	5317846.46	0.560	Basalt with quartz veins. Quartz veins have chlorite clots. Chlorite is the dominant alteration followed by calcite and quartz. Pyrite to 50% near quartz veins. Quartz vein at 2.7m dip 90°, 3.4m (4cm wide) 90° dip, and 3.5m (4cm wide) 90° dip. Same as D150666.
D150675	CH11-E	0.00	0.80	582321.67	5317845.78	0.728	Basalt, iron carbonate alteration + minor calcite alteration. 5-255 disseminated py in places becoming courser neat the quartz veining. Quartz veining from 0.5-0.8m. Veins dip 90° striking 160° south. Basalt is non-magnetic.
D150676	CH11-E	0.80	1.70	582320.96	5317845.30	0.620	Basalt, same as previous to 1.5m. Less quartz veins after 1.5m.

Sample ID	Channel ID	From (m)	To (m)	Easting[2]	Northing[2]	Au (g/t)	Description
D150677	CH11-E	1.70	2.80	582320.13	5317844.74	0.673	Basalt, iron carbonate alteration. Strong calcite alteration. Py disseminated to 1% throughout except at 2.8m where iron carbonate alteration ends.
D150678	CH12-E	0.00	0.90	582326.61	5317846.78	1.810	Basalt, iron carbonate alteration. Flat lying quartz vein 0.0-0.8m. Thinly laminates of alteration being chlorite and calcite throughout. Py to 5% in places 10% at quartz vein.
D150679	CH12-E	0.90	1.80	582325.83	5317846.33	1.300	Basalt, iron carbonate alteration. Same as previous without quartz veining.
D150681	CH12-E	1.80	2.70	582325.05	5317845.88	3.57 *	Basalt, same as D150678 + quartz veins at 2.5M, 4cm wide with chlorite clots up to 1.5cm. Well developed pyrite crystals on the quartz vein contacts and pyrite to 25% in places otherwise is disseminated throughout. Basalt is non-magnetic with minor calcite alteration in places (spotty).
D150682	CH12-E	2.70	3.80	582324.19	5317845.38	1.405	Basalt with iron carbonate alteration. Same as previous with less quartz veining.
C169351	CH13-E	0.00	1.00	582292.83	5317867.53	1.445	10% chalcopyrite and 2% py in 1 meter channel sample @ 200 Az in a silicified carbonate schist
C169352	CH13-E	1.00	2.00	582292.49	5317866.59	1.730	10% chalcopyrite and 2% py in 1 meter channel sample @ 200 Az in a silicified carbonate schist
D150797	CH1-QV	0.00	1.00	582914.29	5317718.40	0.005	Quartz vein, sugary crystal texture. Vertical, striking 154° south. Chlorite in fractures. Quartz is sugary with minor mineralization in basalt shouldering the quart vein as disseminated blebby pyrite to 1%. Contacts are sharp and unaltered.

1: ID of channel from which the sample was taken

2: UTM NAD83, Zone 17

**: Screen fire assay - Total weight-averaged Au content*

Appendix 6

Assay 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: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 14-SEP-2021
Account: NHSYFR

CERTIFICATE SD21207451

Project: Miller Gold Project

This report is for 24 samples of Rock submitted to our lab in Sudbury, ON, Canada on 9-AUG-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK2	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
ME-MS61	48 element four acid 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, General Manager, North Vancouver

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CERTIFICATE OF ANALYSIS SD21207451

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	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	0.001	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D150001		3.59	0.004	7.07	0.9	190	0.67	0.23	6.20	0.17	13.85	63.1	48	0.88	216	13.00
D150002		4.72	0.077	5.68	0.4	120	2.26	0.46	0.12	0.04	11.65	14.7	20	0.90	66.1	0.91
D150003		5.32	0.035	6.70	0.5	180	1.90	0.58	0.38	<0.02	17.55	13.9	20	0.96	57.6	1.20
D150004		5.64	0.049	6.04	0.6	110	2.29	0.46	0.16	0.03	11.90	2.2	19	1.80	11.3	0.97
D150005		4.50	0.032	6.24	0.9	140	2.21	0.35	0.14	0.02	12.50	4.9	20	1.71	22.7	1.01
D150006		2.53	0.029	5.95	0.8	80	1.95	0.33	0.13	<0.02	9.14	2.6	29	1.56	13.9	0.92
D150007		4.65	0.037	5.86	1.1	180	2.13	0.44	0.16	0.02	10.75	6.0	21	1.84	25.8	0.96
D150008		3.66	0.043	6.30	1.1	130	2.33	0.46	0.16	0.04	12.95	0.9	20	1.94	13.3	0.94
D150009		3.83	0.485	5.83	0.8	150	1.94	1.75	0.14	<0.02	20.9	1.2	22	0.64	11.2	0.94
D150010		0.06	1.450	6.90	36.6	830	2.54	2.25	2.46	0.15	48.8	16.8	58	8.46	>10000	5.94
D150011		1.79	0.056	6.43	0.6	420	2.07	0.53	0.18	<0.02	31.7	1.5	21	1.23	12.1	1.15
D150012		2.67	0.213	6.80	0.9	550	2.50	0.88	0.53	0.03	32.5	2.1	19	1.14	16.1	1.37
D150013		5.46	1.025	5.50	0.7	100	1.73	4.78	0.11	<0.02	8.50	0.7	23	1.23	15.1	0.88
D150014		6.17	0.052	5.89	0.7	170	2.11	0.65	0.13	0.02	15.15	0.9	23	0.87	7.8	0.95
D150015		2.56	0.038	6.96	0.7	510	2.12	0.31	0.33	0.02	30.5	1.8	22	1.32	9.5	1.22
D150016		5.52	0.014	7.04	0.9	290	2.06	0.27	0.17	<0.02	17.35	1.4	25	1.81	10.2	1.10
D150017		4.22	0.061	6.86	0.9	380	1.89	0.44	0.20	0.02	23.5	1.6	25	1.05	11.0	1.21
D150018		7.40	0.053	7.08	0.9	730	2.31	0.20	0.44	<0.02	35.7	2.6	24	1.30	8.8	1.38
D150019		5.07	1.220	5.97	0.9	260	1.75	0.74	0.17	<0.02	16.95	1.7	21	0.72	9.3	0.99
D150020		0.43	<0.001	0.09	<0.2	10	0.06	0.02	31.3	<0.02	0.95	1.1	3	<0.05	2.7	0.12
D150021		2.14	0.006	6.95	0.9	220	0.65	0.26	6.21	0.14	13.80	55.5	45	1.11	160.0	11.75
D150022		3.83	0.165	5.77	0.7	170	1.61	0.55	0.29	<0.02	18.20	2.4	23	0.44	19.4	1.23
D150023		5.91	0.116	6.59	0.7	220	1.95	0.70	0.29	<0.02	23.2	3.0	29	0.56	8.7	1.52
D150024		4.06	0.012	7.38	0.6	710	2.05	0.40	0.41	0.02	53.1	3.3	25	1.04	13.4	1.69

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

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NEW LISKEARD ON P0J 1P0

Finalized Date: 14-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21207451

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
D150001		24.9	0.11	2.0	0.110	0.39	4.8	18.7	2.44	2460	1.41	1.07	3.8	53.8	590	3.2
D150002		20.9	0.06	3.7	<0.005	2.29	6.6	1.0	0.03	86	0.83	4.02	4.2	5.0	30	17.8
D150003		22.0	0.08	3.3	<0.005	1.73	11.1	1.9	0.08	143	0.47	5.02	4.3	3.9	250	8.8
D150004		21.2	0.08	3.1	<0.005	2.94	7.1	1.2	0.04	107	0.97	3.77	5.1	1.8	30	13.4
D150005		20.5	0.09	2.9	0.006	2.95	7.8	1.0	0.04	103	0.73	3.63	4.5	2.0	30	11.5
D150006		19.80	0.09	2.7	<0.005	2.56	5.4	0.8	0.02	89	0.49	3.65	4.0	1.9	20	14.6
D150007		19.45	0.09	2.7	<0.005	2.91	6.6	1.6	0.05	109	0.45	3.64	4.3	1.9	50	12.8
D150008		20.5	0.10	2.8	0.007	2.71	8.2	1.4	0.04	101	1.03	3.99	4.4	2.8	40	15.1
D150009		20.7	0.10	2.7	0.009	1.01	15.4	1.8	0.05	80	1.34	5.12	3.6	3.1	80	8.3
D150010		17.65	0.18	2.2	0.250	3.18	24.7	27.1	1.39	498	486	2.00	14.2	45.0	920	59.9
D150011		21.4	0.10	3.1	0.011	2.67	22.6	3.4	0.15	127	0.83	4.26	5.7	4.0	170	9.7
D150012		21.1	0.12	3.7	0.010	2.39	20.8	4.5	0.19	182	1.29	4.28	5.6	4.0	230	15.1
D150013		18.65	0.10	2.4	<0.005	2.14	5.3	1.1	0.03	82	0.70	3.96	3.5	2.0	30	10.0
D150014		21.2	0.10	3.0	0.006	1.78	9.9	2.4	0.06	95	1.21	4.54	3.7	2.4	70	10.7
D150015		20.4	0.11	2.9	0.008	3.28	19.6	4.0	0.16	153	0.59	3.87	5.4	4.3	180	10.9
D150016		21.3	0.11	2.8	0.006	3.55	10.8	5.3	0.18	124	0.43	3.69	4.9	3.5	90	11.8
D150017		21.7	0.12	3.1	0.011	3.16	14.0	5.9	0.20	147	0.55	3.95	4.8	3.8	130	10.0
D150018		20.1	0.13	3.0	0.010	3.14	20.8	6.9	0.30	207	0.28	3.78	5.6	5.2	260	11.9
D150019		19.65	0.11	2.4	0.006	2.28	10.3	2.8	0.12	97	0.41	4.07	4.0	3.3	110	11.0
D150020		0.35	0.08	<0.1	<0.005	0.04	1.1	1.6	1.08	61	0.11	0.04	0.1	0.4	60	0.5
D150021		22.3	0.13	1.7	0.098	0.56	4.9	16.2	1.81	2460	1.64	1.49	3.8	41.9	550	3.7
D150022		17.55	0.08	2.4	0.007	1.23	10.3	2.3	0.12	122	0.44	4.19	3.2	5.5	140	7.2
D150023		20.1	0.09	2.7	0.008	1.49	13.9	3.1	0.16	140	0.80	4.79	4.4	4.8	230	7.3
D150024		20.1	0.14	3.2	0.013	2.75	31.6	6.6	0.38	211	0.39	4.22	6.4	6.9	370	10.6

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

ALS Canada Ltd.
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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 14-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21207451

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
D150001		22.8	0.004	0.85	0.43	44.5	1	9.6	141.5	0.23	0.16	0.37	1.120	0.12	0.1	395
D150002		83.9	<0.002	0.15	0.51	0.5	<1	15.9	48.7	0.22	0.17	13.90	0.029	0.44	3.3	4
D150003		59.9	<0.002	0.41	0.34	1.1	1	14.0	105.5	0.23	0.20	10.15	0.049	0.34	2.7	6
D150004		121.5	<0.002	0.05	0.46	0.4	<1	2.3	49.2	0.27	0.16	10.50	0.035	0.64	2.5	5
D150005		121.0	<0.002	0.09	0.33	0.4	1	4.9	50.4	0.21	0.10	10.35	0.032	0.64	2.4	4
D150006		96.0	<0.002	0.10	0.24	0.3	<1	2.6	39.5	0.21	0.13	9.97	0.024	0.53	2.3	3
D150007		108.0	<0.002	0.12	0.26	0.4	1	5.6	71.5	0.21	0.13	9.84	0.034	0.62	2.3	5
D150008		109.5	<0.002	0.09	0.96	0.4	<1	1.0	62.8	0.23	0.13	9.02	0.033	0.60	2.3	5
D150009		34.9	<0.002	0.29	0.16	0.6	<1	1.0	112.0	0.21	0.77	8.37	0.038	0.19	1.8	5
D150010		141.5	0.371	1.12	1.78	13.0	8	5.5	360	1.04	0.46	12.00	0.399	0.66	3.4	121
D150011		88.0	<0.002	0.15	0.19	1.3	1	0.9	121.5	0.33	0.20	8.89	0.077	0.47	2.3	13
D150012		82.6	<0.002	0.25	0.20	1.5	<1	0.8	240	0.31	0.36	11.20	0.084	0.47	3.0	15
D150013		68.1	<0.002	0.16	0.18	0.3	1	0.5	49.2	0.18	2.98	7.80	0.027	0.37	1.9	4
D150014		60.0	<0.002	0.16	0.16	0.5	<1	0.6	77.9	0.21	0.22	10.80	0.035	0.31	2.7	6
D150015		120.5	<0.002	0.13	0.16	1.4	1	0.9	152.0	0.29	0.14	8.67	0.076	0.65	2.0	14
D150016		131.0	<0.002	0.08	0.28	0.9	1	0.7	77.7	0.24	0.07	9.32	0.051	0.74	2.3	10
D150017		103.5	<0.002	0.13	0.38	1.2	<1	0.7	98.1	0.26	0.14	11.30	0.058	0.55	2.5	12
D150018		113.5	<0.002	0.09	0.19	1.8	<1	0.7	253	0.31	0.06	7.03	0.096	0.62	1.7	20
D150019		67.5	<0.002	0.25	0.21	0.8	1	0.5	96.1	0.22	0.35	7.92	0.049	0.36	2.1	9
D150020		1.1	<0.002	<0.01	0.14	0.2	1	<0.2	83.7	<0.05	<0.05	0.09	0.005	<0.02	0.2	1
D150021		25.5	0.005	0.96	0.21	41.6	1	1.1	144.0	0.22	0.21	0.39	1.050	0.15	0.1	352
D150022		33.7	<0.002	0.36	0.15	1.2	1	1.3	109.0	0.17	0.18	6.20	0.056	0.18	1.8	12
D150023		42.3	<0.002	0.47	0.21	1.3	1	0.6	136.5	0.23	0.27	6.72	0.071	0.24	1.9	14
D150024		89.1	<0.002	0.20	0.16	2.2	<1	1.2	248	0.35	0.14	5.63	0.123	0.48	1.6	23

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 14-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21207451

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Cu-OG62 Cu % 0.001	ME-MS61 Ag ppm 0.01	CRU-QC Pass2mm % 0.01	PUL-QC Pass106u % 0.01
D150001		1.0	29.6	162	79.7		0.16	90.1	95.6
D150002		1.1	1.3	11	87.6		0.14		
D150003		2.3	3.7	8	95.6		0.10		
D150004		1.3	1.3	8	76.5		0.07		
D150005		1.1	1.3	5	74.4		0.05		
D150006		1.6	1.1	4	67.5		0.06		
D150007		1.1	1.4	7	67.2		0.08		
D150008		1.1	1.3	9	69.9		0.05		
D150009		1.3	1.5	4	70.4		0.06		
D150010		3.0	19.8	101	80.2	1.090	4.31		
D150011		2.7	3.1	11	89.9		0.04		
D150012		3.2	3.7	21	110.5		0.07		
D150013		1.1	1.1	3	59.6		0.19		
D150014		1.1	1.5	8	71.9		0.05		
D150015		1.9	3.7	14	91.9		0.03		
D150016		1.2	2.2	13	74.2		0.07		
D150017		1.3	2.9	16	83.4		0.07		
D150018		2.1	4.7	24	100.5		0.03		
D150019		1.3	2.4	7	68.2		0.09		
D150020		0.1	1.9	3	1.4		<0.01		
D150021		0.9	27.6	147	54.8		0.08		
D150022		1.2	2.5	6	75.5		0.10		
D150023		2.1	3.4	8	93.8		0.09		
D150024		1.4	5.5	25	123.0		0.04		

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Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21207451

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-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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

Au-ICP22	Cu-OG62	ME-MS61	ME-OG62

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 11-SEP-2021
Account: NHSYFR

CERTIFICATE SD21210106

Project: Miller Gold Project

This report is for 34 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 11-AUG-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK2	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-MS61	48 element four acid 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, General Manager, North Vancouver

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To: NORTHSTAR GOLD CORP
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NEW LISKEARD ON P0J 1P0

Finalized Date: 11-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21210106

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	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	0.001	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D150025		2.13	0.028	6.68	0.7	380	1.62	0.67	0.44	<0.02	35.4	3.0	22	0.51	13.3	1.45
D150026		4.21	0.024	7.46	1.3	810	2.00	0.25	0.39	<0.02	58.6	2.9	26	1.44	15.6	1.56
D150027		1.47	4.39	7.14	0.8	750	1.90	1.60	0.37	<0.02	41.1	2.8	26	1.26	8.3	1.53
D150028		3.89	0.119	7.02	0.5	480	1.66	0.76	0.31	<0.02	41.0	4.5	25	0.62	7.4	1.65
D150029		3.58	0.134	6.88	0.4	420	1.78	0.59	0.35	<0.02	21.4	3.6	29	0.60	8.4	1.79
D150030		0.06	9.55	6.00	3090	330	1.42	224	0.25	12.00	44.7	7.3	42	2.13	9800	2.36
D150031		2.89	0.769	7.49	1.7	770	2.34	0.36	1.25	0.03	165.0	9.4	53	0.84	12.8	4.82
D150032		3.71	0.020	7.82	0.5	880	2.32	0.37	0.85	0.02	56.1	5.4	29	0.68	10.9	2.39
D150033		2.85	0.025	8.18	0.5	1350	2.56	0.41	1.07	<0.02	66.0	6.7	29	1.04	13.2	2.38
D150034		3.79	0.019	7.92	<0.2	1150	2.52	0.50	0.68	<0.02	40.0	6.8	27	0.67	24.2	2.30
D150035		3.83	0.012	8.20	0.6	950	2.77	0.30	0.95	<0.02	56.5	7.1	27	0.81	19.3	2.51
D150036		2.39	<0.001	7.84	0.2	380	2.30	0.06	0.49	<0.02	49.5	4.9	24	0.82	24.2	1.74
D150037		3.58	0.001	8.08	0.8	530	2.22	0.03	0.52	<0.02	51.7	5.0	26	0.76	40.8	1.74
D150038		3.35	0.003	7.53	0.4	450	2.16	0.13	0.56	<0.02	48.3	4.6	27	0.76	67.3	1.69
D150039		3.31	0.005	6.86	0.6	260	2.05	0.19	0.30	<0.02	36.1	3.0	22	0.69	35.6	1.23
D150040		0.46	<0.001	0.09	<0.2	20	0.06	0.03	33.6	<0.02	1.06	0.6	2	<0.05	2.3	0.10
D150041		3.72	0.001	7.29	0.8	370	2.05	0.09	0.46	<0.02	41.4	3.7	27	0.83	25.8	1.35
D150042		2.78	0.105	7.47	0.3	280	1.97	0.67	0.90	<0.02	40.3	5.3	34	0.60	25.6	1.77
D150043		2.52	0.011	7.77	0.2	160	1.89	0.16	0.47	<0.02	35.4	5.7	31	0.50	60.9	1.74
D150044		2.66	0.038	8.58	0.5	90	2.17	0.50	0.26	<0.02	22.8	4.6	19	0.31	244	2.02
D150045		2.96	0.189	11.55	0.3	120	2.55	1.46	0.29	<0.02	7.64	3.1	17	0.22	568	1.99
D150046		2.10	0.049	7.60	0.6	470	2.73	0.62	0.54	<0.02	38.8	5.3	24	0.61	16.8	1.82
D150047		2.62	0.068	7.31	0.8	450	2.66	0.82	0.63	<0.02	48.9	4.9	28	0.67	29.7	1.64
D150048		2.28	0.353	7.49	0.4	330	1.82	2.11	0.99	0.02	24.8	4.3	24	0.38	25.0	1.40
D150049		2.95	0.017	7.76	0.4	470	2.53	0.26	0.72	<0.02	54.8	6.6	29	0.63	17.0	2.18
D150050		0.06	9.03	5.67	12.4	350	1.02	0.09	4.65	0.29	24.0	11.2	20	4.33	64.3	3.30
D150051		2.68	0.630	7.04	1.0	380	2.17	1.38	1.10	0.02	61.6	6.2	28	0.49	7.1	2.41
D150052		2.59	0.044	7.56	0.3	310	2.23	0.69	0.76	0.02	41.6	5.0	22	0.46	9.1	1.74
D150053		2.16	0.006	7.97	0.5	580	2.51	0.23	0.84	<0.02	62.4	5.3	26	0.71	6.4	2.26
D150054		3.37	0.047	7.60	0.2	510	2.45	0.21	1.16	<0.02	79.7	6.0	27	0.67	6.1	2.47
D150055		3.13	0.165	7.37	0.8	480	2.41	0.25	1.00	<0.02	75.1	5.8	29	0.73	8.6	2.50
D150056		2.70	0.118	7.51	0.3	300	2.70	1.26	0.42	<0.02	64.5	6.0	24	0.49	24.3	1.86
D150057		3.36	0.041	7.17	0.7	240	2.28	0.71	0.31	<0.02	30.4	4.7	25	0.49	22.7	1.74
D150058		1.63	0.052	7.28	0.4	320	2.05	0.75	0.37	<0.02	22.2	4.6	23	0.52	34.5	1.51

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Finalized Date: 11-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21210106

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
D150025		18.55	0.10	2.3	0.009	1.94	20.2	2.2	0.10	144	0.75	4.43	3.9	4.9	220	7.1
D150026		21.3	0.15	3.2	0.012	3.36	35.9	6.4	0.33	200	0.55	3.94	6.4	7.2	320	10.1
D150027		19.80	0.12	2.9	0.010	3.23	22.0	5.1	0.29	176	0.54	3.97	6.0	5.5	320	9.5
D150028		19.50	0.16	2.8	0.009	2.31	22.5	3.7	0.18	146	1.19	4.65	5.6	6.6	380	7.6
D150029		17.75	0.10	3.0	0.006	2.12	9.8	2.4	0.14	155	0.88	4.42	4.8	5.8	310	8.0
D150030		22.8	0.17	2.1	3.81	1.98	20.3	28.2	0.15	78	4.71	0.82	8.3	23.4	540	670
D150031		23.0	0.23	7.5	0.036	2.25	67.5	21.8	1.42	446	0.46	3.65	22.6	20.4	1670	10.3
D150032		19.35	0.15	4.1	0.014	2.06	25.2	10.3	0.62	252	0.97	4.89	8.5	10.3	660	8.7
D150033		20.4	0.16	3.7	0.024	2.45	29.9	10.6	0.64	320	0.81	4.66	8.3	13.0	690	10.9
D150034		20.5	0.12	4.0	0.018	1.88	17.5	10.5	0.53	295	0.75	5.11	7.7	14.9	640	9.2
D150035		21.0	0.12	4.2	0.021	2.27	26.0	14.3	0.62	345	0.43	4.97	8.1	14.2	710	10.6
D150036		18.55	0.13	3.3	0.012	1.82	25.5	11.3	0.64	244	0.40	4.95	6.2	7.2	440	5.5
D150037		18.60	0.13	3.1	0.010	2.12	26.3	10.9	0.67	257	0.32	5.03	6.1	8.4	480	5.2
D150038		19.15	0.13	3.5	0.008	2.09	25.3	9.7	0.56	236	0.38	4.84	6.1	7.7	430	5.4
D150039		18.80	0.12	3.0	0.007	1.72	19.4	6.8	0.35	150	0.36	4.64	4.9	5.2	240	7.8
D150040		0.41	0.32	0.1	<0.005	0.02	1.2	0.2	0.80	68	0.05	0.06	0.1	2.1	60	0.5
D150041		17.75	0.25	2.8	0.007	2.19	22.3	7.0	0.45	196	0.33	4.62	5.1	9.6	330	6.6
D150042		19.05	0.21	3.1	0.009	1.21	19.5	12.0	0.75	237	0.64	5.12	6.6	13.1	460	4.7
D150043		20.2	0.21	3.5	0.009	0.78	17.2	10.8	0.65	210	0.42	5.60	6.9	20.0	440	4.4
D150044		23.7	0.19	3.2	0.015	0.23	10.0	11.7	0.70	163	0.76	6.32	5.6	5.9	470	4.5
D150045		27.5	0.13	3.3	0.017	0.15	3.2	3.4	0.29	85	14.70	7.25	4.6	4.2	660	5.6
D150046		21.9	0.18	3.8	0.008	0.87	19.0	4.9	0.25	151	0.93	5.66	6.1	8.2	500	6.8
D150047		20.7	0.19	3.7	0.011	1.54	24.5	4.9	0.26	157	0.90	5.16	6.3	13.3	470	8.0
D150048		21.9	0.16	3.7	0.010	1.42	10.7	2.9	0.16	186	0.33	5.70	5.2	9.3	560	10.7
D150049		20.6	0.16	3.6	0.012	1.59	25.7	9.7	0.67	226	0.51	5.18	7.7	9.0	590	7.3
D150050		11.70	0.15	1.9	0.039	1.84	10.7	46.0	1.19	885	5.38	1.44	2.4	10.8	680	16.8
D150051		18.45	0.19	3.4	0.015	1.29	28.4	9.1	0.63	253	7.60	4.61	7.9	8.7	660	7.1
D150052		19.75	0.17	3.0	0.009	0.97	20.3	4.8	0.29	173	1.46	5.59	5.4	6.4	500	6.9
D150053		19.90	0.17	3.8	0.015	1.92	29.0	10.5	0.61	246	0.19	4.90	8.1	8.7	660	7.9
D150054		20.1	0.20	4.0	0.018	1.88	38.1	12.6	0.76	267	0.37	4.54	9.8	9.9	740	7.9
D150055		20.6	0.19	4.1	0.015	1.88	35.8	12.5	0.69	289	0.26	4.47	8.9	10.4	720	6.9
D150056		20.4	0.17	3.6	0.013	0.93	34.9	8.9	0.45	208	0.68	5.47	5.5	9.2	530	6.5
D150057		19.80	0.14	3.3	0.010	0.75	15.0	5.7	0.32	146	1.76	5.49	4.9	8.0	490	6.6
D150058		19.10	0.12	3.0	0.011	1.10	9.8	5.2	0.30	163	1.50	5.20	3.9	11.6	360	8.5

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 11-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21210106

Sample Description / Method / Analyte / Units / LOD	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
D150025	50.6	<0.002	0.56	0.22	1.6	1	0.8	144.0	0.22	0.37	4.77	0.073	0.29	1.4	16
D150026	111.0	<0.002	0.04	0.16	2.1	1	1.1	232	0.34	0.23	7.31	0.118	0.60	1.4	25
D150027	98.3	<0.002	0.11	0.14	2.0	<1	0.6	203	0.34	1.09	5.44	0.113	0.55	1.2	25
D150028	59.5	<0.002	0.55	0.20	2.4	<1	0.9	174.5	0.30	0.39	4.34	0.118	0.32	1.5	26
D150029	54.4	<0.002	0.65	0.12	1.6	<1	0.9	131.0	0.26	0.27	6.67	0.088	0.36	2.3	20
D150030	63.2	<0.002	4.15	317	3.1	31	27.6	318	0.63	44.0	8.17	0.166	1.86	2.5	31
D150031	64.2	<0.002	0.30	0.53	8.4	<1	2.7	298	1.19	0.14	6.64	0.508	0.34	2.1	110
D150032	54.7	<0.002	0.32	0.19	3.6	<1	1.7	377	0.48	0.19	5.28	0.193	0.32	1.8	45
D150033	74.4	<0.002	0.24	0.19	3.8	<1	1.9	613	0.45	0.41	5.06	0.213	0.41	1.7	44
D150034	55.3	<0.002	0.47	0.16	4.0	1	3.0	383	0.43	0.16	5.22	0.179	0.30	1.9	46
D150035	62.2	<0.002	0.47	0.13	4.4	<1	2.6	473	0.44	0.13	5.08	0.195	0.36	1.8	53
D150036	53.8	<0.002	0.05	0.13	2.3	<1	1.0	300	0.33	<0.05	5.29	0.136	0.31	1.7	28
D150037	60.7	<0.002	0.04	0.10	2.4	<1	1.5	338	0.33	<0.05	4.63	0.154	0.33	1.6	30
D150038	62.4	<0.002	0.10	0.10	2.4	<1	1.3	251	0.32	<0.05	5.43	0.138	0.35	1.7	27
D150039	51.3	<0.002	0.09	0.09	1.4	<1	1.1	182.5	0.25	0.05	6.47	0.088	0.31	2.1	18
D150040	0.5	<0.002	<0.01	0.09	0.3	1	<0.2	86.4	<0.05	<0.05	0.09	0.005	<0.02	0.1	1
D150041	63.5	<0.002	0.03	0.09	1.8	<1	2.1	244	0.27	<0.05	5.12	0.106	0.36	1.6	22
D150042	39.2	<0.002	0.06	0.08	2.5	<1	2.2	293	0.35	0.39	4.58	0.141	0.22	1.2	29
D150043	25.7	<0.002	0.16	0.08	2.6	1	5.3	231	0.36	0.10	5.41	0.140	0.11	1.8	30
D150044	6.8	<0.002	0.29	0.09	2.6	1	0.8	173.0	0.30	0.14	5.84	0.109	0.04	1.3	23
D150045	2.2	0.002	0.75	0.07	1.7	1	0.8	163.5	0.27	0.47	5.32	0.096	<0.02	1.6	14
D150046	26.2	<0.002	0.77	0.08	2.7	1	1.0	216	0.32	0.19	7.02	0.113	0.15	2.3	29
D150047	46.0	<0.002	0.41	0.09	2.7	<1	1.6	223	0.33	0.38	7.40	0.118	0.25	2.4	30
D150048	38.2	<0.002	0.56	0.09	3.0	1	1.4	167.5	0.28	1.02	6.04	0.096	0.20	2.5	19
D150049	44.0	<0.002	0.38	0.08	3.4	<1	1.0	325	0.41	0.06	5.97	0.173	0.25	1.8	45
D150050	67.1	0.003	0.44	2.14	12.8	1	0.7	347	0.12	4.52	2.59	0.289	0.59	0.7	107
D150051	37.6	<0.002	0.62	0.10	3.7	<1	0.8	271	0.41	0.81	4.35	0.171	0.20	1.5	42
D150052	26.4	<0.002	0.78	0.07	2.4	<1	0.7	259	0.27	0.25	3.95	0.113	0.15	1.4	28
D150053	54.5	<0.002	0.28	0.08	3.4	<1	0.9	370	0.44	0.11	4.53	0.183	0.28	1.4	43
D150054	52.9	<0.002	0.23	0.09	4.1	<1	1.0	350	0.54	0.09	5.41	0.214	0.29	1.6	50
D150055	53.3	<0.002	0.23	0.09	4.0	<1	1.1	281	0.47	0.11	5.27	0.190	0.27	1.5	47
D150056	28.9	<0.002	0.61	0.10	2.5	<1	1.4	235	0.29	0.90	6.47	0.111	0.16	1.7	31
D150057	20.9	<0.002	0.48	0.08	2.1	<1	1.3	186.5	0.25	0.24	6.40	0.095	0.14	2.0	26
D150058	32.2	<0.002	0.51	0.10	1.9	1	2.7	188.5	0.21	0.24	5.89	0.081	0.17	2.0	22

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 11-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21210106

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	ME-MS61 Ag ppm 0.01	CRU-QC Pass2mm % 0.01	PUL-QC Pass106u % 0.01
D150025		4.6	3.9	7	82.6	0.07	90.2	99.6
D150026		0.7	6.1	20	106.0	0.03		98.6
D150027		0.8	5.3	18	104.0	0.04		
D150028		3.2	5.2	8	115.5	0.06		
D150029		3.3	4.5	9	98.1	0.11		
D150030		8.0	6.3	1780	58.6	50.2		
D150031		4.0	24.6	64	291	0.18		
D150032		2.3	8.7	30	151.5	0.04		
D150033		2.7	9.0	40	140.5	0.07		
D150034		2.3	8.3	31	142.0	0.05		
D150035		2.3	9.0	37	152.0	0.03		
D150036		1.1	5.0	32	110.0	0.02		
D150037		1.0	5.3	36	115.0	0.02		
D150038		1.1	5.7	30	118.0	0.03		
D150039		0.9	4.2	19	93.3	0.02		
D150040		<0.1	1.9	3	2.0	0.01		
D150041		0.8	4.5	29	91.4	0.01		
D150042		1.2	4.8	34	111.5	0.03		
D150043		2.2	5.4	29	120.0	0.04		
D150044		2.2	4.7	25	107.5	0.06		
D150045		2.9	5.2	9	111.0	0.20		
D150046		2.9	6.9	12	129.5	0.07		
D150047		3.5	7.1	12	125.0	0.08		
D150048		6.3	6.1	7	127.5	0.20		97.9
D150049		2.0	8.4	29	126.0	0.03		98.2
D150050		1.8	10.2	75	67.9	9.89		
D150051		3.9	8.2	30	126.0	0.06		
D150052		2.6	6.7	14	111.5	0.06		
D150053		1.7	8.8	32	139.5	0.02		
D150054		2.2	9.2	36	146.0	0.03		
D150055		2.1	9.2	31	148.0	0.16		
D150056		3.4	7.0	22	125.0	0.06		
D150057		2.4	5.6	16	113.0	0.10		
D150058		2.1	4.9	15	92.8	0.09		

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 11-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21210106

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-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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

Au-ICP22	ME-MS61

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
This copy reported on 1-OCT-2021
Account: NHSYFR

CERTIFICATE SD21238217

Project: Miller Gold Project

This report is for 153 samples of Rock submitted to our lab in Sudbury, ON, Canada on 7-SEP-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK2	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
PUL-QC	Pulverizing QC Test
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
ME-MS61	48 element four acid 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, General Manager, North Vancouver

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150101		3.36	0.002	0.12	7.64	1.1	330	1.30	0.34	4.93	0.12	20.9	54.2	39	1.84	142.0
D150102		1.12	0.001	<0.01	0.06	<0.2	20	0.06	0.01	35.8	0.02	0.91	1.8	1	<0.05	2.7
D150103		1.29	0.012	0.07	7.72	0.5	260	1.84	0.61	3.37	0.07	31.2	36.7	33	0.88	94.3
D150104		2.95	0.020	0.05	7.63	<0.2	370	2.09	0.77	0.57	0.05	44.2	4.2	20	0.52	17.5
D150105		6.72	0.039	0.03	7.68	0.8	700	2.30	0.66	0.40	0.02	43.1	3.8	19	0.76	8.0
D150106		1.83	0.318	0.13	5.99	0.3	210	1.97	1.51	0.16	<0.02	10.55	1.2	15	0.34	6.6
D150107		3.70	0.049	0.06	6.22	<0.2	300	1.77	0.65	0.15	<0.02	10.40	1.1	20	0.73	11.8
D150108		3.03	0.026	0.04	7.01	0.5	700	1.79	0.49	0.42	0.02	33.6	2.3	23	0.90	11.2
D150109		4.02	0.063	0.05	7.50	0.8	720	1.94	0.34	0.51	0.03	40.1	2.5	20	0.94	13.8
D150110		4.59	0.300	0.05	7.24	<0.2	560	2.07	3.49	0.54	0.02	32.4	2.7	16	0.60	11.6
D150111		5.94	0.595	0.07	6.76	0.7	490	1.94	1.23	0.28	<0.02	25.9	2.5	20	0.87	9.3
D150112		0.07	0.168	1.47	8.01	54.0	1180	3.04	1.78	1.84	0.72	77.4	8.4	48	11.40	6380
D150113		3.65	0.041	0.04	6.41	1.0	340	2.17	0.68	0.23	<0.02	24.6	2.2	20	0.65	15.2
D150114		6.64	0.009	0.05	7.50	0.7	930	2.61	0.55	0.77	<0.02	53.2	4.3	27	1.23	9.9
D150115		2.10	7.15	0.78	7.81	0.6	780	2.64	3.55	0.51	<0.02	53.4	7.4	25	0.98	16.1
D150116		1.19	0.526	0.07	6.20	0.6	330	2.37	38.2	0.18	<0.02	11.70	3.5	13	2.40	21.2
D150117		3.85	0.053	0.03	7.48	1.0	880	2.64	0.73	0.67	<0.02	60.5	6.0	24	1.23	13.9
D150118		3.81	0.078	0.03	7.25	1.1	440	2.53	0.87	0.42	0.02	33.3	4.0	17	1.48	11.8
D150119		4.45	4.35	5.03	6.38	0.8	270	2.12	12.60	0.33	0.02	35.2	4.2	20	0.51	7.7
D150120		3.35	0.368	0.03	7.79	0.9	310	2.10	0.23	0.42	<0.02	43.4	6.6	21	0.68	542
D150121		2.49	0.037	0.04	5.88	0.9	180	1.61	0.46	0.13	<0.02	10.55	1.1	16	1.25	19.0
D150122		1.05	0.001	<0.01	1.96	1.2	20	0.19	0.02	30.3	<0.02	2.14	0.8	3	0.18	1.6
D150123		2.01	0.025	0.04	6.30	0.6	220	1.52	0.45	0.30	0.02	26.2	1.7	14	0.90	11.3
D150124		1.93	0.003	0.03	7.90	0.8	1080	2.37	0.13	1.33	0.03	53.3	4.6	23	2.24	10.2
D150125		1.82	0.022	0.05	6.84	0.8	410	2.33	0.33	0.47	0.03	24.3	1.5	17	1.09	8.1
D150126		2.10	0.270	0.45	6.54	0.6	260	2.05	0.84	0.25	0.02	19.30	0.9	15	1.13	9.9
D150127		5.00	0.034	1.24	5.79	0.5	80	2.19	0.52	0.13	<0.02	11.25	1.1	20	1.02	14.1
D150128		2.91	0.007	0.02	7.06	0.2	350	2.24	0.21	0.51	<0.02	51.5	6.6	25	1.17	17.2
D150129		3.38	0.009	0.03	7.59	0.7	890	2.36	0.18	1.09	0.02	50.8	5.1	27	1.39	11.1
D150130		3.50	0.004	0.01	7.80	0.6	1030	2.29	0.11	1.01	0.02	54.4	4.3	24	1.63	10.2
D150131		3.92	0.008	0.02	7.77	1.0	1000	2.45	0.18	0.74	<0.02	53.7	4.2	26	1.46	6.9
D150132		0.07	9.39	9.59	5.63	12.4	360	1.00	0.07	4.65	0.27	24.0	11.0	20	4.19	62.9
D150133		4.55	0.046	0.05	7.25	0.5	900	1.86	0.48	0.52	0.02	43.7	3.6	21	1.20	6.7
D150134		6.12	0.024	0.07	7.08	0.7	960	2.05	0.38	0.72	0.02	50.0	3.4	21	1.39	6.8
D150135		0.72	0.358	0.08	7.31	0.8	580	2.53	1.95	0.53	<0.02	45.4	4.0	19	1.04	13.7
D150136		5.32	0.095	0.04	6.42	<0.2	370	2.18	0.58	0.39	<0.02	27.1	2.4	18	1.64	7.4
D150137		4.14	0.030	0.02	6.56	0.5	300	2.18	0.33	0.22	<0.02	21.9	2.7	18	1.46	4.9
D150138		2.04	0.015	0.04	6.31	0.9	180	2.18	0.27	0.20	<0.02	12.45	3.2	18	1.86	7.9
D150139		2.05	0.021	0.06	6.37	0.5	180	2.46	0.31	0.21	<0.02	19.50	3.1	19	1.87	15.6
D150140		0.98	0.013	0.05	6.71	0.6	400	3.27	0.48	0.45	<0.02	26.6	1.7	14	2.53	8.9

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

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Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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
D150101		11.65	24.3	<0.05	2.2	0.099	0.72	7.8	18.2	2.07	2300	0.96	2.53	4.1	36.8	650
D150102		0.12	0.27	<0.05	<0.1	<0.005	0.01	1.1	1.0	0.90	82	<0.05	0.03	0.1	<0.2	70
D150103		8.99	23.0	<0.05	2.8	0.073	0.82	12.5	13.0	1.32	1380	1.24	3.90	5.0	29.1	640
D150104		1.76	20.7	0.06	2.9	0.013	1.43	22.4	6.4	0.32	205	4.13	5.44	4.9	4.9	390
D150105		1.62	21.1	0.11	2.9	0.010	2.10	20.3	7.7	0.37	188	1.23	5.09	6.1	4.9	440
D150106		0.77	19.15	0.12	2.1	0.006	1.21	5.7	1.9	0.08	64	1.36	5.11	2.9	1.5	110
D150107		0.80	19.40	0.16	1.8	0.008	2.41	6.2	1.7	0.06	71	1.80	4.63	2.6	1.9	50
D150108		1.17	19.05	0.16	2.7	0.011	3.11	18.9	4.5	0.23	142	0.14	4.17	5.0	4.2	220
D150109		1.29	20.5	0.18	2.8	0.014	3.37	24.4	5.4	0.28	174	0.13	4.23	5.7	3.5	270
D150110		1.33	20.3	0.15	2.4	0.009	1.80	17.9	4.7	0.24	176	0.41	5.02	4.9	3.6	270
D150111		1.21	19.05	0.18	2.2	0.009	2.49	12.8	5.6	0.25	135	0.23	4.29	4.7	3.4	210
D150112		3.28	22.2	0.21	2.1	0.161	3.45	37.3	55.0	0.73	370	124.5	2.28	12.6	17.6	910
D150113		1.20	20.1	0.20	2.5	0.005	1.83	12.4	3.4	0.17	130	0.25	4.47	4.5	3.2	170
D150114		1.88	20.7	0.19	2.9	0.013	2.64	27.2	7.4	0.46	262	0.15	4.39	5.9	6.2	470
D150115		1.90	23.2	0.18	3.4	0.012	2.29	27.9	10.0	0.51	206	0.27	5.08	6.5	7.8	520
D150116		0.92	20.2	0.16	2.1	<0.005	2.52	6.8	2.8	0.10	96	0.32	4.30	3.6	3.7	90
D150117		1.94	21.0	0.22	3.4	0.014	2.61	31.0	9.1	0.51	250	1.91	4.40	6.8	7.8	540
D150118		1.46	21.1	0.19	3.0	0.009	2.36	16.1	6.4	0.34	170	4.32	4.54	5.8	4.5	310
D150119		1.59	16.75	<0.05	2.6	0.010	0.94	17.0	5.2	0.33	152	6.88	4.73	4.8	6.0	470
D150120		2.28	18.15	<0.05	3.7	0.015	1.20	22.2	18.5	1.08	267	0.19	5.21	7.1	8.9	560
D150121		0.76	16.75	0.05	2.1	0.006	2.95	7.2	2.0	0.09	72	0.12	3.65	3.0	1.3	40
D150122		0.19	3.64	0.09	0.1	<0.005	0.63	1.8	5.8	0.68	82	<0.05	1.21	0.2	0.4	60
D150123		0.90	18.35	0.14	3.0	0.005	2.89	18.7	3.6	0.20	96	0.08	3.68	4.3	2.4	140
D150124		1.86	20.5	0.22	3.6	0.018	2.96	30.2	8.2	0.54	287	0.12	4.08	6.6	7.3	570
D150125		0.95	19.75	0.17	3.2	0.007	3.14	17.8	2.8	0.16	132	0.10	3.83	4.5	2.4	170
D150126		0.84	19.60	0.18	3.0	0.008	3.25	13.5	2.0	0.09	83	0.13	3.64	4.3	1.6	100
D150127		0.78	19.60	0.12	2.9	<0.005	2.66	9.1	3.5	0.15	66	0.15	3.82	3.9	1.3	20
D150128		1.88	18.95	0.17	3.6	0.010	1.38	30.9	17.2	0.88	199	0.09	4.37	6.0	7.3	500
D150129		1.88	18.75	0.21	3.6	0.017	2.41	27.5	10.7	0.63	271	0.11	4.24	6.5	8.3	630
D150130		1.80	19.45	0.20	3.7	0.017	3.07	28.3	8.3	0.52	258	0.11	3.95	7.0	7.3	540
D150131		1.77	19.90	0.20	3.8	0.017	3.04	27.8	8.5	0.56	244	0.13	4.08	6.5	7.7	550
D150132		3.29	11.25	0.12	1.8	0.037	1.82	10.8	43.7	1.19	867	5.26	1.43	2.3	10.8	670
D150133		1.47	17.40	0.22	2.8	0.012	3.40	23.7	5.4	0.37	167	0.21	3.90	5.9	5.6	360
D150134		1.50	17.50	0.17	3.3	0.014	3.18	26.3	5.9	0.37	190	0.59	3.75	6.4	5.4	390
D150135		1.62	19.65	0.15	3.4	0.013	1.90	26.1	6.1	0.34	168	0.71	4.74	6.0	6.2	410
D150136		1.10	18.05	0.15	3.1	0.010	2.78	15.5	3.8	0.21	122	0.16	3.64	5.5	3.2	200
D150137		1.24	17.50	0.11	3.2	0.005	2.63	10.7	6.1	0.35	121	0.10	4.00	5.5	4.3	180
D150138		1.10	17.95	0.17	3.1	0.005	2.58	6.8	7.0	0.35	108	0.14	3.80	4.9	4.6	130
D150139		1.13	19.15	0.14	3.2	0.006	2.43	11.5	6.6	0.31	111	0.13	4.01	5.2	4.6	140
D150140		1.05	19.95	0.14	4.0	0.011	3.08	17.0	3.8	0.15	146	0.12	3.65	5.9	3.1	170

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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
D150101		4.7	32.1	0.003	0.56	0.10	38.4	1	2.0	211	0.25	0.21	1.16	0.995	0.21	0.4
D150102		0.5	0.3	<0.002	<0.01	0.05	0.3	1	<0.2	88.0	<0.05	<0.05	0.10	0.006	<0.02	0.1
D150103		9.5	25.7	<0.002	0.33	0.14	28.7	1	2.9	201	0.27	0.20	2.51	0.768	0.18	0.9
D150104		9.0	34.5	<0.002	0.68	0.06	2.1	1	0.7	219	0.26	0.17	4.63	0.104	0.23	1.5
D150105		9.3	60.1	<0.002	0.36	0.06	2.1	1	0.7	287	0.31	0.21	5.64	0.124	0.34	1.4
D150106		6.7	27.8	<0.002	0.23	<0.05	0.6	1	0.4	112.5	0.16	0.76	6.11	0.042	0.19	1.4
D150107		10.1	64.4	<0.002	0.16	0.06	0.4	1	0.6	99.1	0.14	0.12	5.56	0.036	0.37	1.5
D150108		12.2	86.9	<0.002	0.15	<0.05	1.2	1	0.7	195.5	0.25	0.07	6.55	0.086	0.53	1.9
D150109		12.3	92.5	<0.002	0.11	0.05	1.5	1	0.5	263	0.30	0.09	6.47	0.098	0.56	1.8
D150110		9.2	48.5	<0.002	0.29	0.05	1.5	1	0.6	282	0.26	1.79	4.78	0.090	0.28	1.4
D150111		8.7	75.0	<0.002	0.24	0.05	1.3	1	0.5	142.0	0.24	0.63	5.58	0.077	0.45	2.0
D150112		40.3	168.5	0.092	0.79	5.44	8.8	5	5.1	233	1.04	0.73	14.75	0.365	0.96	3.5
D150113		8.8	54.0	<0.002	0.27	0.05	1.0	1	0.5	136.5	0.23	0.24	7.89	0.063	0.31	2.0
D150114		12.7	80.9	<0.002	0.26	0.05	2.5	1	0.7	423	0.31	0.17	5.71	0.143	0.46	2.0
D150115		9.7	67.7	<0.002	0.40	0.06	2.6	1	2.1	309	0.34	2.74	6.66	0.145	0.39	1.9
D150116		12.0	84.7	<0.002	0.14	0.05	0.6	1	2.4	115.5	0.16	12.60	7.35	0.044	0.49	1.7
D150117		11.5	92.5	<0.002	0.17	0.06	2.8	1	1.8	397	0.36	0.64	6.53	0.162	0.49	1.8
D150118		11.0	84.9	<0.002	0.18	0.07	1.7	1	1.4	216	0.31	0.39	6.92	0.097	0.46	2.0
D150119		6.1	31.2	<0.002	0.48	0.05	1.9	1	0.9	181.0	0.24	8.18	4.25	0.098	0.16	1.4
D150120		4.7	41.4	<0.002	0.17	<0.05	3.1	1	0.8	236	0.38	0.15	5.79	0.176	0.23	1.7
D150121		9.6	92.9	<0.002	0.09	<0.05	0.4	<1	0.4	49.6	0.12	0.29	7.11	0.033	0.59	1.6
D150122		1.2	10.7	<0.002	<0.01	<0.05	0.2	1	0.2	82.6	<0.05	<0.05	0.12	<0.005	0.12	0.1
D150123		11.2	87.9	<0.002	0.09	<0.05	0.8	<1	0.5	102.5	0.20	0.23	9.17	0.061	0.54	2.7
D150124		17.7	114.0	<0.002	0.02	<0.05	2.9	<1	0.9	647	0.35	<0.05	6.64	0.185	0.70	2.2
D150125		18.8	99.5	<0.002	0.05	0.05	0.9	<1	0.5	229	0.21	0.12	10.20	0.070	0.67	2.9
D150126		14.5	101.5	<0.002	0.10	<0.05	0.6	1	0.7	108.5	0.19	0.36	10.95	0.050	0.60	2.9
D150127		13.8	100.5	<0.002	0.10	0.05	0.5	<1	0.6	36.0	0.17	0.19	10.70	0.027	0.60	2.8
D150128		7.1	55.2	<0.002	0.10	0.05	2.5	<1	0.6	311	0.32	0.16	7.04	0.156	0.28	2.8
D150129		11.5	82.0	<0.002	0.06	<0.05	2.9	<1	0.7	521	0.34	0.19	5.72	0.192	0.42	2.1
D150130		13.1	108.5	<0.002	0.03	0.05	2.8	<1	0.8	430	0.38	0.08	6.13	0.172	0.58	2.2
D150131		12.2	105.0	<0.002	0.04	0.06	2.8	<1	0.7	384	0.33	0.10	6.96	0.176	0.57	2.5
D150132		16.7	66.7	0.002	0.43	1.98	12.4	1	0.7	345	0.13	4.39	2.62	0.286	0.56	0.7
D150133		8.8	100.0	<0.002	0.20	0.09	1.9	<1	0.7	232	0.31	0.45	4.62	0.125	0.57	1.6
D150134		11.0	95.8	<0.002	0.13	0.08	2.1	<1	0.7	319	0.34	0.35	6.00	0.136	0.56	2.0
D150135		10.6	67.9	<0.002	0.39	0.07	2.1	1	0.9	273	0.28	1.43	7.47	0.118	0.36	2.8
D150136		12.7	104.0	<0.002	0.20	0.07	1.3	<1	0.6	146.0	0.27	0.43	8.34	0.079	0.60	2.9
D150137		8.6	97.1	<0.002	0.09	0.06	1.3	<1	0.6	104.5	0.27	0.26	8.78	0.076	0.56	2.8
D150138		10.9	101.5	<0.002	0.07	0.05	1.0	<1	0.9	87.0	0.23	0.17	8.91	0.058	0.57	2.7
D150139		12.5	99.8	<0.002	0.12	0.05	0.9	<1	1.3	98.0	0.25	0.15	9.32	0.064	0.58	3.1
D150140		18.4	139.0	<0.002	0.15	0.08	1.1	<1	0.5	170.0	0.29	0.23	10.75	0.071	0.83	3.7

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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	Cu-OG62 Cu % 0.001	PUL-QC Pass106u % 0.01	CRU-QC Pass2mm % 0.01
D150101		357	1.4	29.6	156	64.9		97.8	94.8
D150102		2	<0.1	2.1	3	1.1		96.1	
D150103		279	4.9	22.2	101	90.1			
D150104		22	2.5	4.8	18	116.0			
D150105		26	1.7	5.0	23	118.0			
D150106		8	1.1	3.3	5	61.4			
D150107		7	0.9	2.3	5	54.0			
D150108		17	0.8	4.0	15	96.4			
D150109		19	0.9	4.4	20	95.8			
D150110		17	1.5	4.2	18	87.4			
D150111		16	1.0	3.6	13	79.6			
D150112		68	8.8	15.9	166	71.6			
D150113		11	1.2	3.3	10	81.8		99.5	
D150114		29	1.3	6.0	30	120.0		98.5	
D150115		33	1.6	5.9	26	136.0			
D150116		7	0.9	2.1	10	58.6			
D150117		30	1.5	7.1	34	137.5			
D150118		18	1.5	4.6	21	106.0			
D150119		19	3.8	4.7	20	99.1			
D150120		36	3.5	4.9	43	132.0			
D150121		5	0.9	1.7	7	45.0			
D150122		1	<0.1	2.3	5	4.0			
D150123		10	1.5	2.2	14	74.7			
D150124		32	0.5	6.3	43	128.0			
D150125		11	0.9	2.2	20	81.2			
D150126		7	1.0	1.7	13	77.1			
D150127		5	1.0	1.1	7	63.3			
D150128		28	2.3	4.8	31	119.0			
D150129		34	2.1	6.4	39	127.5			
D150130		30	1.3	6.8	35	130.0			
D150131		31	1.8	6.5	35	134.0			
D150132		107	1.8	10.0	75	65.9			
D150133		24	3.6	5.4	25	108.5			
D150134		25	2.7	5.9	24	119.0			
D150135		24	3.0	5.0	19	113.0			
D150136		16	3.8	3.1	15	93.2			
D150137		17	2.5	2.7	16	87.5			
D150138		12	2.3	2.3	14	81.2			
D150139		12	2.4	2.3	14	84.9		99.4	
D150140		13	4.3	2.9	16	103.0		99.5	90.6

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150141		1.01	0.062	0.09	6.96	1.0	390	3.09	0.44	0.54	0.02	30.0	3.7	17	2.35	19.0
D150142		1.11	<0.001	0.02	1.92	2.0	170	0.31	0.06	28.6	0.06	2.22	0.7	2	0.21	1.8
D150143		1.80	0.022	0.06	7.05	<0.2	260	3.47	0.37	0.39	<0.02	27.1	1.8	24	2.86	16.3
D150144		1.36	0.359	0.09	7.82	0.4	410	3.65	0.75	0.59	<0.02	19.35	3.2	19	2.16	14.7
D150145		0.85	0.289	0.11	6.45	0.4	310	2.47	0.83	0.35	0.04	14.80	2.9	21	1.07	26.8
D150146		1.73	0.026	0.02	8.14	0.3	890	3.21	0.13	1.05	0.02	46.0	8.4	26	2.07	18.2
D150147		1.65	0.001	0.02	7.40	0.7	830	2.67	0.11	0.91	0.02	44.6	11.9	31	1.92	20.4
D150148		2.02	0.003	0.11	7.61	0.5	920	2.32	0.07	1.47	0.04	42.8	11.0	23	1.00	31.8
D150149		2.41	0.002	0.06	7.33	0.6	210	1.29	0.25	5.60	0.14	13.60	55.0	49	0.68	125.5
D150150		0.78	<0.001	0.02	7.93	0.3	990	1.85	0.08	1.83	0.05	44.3	11.9	25	0.71	19.8
D150151		1.38	0.002	0.06	7.15	0.5	280	1.28	0.34	4.43	0.11	12.30	52.1	43	0.47	139.5
D150152		0.06	0.170	1.29	7.42	45.9	1070	2.57	1.61	1.76	0.67	69.8	7.4	47	10.15	6010
D150153		2.39	0.065	0.06	8.22	0.6	1260	2.36	0.16	1.25	0.03	54.6	6.4	21	0.96	11.1
D150154		6.67	0.019	0.04	7.33	0.4	610	1.97	0.90	0.52	0.02	39.7	6.1	18	0.43	23.3
D150155		2.36	0.219	0.07	6.90	1.0	370	1.92	2.88	0.24	<0.02	30.6	3.1	19	0.31	11.8
D150156		4.85	0.102	0.03	6.46	0.7	160	1.91	0.85	0.18	<0.02	13.20	1.4	12	0.21	5.6
D150157		3.94	0.025	0.03	7.20	0.5	220	1.12	0.28	4.10	0.08	13.10	34.6	32	0.44	91.5
D150158		4.29	0.022	0.05	7.21	0.3	830	2.04	0.62	0.41	<0.02	45.0	3.5	17	0.72	11.8
D150159		5.04	0.046	0.02	6.78	0.3	830	1.85	0.37	0.26	<0.02	32.0	2.5	16	0.78	5.9
D150160		2.55	0.037	0.03	7.80	0.5	450	2.79	0.64	0.28	<0.02	32.3	2.7	16	0.40	8.8
D150161		2.13	0.004	0.01	7.02	1.1	1850	2.14	0.13	0.66	<0.02	47.4	3.1	17	1.01	7.0
D150162		1.02	<0.001	0.01	1.95	0.6	20	0.17	0.02	30.2	0.02	1.39	1.0	2	0.18	4.5
D150163		2.66	2.41	0.06	7.66	0.4	740	2.39	19.70	0.70	<0.02	45.0	7.7	14	1.25	38.0
D150164		3.44	1.835	0.07	7.04	0.6	720	1.70	4.43	1.08	<0.02	43.3	5.1	19	1.31	17.8
D150165		2.48	0.151	0.10	7.35	1.3	180	3.24	0.57	1.69	0.04	14.05	24.2	35	2.70	77.0
D150166		3.97	0.007	0.06	7.06	0.8	90	1.25	0.21	4.74	0.12	13.60	48.4	36	1.35	120.5
D150167		2.39	0.003	0.12	7.29	0.9	100	1.69	0.37	4.03	0.08	14.45	52.4	39	0.92	134.0
D150168		4.02	0.577	0.14	7.40	0.8	90	2.44	1.30	0.53	0.03	15.00	5.4	16	1.52	16.9
D150169		5.25	0.009	0.10	6.91	0.5	110	2.02	0.56	4.05	0.08	14.15	37.7	33	1.36	109.5
D150170		2.62	0.136	0.12	7.17	0.4	80	2.47	0.84	0.32	0.02	10.95	6.0	16	1.22	20.9
D150171		2.60	2.88	0.37	6.82	1.3	110	2.19	0.79	2.17	0.03	12.40	35.9	30	2.85	92.0
D150172		0.06	1.445	4.38	7.15	37.1	850	2.49	2.07	2.63	0.21	54.7	16.4	62	7.97	>10000
D150173		2.87	4.26	0.26	6.48	0.7	80	2.31	1.15	0.19	<0.02	14.60	4.5	12	0.76	35.1
D150174		1.44	0.285	0.07	6.59	0.2	90	2.00	0.36	0.58	0.02	11.35	6.4	34	0.93	21.4
D150175		0.74	0.025	0.09	7.11	1.1	100	1.65	0.49	3.14	0.07	15.95	42.0	38	1.96	102.5
D150176		3.03	0.095	0.13	6.22	0.9	100	2.03	1.08	0.15	<0.02	16.95	5.0	28	1.34	35.0
D150177		2.52	0.764	0.39	6.65	0.6	110	1.64	2.53	3.34	0.14	12.20	38.1	37	1.02	159.0
D150178		1.56	0.068	0.19	7.30	0.8	150	3.02	2.22	0.20	0.02	33.6	2.8	16	0.70	15.8
D150179		3.70	0.030	0.06	6.31	0.7	160	2.38	0.58	0.15	<0.02	16.20	1.8	20	1.25	13.1
D150180		3.78	0.135	0.18	6.68	1.2	130	2.10	2.78	0.44	0.09	11.65	10.0	25	1.34	74.9

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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
D150141		1.48	20.4	0.12	3.7	0.014	2.92	19.5	5.9	0.24	195	0.13	3.72	5.3	4.9	220
D150142		0.20	4.06	0.23	0.4	0.005	0.75	1.6	5.6	0.70	71	0.05	1.10	1.5	0.2	60
D150143		1.03	21.2	0.28	3.9	0.009	3.06	18.0	3.6	0.15	121	0.19	4.04	5.8	3.4	170
D150144		1.18	23.1	0.25	4.5	0.009	2.88	8.6	4.1	0.15	89	0.20	4.94	6.1	5.3	290
D150145		1.20	18.25	0.23	3.3	0.009	2.06	7.9	2.6	0.09	137	0.44	4.21	5.1	5.4	330
D150146		2.62	21.1	0.26	3.7	0.020	2.63	26.0	12.1	0.73	374	1.03	4.26	6.2	10.8	450
D150147		3.54	20.2	0.25	3.4	0.025	2.24	23.3	17.1	1.23	487	1.42	3.61	6.3	15.0	490
D150148		3.19	19.45	0.25	3.5	0.029	2.49	21.3	8.3	0.74	605	0.16	3.94	6.9	10.2	490
D150149		13.00	22.7	0.15	2.3	0.098	0.47	5.3	12.2	2.32	2580	1.27	2.41	4.2	38.6	670
D150150		3.47	18.95	0.18	3.3	0.026	1.82	21.9	9.3	0.75	582	0.15	4.21	6.0	12.3	640
D150151		12.10	21.8	0.08	2.0	0.104	0.48	4.6	15.0	2.06	2380	0.81	2.77	3.8	39.4	600
D150152		3.06	19.00	0.21	2.0	0.147	3.03	34.6	47.7	0.69	347	115.0	2.04	12.1	15.5	860
D150153		2.02	20.6	0.20	4.0	0.016	2.48	27.6	8.2	0.57	328	0.20	4.64	6.9	9.2	610
D150154		2.31	19.20	0.16	2.8	0.016	1.09	22.2	7.0	0.40	246	2.14	5.08	4.6	7.0	390
D150155		1.34	19.05	0.14	3.0	0.009	1.14	14.2	4.1	0.22	118	1.88	5.32	4.1	4.8	310
D150156		0.94	18.45	0.09	2.1	0.007	0.71	7.5	2.1	0.10	73	2.50	5.53	2.9	2.1	180
D150157		8.39	20.6	0.10	1.7	0.064	0.81	5.6	9.1	1.25	1770	0.96	3.20	3.1	25.9	410
D150158		1.60	18.30	0.13	3.0	0.010	2.09	23.2	7.7	0.35	177	0.51	4.55	6.1	4.7	420
D150159		1.29	17.20	0.14	2.7	0.008	2.49	14.6	5.2	0.26	150	0.19	4.06	5.2	3.6	290
D150160		1.30	22.0	0.12	3.0	0.010	0.94	15.7	5.2	0.24	112	6.82	6.29	4.3	3.7	330
D150161		1.43	17.35	0.18	3.1	0.012	2.98	24.1	7.3	0.38	203	0.23	4.12	6.6	4.9	400
D150162		0.22	3.65	0.11	0.1	<0.005	0.62	1.3	6.2	0.86	76	0.07	1.22	0.2	<0.2	60
D150163		1.25	20.8	0.23	3.2	0.012	2.06	24.1	5.9	0.32	155	3.13	4.99	5.1	7.4	360
D150164		1.49	18.45	0.14	2.8	0.006	2.42	22.0	5.9	0.37	180	2.53	4.10	5.8	6.3	340
D150165		5.84	23.5	0.11	3.3	0.050	2.47	8.6	23.7	1.19	666	0.80	3.02	4.5	19.4	240
D150166		11.15	21.6	0.08	2.6	0.088	0.64	5.9	17.6	1.93	2060	1.38	2.13	4.2	36.1	510
D150167		10.70	22.9	0.06	2.5	0.086	0.48	7.0	17.1	1.84	2020	0.81	2.73	3.8	38.9	500
D150168		1.80	21.4	0.09	3.5	0.014	1.89	9.4	4.5	0.23	170	6.47	4.85	5.0	4.8	60
D150169		8.04	21.2	0.06	2.5	0.071	0.59	8.3	13.4	1.45	1560	0.87	2.95	4.1	28.7	400
D150170		1.34	21.5	0.09	3.6	0.011	1.70	5.5	2.9	0.17	116	4.60	5.12	4.9	4.0	70
D150171		7.23	20.9	0.10	2.9	0.059	1.37	7.2	20.3	1.23	1000	0.57	2.88	3.8	26.4	350
D150172		6.12	16.40	0.15	2.4	0.260	3.20	28.0	27.1	1.44	510	527	2.05	14.3	44.3	960
D150173		0.92	20.5	0.08	3.3	0.008	1.14	9.1	1.1	0.05	61	32.6	5.79	4.3	2.2	70
D150174		1.88	18.50	0.09	3.1	0.019	1.94	7.1	3.3	0.35	213	3.01	4.01	4.0	8.8	120
D150175		8.86	20.5	0.11	2.5	0.080	0.76	8.1	21.5	1.63	1460	1.47	2.38	3.8	33.9	450
D150176		0.93	17.60	0.09	3.0	0.009	2.60	10.1	1.7	0.09	92	6.31	3.88	5.4	3.0	30
D150177		8.50	21.3	0.09	2.5	0.062	0.94	6.3	15.2	1.19	1210	12.75	2.50	5.0	24.5	370
D150178		0.90	22.8	0.09	3.5	0.009	0.98	24.1	1.5	0.08	81	6.99	6.29	4.7	3.0	190
D150179		0.73	18.85	0.10	3.1	0.006	2.10	9.1	1.4	0.06	74	2.64	4.63	4.6	2.1	90
D150180		2.29	18.85	0.11	2.7	0.019	2.10	7.0	5.6	0.34	236	3.60	3.87	4.3	4.7	110

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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
D150141		16.9	145.5	<0.002	0.13	0.09	2.3	<1	0.7	210	0.26	0.34	10.30	0.112	0.84	3.3
D150142		2.3	15.5	<0.002	<0.01	0.11	0.3	1	0.5	77.6	0.23	<0.05	0.44	0.007	0.18	0.4
D150143		17.0	150.5	<0.002	0.09	0.07	1.0	1	0.6	135.5	0.26	0.18	12.05	0.071	0.90	3.9
D150144		13.0	108.5	<0.002	0.17	0.08	1.8	<1	0.6	178.0	0.31	0.47	12.00	0.109	0.62	3.9
D150145		15.9	70.4	<0.002	0.27	0.10	1.4	<1	0.7	139.0	0.22	0.60	8.57	0.078	0.41	2.9
D150146		14.4	101.5	<0.002	0.04	0.07	5.2	<1	0.9	438	0.32	<0.05	7.92	0.224	0.55	2.8
D150147		13.6	87.7	<0.002	0.03	0.05	7.9	<1	0.8	418	0.34	<0.05	5.25	0.297	0.48	2.1
D150148		23.5	90.1	<0.002	0.03	0.05	7.8	<1	0.8	448	0.36	0.10	5.52	0.289	0.45	2.1
D150149		5.6	24.7	0.002	0.33	0.09	40.7	1	1.0	274	0.24	0.10	0.81	1.105	0.15	0.3
D150150		16.4	52.5	<0.002	0.04	0.06	8.3	1	0.6	583	0.33	<0.05	4.70	0.326	0.26	1.7
D150151		10.3	20.0	0.002	0.24	0.08	41.7	1	0.9	356	0.22	0.09	0.41	1.070	0.11	0.1
D150152		35.3	157.0	0.077	0.72	4.69	8.0	4	4.8	215	1.00	0.67	13.40	0.345	0.93	4.2
D150153		16.1	78.2	<0.002	0.13	0.05	3.6	<1	0.7	573	0.38	0.13	6.06	0.219	0.42	2.1
D150154		8.6	30.7	<0.002	0.50	<0.05	4.5	<1	1.7	218	0.24	0.22	3.74	0.162	0.20	1.3
D150155		7.9	29.9	<0.002	0.47	0.19	1.8	<1	0.7	168.5	0.22	1.76	4.99	0.078	0.18	1.3
D150156		5.5	17.0	<0.002	0.30	0.07	0.9	1	0.4	125.0	0.15	0.41	4.22	0.045	0.11	1.0
D150157		4.5	21.9	<0.002	0.26	0.08	26.7	1	0.9	163.5	0.17	0.09	2.01	0.655	0.13	0.7
D150158		8.9	68.0	<0.002	0.41	0.06	2.2	1	0.6	265	0.29	0.14	4.15	0.120	0.37	1.7
D150159		8.2	78.8	<0.002	0.20	0.05	1.7	1	0.5	217	0.26	0.10	4.29	0.103	0.44	1.5
D150160		8.1	29.2	<0.002	0.35	0.05	1.8	1	0.5	247	0.22	0.21	4.75	0.082	0.17	1.5
D150161		10.2	95.7	<0.002	0.12	0.05	2.2	<1	0.7	368	0.33	<0.05	4.19	0.137	0.60	1.6
D150162		1.1	11.1	<0.002	0.01	0.06	0.2	1	<0.2	80.4	<0.05	<0.05	0.12	<0.005	0.11	0.2
D150163		15.8	75.0	<0.002	0.27	0.05	1.9	1	6.0	334	0.27	9.97	6.10	0.097	0.41	2.2
D150164		14.1	82.4	<0.002	0.18	<0.05	2.1	<1	2.5	314	0.30	2.45	6.30	0.117	0.47	1.8
D150165		11.9	123.5	<0.002	0.28	0.10	17.4	<1	1.3	51.3	0.24	0.18	8.03	0.382	0.69	2.9
D150166		6.3	44.7	0.002	0.26	0.10	37.7	1	1.2	90.0	0.23	0.05	2.79	0.932	0.24	1.0
D150167		9.7	25.9	0.002	0.41	0.11	37.1	1	1.1	89.5	0.21	0.12	3.34	0.923	0.15	1.2
D150168		12.2	82.7	<0.002	0.46	0.05	4.0	1	0.8	74.6	0.24	0.63	10.90	0.118	0.43	3.4
D150169		9.1	36.8	0.002	0.31	0.10	28.2	1	0.9	87.3	0.20	0.21	4.90	0.678	0.22	1.7
D150170		10.8	71.7	<0.002	0.42	0.05	3.1	1	2.0	82.6	0.24	0.34	11.95	0.102	0.38	3.9
D150171		9.2	89.3	<0.002	1.12	0.16	25.5	1	0.8	61.8	0.19	0.35	5.07	0.604	0.48	1.8
D150172		61.1	151.5	0.363	1.13	1.51	13.0	8	5.4	368	0.97	0.47	12.30	0.408	0.70	3.9
D150173		9.6	47.3	0.002	0.40	0.05	0.9	1	2.3	87.9	0.20	0.43	11.05	0.051	0.25	3.0
D150174		11.0	72.5	<0.002	0.14	0.07	5.7	<1	0.6	54.2	0.20	0.10	9.32	0.161	0.41	2.6
D150175		8.8	49.7	0.002	0.39	0.11	32.3	1	0.9	121.0	0.20	0.18	3.29	0.785	0.29	1.0
D150176		11.9	96.8	<0.002	0.19	<0.05	1.0	1	3.2	43.5	0.25	0.53	9.62	0.044	0.53	3.1
D150177		11.3	43.8	0.002	1.45	0.10	24.9	1	3.7	147.5	0.21	0.79	4.35	0.643	0.25	1.7
D150178		8.2	43.6	<0.002	0.22	0.05	0.9	1	0.7	121.0	0.24	1.72	10.85	0.053	0.20	2.3
D150179		10.9	76.4	<0.002	0.13	0.05	0.6	<1	0.9	77.4	0.24	0.30	9.19	0.039	0.40	3.0
D150180		11.6	91.5	<0.002	0.14	0.07	5.7	1	3.3	56.0	0.20	1.06	8.18	0.150	0.48	2.0

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NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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	Cu-OG62 Cu % 0.001	PUL-QC Pass106u % 0.01	CRU-QC Pass2mm % 0.01
D150141		28	4.9	3.8	21	102.5			
D150142		1	0.1	4.3	14	11.1			
D150143		13	2.9	2.6	13	105.5			
D150144		31	6.7	3.7	11	128.0			
D150145		17	10.4	3.7	11	96.4			
D150146		56	2.4	7.4	51	122.0			
D150147		81	2.2	8.1	76	116.0			
D150148		77	0.6	9.7	57	118.5			
D150149		352	1.3	30.8	166	80.0			
D150150		82	0.6	9.5	66	118.5			
D150151		355	1.3	29.4	158	80.0			
D150152		64	9.0	14.9	154	62.7			
D150153		36	6.8	7.4	49	140.5			
D150154		47	2.1	6.2	26	103.5			
D150155		16	2.5	4.6	11	98.1			
D150156		8	1.3	3.1	5	62.3			
D150157		245	1.0	19.4	102	46.8			
D150158		26	1.5	5.6	20	111.5			
D150159		23	1.9	5.1	19	95.7			
D150160		20	1.8	4.6	14	105.0			
D150161		27	0.9	5.8	26	114.0			
D150162		1	<0.1	2.1	6	3.7			
D150163		18	1.7	5.2	20	103.5			
D150164		22	1.3	5.5	21	99.5			
D150165		171	4.6	10.6	61	79.3			
D150166		318	0.9	26.0	138	76.5			
D150167		321	1.6	26.0	154	70.3			
D150168		36	1.3	4.2	13	80.1			
D150169		235	1.5	20.5	100	67.3			
D150170		27	1.2	4.2	10	84.4			
D150171		204	4.6	17.1	93	63.1		97.6	
D150172		124	3.2	21.2	106	75.5	1.115		
D150173		7	1.2	2.6	3	76.7		97.8	
D150174		49	1.4	6.3	17	69.3			95.3
D150175		264	1.6	23.1	114	54.8			
D150176		10	1.0	2.4	6	70.2			
D150177		225	2.0	17.5	82	71.0			
D150178		9	1.2	3.6	4	92.9			
D150179		6	1.2	2.1	5	74.0		96.5	
D150180		50	1.2	5.3	23	62.5		98.7	95.0

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150181		2.12	0.428	0.13	7.13	1.2	110	2.91	6.12	1.24	0.02	27.2	35.0	30	2.21	51.9
D150182		1.02	0.001	<0.01	0.09	<0.2	30	0.08	0.03	36.3	<0.02	0.99	1.1	4	<0.05	2.4
D150183		2.49	0.117	0.07	5.88	0.3	240	1.87	1.29	0.20	<0.02	11.45	4.3	20	1.20	34.4
D150184		3.51	0.067	0.11	6.15	0.7	120	2.12	1.60	0.15	<0.02	16.00	2.4	22	1.02	27.9
D150185		4.32	0.026	0.04	7.45	0.9	670	2.15	0.41	0.60	<0.02	56.0	3.5	24	1.73	12.4
D150186		3.86	0.175	0.06	6.75	1.0	310	2.03	1.29	0.32	<0.02	31.9	3.5	24	0.93	6.8
D150187		3.00	0.231	0.57	6.72	1.4	300	1.05	0.25	4.44	0.10	22.1	39.4	28	0.66	109.5
D150188		2.21	0.009	0.10	8.23	0.6	1020	2.59	0.07	0.89	0.04	49.2	5.5	20	1.11	10.3
D150189		2.70	0.149	0.38	7.19	1.0	210	2.61	2.83	1.34	0.05	23.3	26.9	31	1.24	75.7
D150190		3.55	0.002	0.02	7.39	0.4	650	2.60	0.13	0.50	0.02	39.2	3.7	23	1.88	14.9
D150191		2.50	0.006	0.03	7.69	0.3	800	2.03	0.18	0.40	<0.02	40.2	4.4	22	1.81	10.0
D150192		0.07	0.170	1.39	7.67	51.0	1120	2.46	1.65	1.80	0.66	68.9	7.6	48	11.60	6310
D150193		3.23	0.001	0.01	7.47	0.2	650	2.70	0.10	0.47	0.02	41.7	3.1	22	2.09	10.7
D150194		3.48	<0.001	0.01	7.62	0.5	700	2.76	0.07	0.66	<0.02	39.7	3.2	24	2.17	6.4
D150195		3.41	0.004	0.02	7.07	<0.2	430	2.51	0.10	0.33	<0.02	21.9	1.8	21	2.10	8.1
D150196		2.00	0.003	0.02	7.51	0.3	550	3.03	0.13	0.35	<0.02	27.4	2.6	23	2.07	11.0
D150197		2.30	0.004	0.03	7.34	0.2	570	2.81	0.17	0.54	<0.02	35.4	2.8	22	2.05	4.8
D150198		4.32	0.009	0.03	7.73	0.5	860	2.69	0.17	0.79	0.02	43.0	3.5	25	2.04	7.4
D150199		3.29	0.016	0.01	7.95	0.2	920	2.39	0.12	0.73	<0.02	50.3	4.3	24	1.42	6.7
D150200		2.74	0.013	0.04	7.74	<0.2	790	2.47	0.26	0.73	<0.02	45.6	5.5	23	1.30	9.1
D150201		3.64	0.032	0.09	8.22	0.3	840	2.36	0.54	0.75	<0.02	42.8	6.2	26	1.13	14.3
D150202		1.20	<0.001	<0.01	0.38	0.5	30	0.17	0.01	33.0	<0.02	1.07	0.8	4	<0.05	7.8
D150203		1.78	0.013	0.07	7.77	0.3	970	2.14	0.21	0.99	<0.02	40.7	5.0	28	1.47	11.0
D150204		2.63	0.006	0.08	7.31	<0.2	550	2.14	0.31	0.71	0.02	28.2	3.6	28	1.52	31.1
D150205		3.14	0.015	0.05	7.42	0.2	700	2.31	0.58	0.54	0.02	34.6	3.3	22	1.31	5.3
D150206		3.65	0.002	0.01	8.05	0.2	950	2.91	0.08	0.91	<0.02	53.1	3.9	23	2.03	5.2
D150207		3.74	0.008	0.16	8.09	0.7	1020	2.61	0.24	0.80	0.02	51.7	5.5	23	1.64	12.3
D150208		3.52	<0.001	0.01	8.04	0.3	960	2.68	0.05	1.05	<0.02	50.2	4.8	27	1.34	5.5
D150209		3.39	0.008	0.03	7.85	0.5	910	2.57	0.21	0.74	<0.02	44.9	4.6	22	1.59	9.8
D150210		4.71	0.098	0.09	7.44	0.3	620	2.28	0.52	0.63	<0.02	36.7	6.6	25	1.17	29.4
D150211		3.21	0.279	0.03	7.70	0.3	1010	2.33	0.13	0.68	0.02	47.5	4.9	23	1.61	7.2
D150212		0.07	9.86	10.05	5.80	14.2	370	1.08	0.07	4.80	0.27	25.3	11.5	21	4.37	68.3
D150213		3.26	0.036	0.10	7.79	0.3	950	2.30	0.79	0.45	<0.02	43.8	6.4	22	1.54	7.6
D150214		3.40	0.023	0.08	6.89	0.2	410	2.51	0.45	0.33	0.04	29.6	2.8	20	1.24	12.8
D150215		2.99	1.725	0.20	8.21	0.6	830	2.64	2.30	1.30	0.04	49.2	18.0	31	1.71	56.1
D150216		2.45	0.011	0.09	7.76	1.1	220	2.23	0.50	3.37	0.06	25.3	51.6	38	2.99	156.5
D150217		3.97	0.017	0.04	7.77	0.3	670	1.64	0.35	0.35	<0.02	40.3	4.6	23	1.32	6.5
D150218		4.10	0.169	0.12	6.45	0.3	380	1.66	0.92	0.45	<0.02	30.0	3.7	30	0.61	9.3
D150219		2.89	0.009	0.04	7.95	0.5	950	2.64	0.39	0.90	<0.02	51.7	7.4	29	1.58	14.4
D150220		3.01	0.167	0.09	8.08	0.2	860	2.42	0.70	0.62	<0.02	47.0	9.0	27	1.22	53.4

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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
D150181		8.54	24.8	0.11	2.6	0.074	1.40	18.5	30.5	1.90	774	219	2.86	4.7	26.1	390
D150182		0.13	0.37	<0.05	<0.1	<0.005	0.02	1.2	0.9	0.79	74	0.79	0.04	0.1	0.7	60
D150183		0.81	16.65	0.15	2.8	0.008	1.97	5.4	1.7	0.08	87	2.68	4.13	4.2	2.5	100
D150184		0.75	18.15	0.13	2.8	0.005	1.89	7.7	1.1	0.04	66	3.28	4.53	3.9	2.3	60
D150185		1.45	18.45	0.27	3.3	0.011	2.71	29.7	7.1	0.39	175	2.65	4.16	6.1	7.0	420
D150186		1.23	17.85	0.24	3.2	0.005	1.95	14.8	5.0	0.27	131	3.15	4.32	5.2	5.0	330
D150187		9.49	20.2	0.07	2.2	0.083	0.54	8.7	12.6	1.69	1720	0.89	2.48	4.2	26.7	650
D150188		1.71	20.3	0.16	4.0	0.011	1.93	23.3	7.1	0.45	281	0.67	5.23	5.9	6.6	580
D150189		7.85	20.4	0.05	3.3	0.059	1.09	10.2	16.7	1.28	765	1.56	3.72	5.4	19.4	460
D150190		1.47	18.90	0.13	3.8	0.014	3.07	19.4	6.7	0.42	201	1.18	3.93	6.5	6.7	420
D150191		1.70	18.75	0.06	3.5	0.013	3.12	20.3	8.6	0.56	223	0.85	4.19	6.7	7.7	520
D150192		3.16	19.50	0.11	2.0	0.152	3.23	33.2	46.3	0.71	359	116.5	2.18	13.4	15.7	880
D150193		1.43	19.35	0.06	3.4	0.011	3.21	23.5	6.4	0.41	204	1.21	3.99	6.7	6.0	420
D150194		1.51	19.25	0.05	3.4	0.012	3.15	21.8	6.3	0.42	223	1.20	3.98	6.1	5.8	420
D150195		1.10	19.25	0.05	3.0	0.010	3.47	13.0	3.2	0.20	128	1.38	3.87	5.3	3.3	210
D150196		1.29	20.3	0.05	3.5	0.013	3.34	15.0	5.3	0.33	167	1.39	4.25	6.3	5.3	290
D150197		1.34	19.80	0.05	3.3	0.012	3.10	19.9	5.6	0.34	180	1.19	4.09	5.7	5.2	360
D150198		1.56	20.6	0.07	3.2	0.016	3.00	23.5	6.4	0.41	223	1.26	4.20	6.2	6.6	450
D150199		1.85	19.45	0.07	3.6	0.023	2.70	26.0	9.2	0.60	251	0.82	4.40	6.8	8.2	600
D150200		1.76	19.00	0.07	3.4	0.014	2.60	23.9	7.5	0.54	239	0.91	4.36	6.4	7.4	550
D150201		1.98	20.2	0.07	3.5	0.017	2.76	21.1	8.2	0.56	239	1.06	4.57	7.0	8.7	580
D150202		0.13	1.27	<0.05	0.1	0.005	0.17	1.1	0.9	0.99	73	0.27	0.18	0.6	0.5	70
D150203		1.85	18.45	0.08	3.3	0.015	2.94	21.4	9.5	0.63	268	1.28	4.07	6.6	8.0	570
D150204		1.50	16.70	0.05	3.1	0.012	2.97	15.8	7.2	0.51	213	1.58	3.97	5.0	4.3	330
D150205		1.38	19.40	0.06	3.1	0.011	3.05	18.7	6.1	0.36	176	1.14	4.19	5.7	5.0	370
D150206		1.72	21.6	0.09	3.5	0.016	3.17	28.2	8.5	0.50	248	0.85	4.20	7.5	7.2	530
D150207		1.85	21.0	0.07	3.4	0.016	2.86	26.2	10.1	0.56	260	0.81	4.30	7.0	8.7	590
D150208		1.86	20.9	0.09	3.5	0.017	2.83	26.0	11.0	0.58	283	1.04	4.35	6.8	8.1	610
D150209		1.73	19.60	0.08	3.5	0.016	2.93	23.8	10.2	0.58	257	0.82	4.30	6.8	7.2	550
D150210		1.62	18.90	0.07	3.3	0.011	2.87	20.1	7.5	0.49	201	1.21	4.27	5.9	6.4	490
D150211		1.91	19.80	0.08	3.2	0.016	3.32	25.0	13.0	0.71	242	0.83	3.92	6.6	7.5	530
D150212		3.44	12.40	0.05	1.8	0.039	1.94	12.1	50.5	1.23	911	5.51	1.50	2.4	10.9	690
D150213		2.37	19.05	0.07	3.3	0.018	3.14	22.1	24.2	1.14	284	5.48	3.96	6.1	8.0	560
D150214		1.06	20.1	0.05	3.3	0.009	3.22	19.2	4.2	0.25	131	1.38	4.00	5.4	3.6	230
D150215		3.84	21.9	0.07	3.2	0.033	2.45	24.2	16.3	1.02	482	1.10	4.08	6.8	17.2	650
D150216		10.90	25.6	0.07	2.3	0.098	0.86	12.1	32.7	2.27	1520	1.42	2.62	4.7	40.3	630
D150217		1.64	17.85	0.06	3.4	0.012	2.87	20.9	10.2	0.61	200	4.58	4.51	6.5	6.9	560
D150218		1.43	15.50	0.05	2.5	0.011	1.92	18.1	5.2	0.36	155	5.27	4.13	4.4	4.8	410
D150219		1.95	20.3	0.08	3.4	0.021	2.57	26.6	10.1	0.60	271	1.29	4.48	6.9	8.4	620
D150220		2.00	20.1	0.07	3.5	0.017	2.57	22.4	9.4	0.61	230	1.04	4.61	6.8	9.4	620

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	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
D150181		12.0	86.4	0.086	1.01	0.13	25.6	1	1.8	77.3	0.20	2.77	6.15	0.622	0.46	2.1
D150182		<0.5	0.7	<0.002	<0.01	<0.05	0.3	1	<0.2	91.2	<0.05	<0.05	0.09	0.008	<0.02	0.1
D150183		7.8	68.9	<0.002	0.12	0.05	0.8	<1	2.6	74.7	0.22	0.95	8.56	0.044	0.38	2.1
D150184		8.9	73.1	<0.002	0.12	<0.05	0.5	<1	1.9	66.1	0.21	0.98	8.51	0.029	0.38	1.8
D150185		9.2	102.5	<0.002	0.13	0.09	2.3	1	1.0	271	0.30	0.34	6.24	0.134	0.51	2.3
D150186		8.9	71.6	<0.002	0.20	0.08	1.9	1	0.5	155.0	0.26	0.99	7.69	0.101	0.37	2.6
D150187		6.9	21.3	0.002	0.27	0.14	33.7	1	1.5	277	0.23	0.76	1.27	0.834	0.12	0.5
D150188		12.7	66.0	<0.002	0.08	0.07	3.0	1	1.0	539	0.39	0.14	6.60	0.179	0.33	2.6
D150189		16.1	46.2	<0.002	0.66	0.14	21.7	1	1.1	119.0	0.26	1.75	5.86	0.648	0.23	2.6
D150190		13.2	131.5	<0.002	0.03	0.05	2.3	<1	0.6	248	0.30	<0.05	8.69	0.138	0.67	3.0
D150191		7.7	112.5	<0.002	0.06	0.07	2.6	<1	0.6	202	0.32	0.07	6.46	0.165	0.54	2.3
D150192		37.6	160.0	0.086	0.76	5.18	8.1	4	4.9	227	1.03	0.70	13.65	0.355	0.87	4.0
D150193		12.3	129.5	<0.002	0.01	0.06	2.2	<1	0.6	218	0.31	<0.05	7.79	0.137	0.62	2.7
D150194		12.4	130.0	<0.002	0.01	0.05	2.2	<1	0.6	308	0.30	<0.05	7.79	0.138	0.64	2.7
D150195		12.0	140.5	<0.002	0.03	<0.05	1.2	<1	0.4	139.5	0.24	<0.05	8.19	0.082	0.71	2.5
D150196		12.4	130.0	<0.002	0.03	0.05	1.6	<1	1.0	164.0	0.30	0.05	9.31	0.107	0.65	2.9
D150197		13.3	125.0	<0.002	0.05	0.05	1.9	<1	0.6	248	0.28	0.06	8.10	0.120	0.63	2.6
D150198		14.3	114.0	<0.002	0.03	0.06	2.4	<1	0.6	445	0.31	0.05	6.73	0.148	0.56	2.3
D150199		8.0	92.3	<0.002	0.06	<0.05	3.1	<1	0.6	349	0.34	<0.05	6.13	0.185	0.46	2.3
D150200		10.4	96.4	<0.002	0.10	0.05	2.9	<1	0.6	319	0.33	0.10	6.98	0.171	0.46	2.4
D150201		9.2	87.1	<0.002	0.29	0.07	3.5	<1	0.7	354	0.34	0.39	6.41	0.191	0.43	2.3
D150202		<0.5	4.8	<0.002	0.02	<0.05	0.4	1	<0.2	87.9	0.06	<0.05	0.11	0.012	0.04	0.2
D150203		13.0	102.5	<0.002	0.09	0.05	2.9	<1	0.7	414	0.33	0.10	6.37	0.175	0.51	2.4
D150204		15.3	108.5	<0.002	0.15	<0.05	1.6	<1	0.4	169.0	0.24	0.09	8.56	0.112	0.53	3.0
D150205		11.8	92.9	<0.002	0.13	0.05	2.0	<1	0.5	310	0.28	0.27	7.06	0.126	0.51	2.3
D150206		13.1	128.0	<0.002	0.01	<0.05	2.9	<1	0.7	429	0.35	<0.05	6.83	0.172	0.61	2.3
D150207		11.7	98.9	<0.002	0.06	<0.05	3.2	<1	0.9	497	0.35	0.25	5.77	0.186	0.47	2.1
D150208		10.2	92.9	<0.002	0.01	<0.05	3.2	<1	0.6	468	0.34	<0.05	5.50	0.186	0.45	2.0
D150209		10.6	114.0	<0.002	0.04	<0.05	3.0	<1	0.6	368	0.34	0.11	7.19	0.175	0.55	2.6
D150210		10.3	99.9	<0.002	0.20	0.05	2.5	<1	0.6	235	0.29	0.23	7.02	0.155	0.51	2.4
D150211		8.4	106.0	<0.002	0.05	<0.05	3.0	<1	0.8	308	0.34	0.05	5.47	0.177	0.57	1.9
D150212		16.4	70.7	0.003	0.44	2.20	13.6	1	0.7	361	0.13	4.54	2.67	0.298	0.55	0.7
D150213		7.7	109.5	<0.002	0.25	0.05	3.0	<1	0.8	224	0.31	0.33	5.55	0.171	0.56	2.1
D150214		16.3	107.5	<0.002	0.12	<0.05	1.3	<1	1.0	142.5	0.24	0.16	10.35	0.090	0.53	3.3
D150215		11.0	83.2	<0.002	0.26	0.05	11.0	<1	1.4	361	0.34	1.24	4.94	0.376	0.42	1.8
D150216		5.2	53.3	0.002	0.54	0.07	40.3	1	1.3	213	0.24	0.16	1.40	1.010	0.26	0.6
D150217		6.0	94.4	<0.002	0.12	<0.05	2.9	<1	0.7	198.0	0.32	0.16	6.42	0.174	0.46	2.1
D150218		7.9	54.2	<0.002	0.29	0.07	1.8	<1	0.8	182.0	0.21	0.50	5.67	0.118	0.29	1.9
D150219		11.2	84.0	<0.002	0.09	0.06	3.2	<1	2.3	494	0.34	0.18	6.27	0.194	0.40	2.3
D150220		11.2	85.5	<0.002	0.20	0.06	3.2	<1	1.4	361	0.33	0.35	6.39	0.196	0.42	2.3

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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	Cu-OG62 Cu % 0.001	PUL-QC Pass106u % 0.01	CRU-QC Pass2mm % 0.01
D150181		237	2.5	16.4	84	87.5			
D150182		2	<0.1	2.2	2	1.6			
D150183		8	1.2	2.7	5	72.6			
D150184		5	1.1	2.6	3	64.4			
D150185		25	3.3	5.4	22	111.5			
D150186		19	3.5	5.0	14	97.9			
D150187		277	2.5	25.7	127	69.2			
D150188		30	2.3	7.7	42	139.5			
D150189		200	12.6	14.4	81	101.0			
D150190		25	0.9	5.5	26	121.5			
D150191		29	1.0	5.6	31	137.5			
D150192		66	10.3	15.2	162	68.7			
D150193		22	0.7	4.9	27	123.0			
D150194		23	0.6	5.2	31	119.5			
D150195		13	1.0	3.2	15	93.7			
D150196		17	1.4	4.2	20	117.0			
D150197		21	1.2	4.3	23	115.0			
D150198		25	0.8	5.5	30	122.5			
D150199		33	0.8	6.7	33	140.0			
D150200		32	1.6	5.8	34	132.5			
D150201		40	4.8	6.5	32	141.5			
D150202		2	0.1	2.9	2	2.8			
D150203		32	1.2	6.0	39	134.0			
D150204		21	0.6	4.1	31	105.0			
D150205		23	1.6	4.5	25	113.0			
D150206		30	0.8	6.3	35	138.5			
D150207		33	1.5	6.7	38	145.5			
D150208		33	0.5	6.5	42	145.5			
D150209		30	1.1	6.5	38	137.0			
D150210		28	1.7	5.5	29	122.5			
D150211		37	2.3	6.0	40	130.0			
D150212		111	1.7	10.8	76	74.1			
D150213		42	2.1	6.4	46	134.5			93.8
D150214		15	0.8	3.1	23	101.0			
D150215		103	1.4	11.6	57	135.5			
D150216		342	1.4	27.9	133	85.1			
D150217		30	1.8	6.1	31	136.5			
D150218		24	2.7	3.7	24	92.2			
D150219		35	1.4	6.5	39	139.0		97.6	
D150220		37	2.9	6.6	34	141.5		98.8	94.0

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150221		3.55	0.003	0.10	7.39	0.7	280	1.29	0.32	3.99	0.10	19.60	50.7	39	0.99	126.0
D150222		1.04	<0.001	<0.01	0.11	<0.2	30	0.07	0.01	35.5	<0.02	0.93	0.5	2	<0.05	1.0
D150223		1.61	0.003	0.65	7.82	0.6	380	1.38	0.22	2.51	0.04	23.9	32.3	37	0.86	75.5
D150224		3.57	0.052	0.08	7.44	0.3	640	1.73	0.95	0.42	<0.02	38.8	6.8	25	0.91	14.1
D150225		4.07	0.082	0.08	7.23	0.2	480	1.99	0.45	0.55	0.02	37.9	6.3	24	1.05	17.5
D150226		3.71	0.043	0.10	8.12	0.3	590	2.29	0.75	0.51	0.02	36.8	10.4	25	0.79	26.4
D150227		2.43	0.096	0.17	7.75	0.5	900	2.46	0.51	0.82	0.05	46.3	10.3	28	1.62	65.1
D150228		1.90	0.039	0.59	6.07	0.6	150	2.65	0.41	0.27	0.20	10.40	6.8	27	1.67	46.6
D150229		2.55	0.007	0.06	7.43	0.2	780	1.93	0.22	0.51	<0.02	43.6	4.7	25	1.37	10.0
D150230		3.12	0.065	0.11	6.45	0.3	310	2.01	0.69	0.22	<0.02	24.5	3.6	23	1.05	13.3
D150231		4.45	0.014	0.07	7.14	0.3	610	2.49	0.54	0.51	0.03	36.6	6.8	26	1.58	17.1
D150232		0.06	1.490	4.25	7.08	35.4	840	2.71	2.14	2.55	0.25	49.1	16.1	62	7.95	>10000
D150233		1.96	0.007	0.09	7.77	<0.2	990	2.48	0.19	0.72	0.03	51.0	8.1	27	1.38	37.2
D150234		2.95	0.112	0.15	6.18	<0.2	270	1.63	1.57	0.16	<0.02	12.20	4.2	24	0.86	10.1
D150235		3.85	0.017	0.04	7.13	0.8	940	2.35	0.40	0.85	0.02	46.1	5.0	30	1.11	7.5
D150236		1.81	0.001	0.02	7.84	0.9	1130	2.86	0.12	0.82	<0.02	50.9	5.5	28	1.52	41.6
D150237		3.62	0.754	0.10	7.31	0.9	680	2.60	1.70	0.48	<0.02	38.0	4.2	26	1.33	11.3
D150238		2.93	0.027	0.04	7.83	0.2	1010	2.43	0.54	0.78	0.02	54.5	7.0	28	1.07	8.9
D150239		2.12	0.065	0.11	6.92	0.7	80	3.10	0.51	3.37	0.10	11.60	34.7	32	1.84	117.0
D150240		3.78	0.125	0.10	6.78	0.6	70	2.35	0.59	3.25	0.08	13.95	34.0	33	2.84	106.0
D150241		2.80	0.003	0.08	7.18	0.6	70	1.07	0.25	4.63	0.12	12.20	61.6	41	2.40	163.5
D150242		1.10	<0.001	0.01	0.07	0.4	20	0.08	0.02	32.6	<0.02	0.78	0.8	2	<0.05	2.1
D150243		1.70	0.055	0.16	6.89	0.2	110	2.25	0.77	2.04	0.11	12.10	25.7	31	2.65	85.6
D150244		2.89	1.895	0.22	6.70	0.8	130	2.29	1.13	1.80	0.05	10.45	26.7	32	2.26	70.0
D150245		2.13	0.663	0.11	6.60	0.9	160	2.30	1.01	2.56	0.09	12.55	43.8	36	3.86	135.0
D150246		1.87	0.044	0.22	7.84	<0.2	1090	2.11	0.11	2.26	0.12	48.5	21.4	40	1.21	54.0
D150247		3.55	0.002	0.04	7.33	0.6	180	0.76	0.14	6.92	0.14	16.30	54.1	83	0.96	106.0
D150248		4.65	0.002	0.04	7.34	<0.2	160	0.97	0.30	4.38	0.10	16.00	45.1	66	0.98	103.5
D150249		3.11	0.001	0.04	7.38	0.2	160	0.90	0.19	4.90	0.09	16.70	59.9	101	0.81	123.5
D150250		2.63	<0.001	0.04	7.55	0.8	110	1.52	0.25	4.07	0.09	26.1	51.8	176	0.82	65.5
D150251		3.21	0.002	0.06	7.31	0.7	130	0.87	0.35	4.59	0.11	16.95	55.0	73	0.72	118.5
D150252		0.07	0.170	1.42	7.53	48.2	1120	2.81	1.69	1.76	0.72	71.6	7.8	48	10.70	6310
D150253		2.02	0.002	0.05	7.29	0.6	120	1.04	0.35	4.65	0.09	15.10	52.9	53	0.70	177.5

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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
D150221		11.10	21.1	0.07	2.6	0.089	0.60	8.7	19.6	2.01	2060	1.88	2.53	4.1	37.7	600
D150222		0.11	0.29	<0.05	<0.1	<0.005	0.03	1.1	0.6	0.77	73	0.09	0.05	0.1	0.2	70
D150223		7.23	19.75	0.05	2.2	0.060	0.86	10.3	14.0	1.41	1240	1.90	3.99	4.5	28.0	620
D150224		1.81	18.50	0.07	3.3	0.011	2.38	21.1	9.5	0.62	203	3.14	4.29	6.3	7.5	550
D150225		1.38	19.25	0.06	3.3	0.015	2.73	22.2	6.8	0.42	171	1.57	4.24	5.6	5.6	410
D150226		1.88	19.45	0.05	3.4	0.010	1.96	18.9	8.1	0.56	206	1.36	5.28	6.4	8.1	620
D150227		2.30	20.8	0.20	3.4	0.023	2.84	22.7	10.7	0.61	297	2.03	4.01	6.3	14.7	550
D150228		1.41	19.10	0.14	3.0	0.013	1.89	5.6	3.8	0.19	142	2.83	4.01	4.2	4.0	80
D150229		1.56	18.80	0.18	3.3	0.017	3.35	23.0	8.7	0.50	187	1.07	3.92	6.2	7.0	480
D150230		0.98	19.30	0.18	3.0	0.010	2.96	15.3	4.4	0.19	95	2.23	3.86	5.0	4.0	210
D150231		1.34	20.4	0.19	3.1	0.016	3.00	20.4	7.4	0.34	163	1.53	4.01	6.1	6.1	340
D150232		6.05	16.85	0.24	2.2	0.250	3.21	24.7	29.8	1.39	504	509	2.06	14.6	44.4	970
D150233		1.88	20.5	0.20	3.4	0.018	2.75	24.8	11.6	0.60	236	1.65	4.25	6.8	9.2	640
D150234		1.13	18.30	0.21	3.1	0.007	2.56	5.6	4.3	0.20	90	2.51	3.90	4.5	3.6	240
D150235		1.74	18.70	0.19	3.2	0.016	2.55	23.6	9.9	0.50	232	1.37	3.93	6.2	8.0	570
D150236		1.89	21.3	0.21	3.5	0.024	2.90	25.2	11.1	0.57	250	1.13	4.14	7.1	9.6	630
D150237		1.55	20.6	0.19	3.5	0.015	2.51	17.9	9.8	0.46	177	1.39	4.30	5.9	6.8	450
D150238		1.96	19.90	0.23	3.3	0.016	2.50	26.7	13.8	0.65	247	1.16	4.23	6.7	9.6	650
D150239		7.66	24.8	0.21	2.2	0.094	1.03	8.1	17.4	0.98	1320	1.69	3.25	4.9	25.6	330
D150240		6.58	23.3	0.16	2.2	0.057	1.12	8.9	17.4	0.83	1230	1.71	3.24	3.4	25.3	350
D150241		11.80	23.3	0.16	1.7	0.100	0.75	4.4	23.7	1.79	2130	1.27	2.13	3.6	43.9	600
D150242		0.11	0.29	0.10	<0.1	0.006	0.02	1.0	1.3	1.11	81	0.14	0.03	0.1	0.6	70
D150243		5.54	22.7	0.14	3.0	0.047	1.37	9.1	14.9	0.81	908	1.79	3.25	3.1	19.6	310
D150244		5.42	22.0	0.16	2.3	0.045	1.54	8.1	17.7	0.60	958	1.58	3.53	2.6	19.5	260
D150245		8.81	22.6	0.15	2.0	0.062	2.15	6.2	26.3	0.97	1410	1.95	2.35	2.4	34.1	450
D150246		4.52	20.8	0.20	3.0	0.045	2.20	22.6	13.5	1.09	742	0.90	3.75	7.1	20.1	600
D150247		10.30	22.2	0.15	1.5	0.099	0.52	5.9	14.1	2.61	1760	1.24	1.94	3.4	48.2	600
D150248		10.15	21.1	0.11	1.7	0.089	0.45	5.7	18.8	2.68	1540	1.96	3.08	3.1	43.1	540
D150249		11.65	21.0	0.10	1.5	0.104	0.45	5.9	25.6	3.30	1940	2.01	2.62	3.3	58.9	650
D150250		10.20	21.5	0.12	1.8	0.090	0.21	10.0	38.5	4.06	1840	1.27	3.39	3.9	74.0	1050
D150251		11.70	22.2	0.09	1.3	0.119	0.35	6.0	24.8	3.08	2160	0.77	2.67	3.1	46.1	540
D150252		3.15	20.3	0.22	1.9	0.147	3.24	34.6	59.3	0.70	356	116.0	2.15	13.0	16.8	890
D150253		11.25	22.1	0.13	1.5	0.112	0.30	5.1	21.3	2.65	1980	1.15	3.17	3.4	41.4	570

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Finalized Date: 30-SEP-2021
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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
D150221		7.8	29.5	0.002	0.49	0.07	38.6	1	2.1	227	0.23	0.15	1.33	0.987	0.15	0.5
D150222		<0.5	0.7	<0.002	<0.01	<0.05	0.2	2	<0.2	93.8	<0.05	<0.05	0.07	0.008	<0.02	0.1
D150223		6.7	27.4	<0.002	0.20	0.05	22.4	1	2.5	260	0.24	0.38	2.84	0.707	0.16	1.0
D150224		7.2	74.9	<0.002	0.22	0.08	3.0	<1	2.1	264	0.32	0.50	6.04	0.173	0.37	2.4
D150225		10.6	82.3	<0.002	0.14	0.05	2.1	<1	2.3	218	0.26	0.20	7.66	0.127	0.41	2.6
D150226		8.3	60.7	<0.002	0.31	<0.05	2.7	<1	3.0	295	0.30	0.36	6.35	0.169	0.29	2.2
D150227		21.4	98.7	<0.002	0.15	0.67	4.6	<1	2.1	414	0.33	0.22	5.94	0.213	0.49	2.1
D150228		17.4	75.1	<0.002	0.20	0.09	2.7	1	2.2	70.0	0.20	0.20	9.64	0.090	0.33	2.9
D150229		8.1	111.5	<0.002	0.05	0.06	2.6	<1	1.5	246	0.32	0.11	6.55	0.157	0.53	2.3
D150230		9.4	91.8	<0.002	0.16	0.09	1.2	<1	1.4	105.5	0.24	0.34	8.00	0.072	0.46	2.9
D150231		12.5	102.0	<0.002	0.10	0.06	1.9	1	1.9	259	0.31	0.27	7.02	0.120	0.50	2.4
D150232		61.7	142.0	0.381	1.13	1.61	12.6	9	5.0	370	1.01	0.48	10.80	0.403	0.64	3.3
D150233		12.2	92.0	<0.002	0.06	0.07	3.2	<1	3.2	429	0.35	0.07	5.87	0.193	0.42	2.1
D150234		8.2	74.3	<0.002	0.30	0.08	1.2	<1	0.7	95.9	0.22	0.93	8.27	0.081	0.42	2.7
D150235		11.2	77.5	<0.002	0.10	0.09	2.9	<1	0.7	486	0.32	0.23	5.41	0.177	0.34	2.0
D150236		12.4	104.5	<0.002	0.03	0.05	3.4	1	0.8	527	0.36	<0.05	5.97	0.195	0.47	2.1
D150237		10.1	80.8	<0.002	0.07	0.07	2.4	<1	0.8	305	0.28	1.02	7.73	0.143	0.38	2.3
D150238		9.8	77.3	<0.002	0.16	0.08	3.3	1	1.0	469	0.33	0.33	5.07	0.198	0.35	1.9
D150239		6.8	55.8	<0.002	0.52	0.16	20.5	1	1.4	65.0	0.20	0.23	5.62	0.516	0.34	2.0
D150240		9.5	66.4	<0.002	0.54	0.29	24.8	1	0.7	79.3	0.18	0.19	5.24	0.574	0.43	2.0
D150241		4.4	55.8	0.003	0.54	0.30	42.5	1	0.9	75.6	0.21	0.15	0.83	1.050	0.30	0.3
D150242		<0.5	0.5	<0.002	<0.01	0.05	0.2	1	<0.2	87.7	<0.05	<0.05	0.05	0.007	<0.02	0.2
D150243		12.7	83.7	<0.002	0.35	0.15	19.6	1	0.5	55.0	0.17	0.28	9.69	0.509	0.46	3.5
D150244		8.6	78.2	<0.002	0.86	0.27	16.4	1	0.5	95.4	0.12	0.68	7.95	0.370	0.43	2.8
D150245		7.8	133.0	0.002	0.59	0.37	32.5	1	0.7	74.7	0.13	0.38	4.55	0.494	0.71	1.7
D150246		17.4	69.5	<0.002	0.09	0.06	12.6	<1	5.1	539	0.38	<0.05	3.52	0.379	0.35	1.1
D150247		2.5	24.8	<0.002	0.14	0.08	41.2	1	1.2	230	0.19	<0.05	0.48	0.837	0.11	0.2
D150248		3.3	20.0	0.003	0.24	0.06	35.8	1	1.3	208	0.19	<0.05	0.64	0.723	0.10	0.2
D150249		3.2	17.9	0.002	0.20	0.09	43.5	1	2.8	234	0.19	<0.05	0.60	0.818	0.08	0.2
D150250		3.9	7.7	<0.002	0.23	0.06	41.5	1	1.4	197.0	0.19	<0.05	1.24	0.759	0.04	0.5
D150251		3.0	12.7	<0.002	0.17	0.09	46.7	1	1.4	234	0.19	<0.05	0.33	0.833	0.06	0.1
D150252		39.1	166.5	0.087	0.76	5.44	8.5	4	4.7	223	1.03	0.75	12.45	0.358	0.86	4.0
D150253		3.1	11.3	0.003	0.26	0.08	42.3	1	1.7	192.0	0.20	0.05	0.41	0.901	0.06	0.1

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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	Cu-OG62 Cu % 0.001	PUL-QC Pass106u % 0.01	CRU-QC Pass2mm % 0.01
D150221		340	1.2	26.2	147	76.9			
D150222		2	0.1	2.1	2	1.9			
D150223		230	1.6	16.9	101	82.8			
D150224		32	3.8	6.0	33	129.0			
D150225		24	1.8	4.9	25	115.0			
D150226		33	1.9	5.9	30	133.0			
D150227		47	1.4	7.1	42	133.5			
D150228		27	1.0	4.4	13	76.6			
D150229		29	1.1	5.4	26	118.0			
D150230		14	2.8	3.6	13	92.8			
D150231		21	1.2	4.8	21	104.0			
D150232		123	2.8	20.3	105	78.8	1.115		
D150233		34	1.0	6.7	34	136.0			
D150234		17	2.5	3.6	12	93.9			
D150235		31	1.8	6.1	33	124.5			
D150236		34	0.7	7.0	36	145.0			
D150237		25	1.3	5.6	24	124.0			
D150238		37	3.4	6.9	36	138.5			
D150239		217	4.1	13.8	88	61.7			
D150240		215	3.6	13.8	75	64.0			
D150241		367	1.3	27.1	157	60.5			
D150242		2	0.1	1.9	3	1.3			
D150243		172	1.4	8.8	67	82.3			
D150244		169	5.2	6.5	52	64.9			
D150245		271	4.9	9.2	81	66.9			
D150246		127	1.3	12.6	87	126.0			
D150247		336	0.7	26.9	136	50.2			
D150248		289	0.6	25.3	147	62.1			
D150249		355	0.6	27.7	173	53.0			
D150250		323	0.8	25.5	197	69.4			
D150251		371	0.6	29.1	174	45.0			
D150252		67	8.2	15.7	162	68.8			
D150253		357	0.8	30.2	147	57.7			

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238217

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-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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

Au-ICP22	Cu-OG62	ME-MS61	ME-OG62

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 24-SEP-2021
This copy reported on 1-OCT-2021
Account: NHSYFR

CERTIFICATE SD21238982

Project: Miller Gold Project

This report is for 15 samples of Rock submitted to our lab in Sudbury, ON, Canada on 7-SEP-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK2	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-MS61	48 element four acid 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, General Manager, North Vancouver

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NEW LISKEARD ON P0J 1P0

Finalized Date: 24-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238982

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	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	0.001	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D150301		1.93	0.004	7.96	0.5	390	0.87	0.04	1.37	0.08	40.1	7.6	42	0.80	5.9	2.46
D150302		2.22	0.208	5.28	4.8	80	0.75	0.92	2.32	0.69	23.8	65.9	21	1.30	557	16.30
D150303		2.06	<0.001	7.77	0.4	260	0.82	0.03	1.67	0.12	42.9	7.8	44	0.70	8.1	2.35
D150304		3.67	0.026	4.67	2.0	80	0.87	0.67	4.46	0.65	20.5	57.1	16	1.28	285	12.95
D150305		1.73	<0.001	7.94	0.8	180	0.70	0.03	1.03	0.12	37.9	8.0	38	0.47	7.7	2.44
D150306		1.75	0.011	2.60	3.3	70	0.40	0.58	1.18	0.21	9.43	28.3	36	0.59	336	9.30
D150307		1.86	<0.001	6.71	0.7	130	0.84	0.40	4.80	0.14	17.90	45.5	4	1.02	68.4	14.50
D150308		1.49	<0.001	7.83	1.1	430	0.87	0.02	1.55	0.15	39.6	8.0	38	1.28	4.9	2.44
D150309		1.67	2.35	3.40	3.0	90	0.47	0.94	1.54	0.27	16.05	54.6	30	0.98	471	11.85
D150310		1.03	0.027	0.08	<0.2	20	<0.05	0.01	35.7	<0.02	0.95	0.7	2	<0.05	2.0	0.14
D150311		1.42	0.025	6.71	1.0	90	0.80	0.28	4.59	0.15	18.40	44.1	6	0.83	67.5	14.35
D150312		2.82	<0.001	7.59	0.3	390	0.48	0.04	1.38	0.05	39.5	7.9	39	0.73	6.1	2.27
D150313		2.03	<0.001	7.81	0.2	400	0.70	0.02	1.43	0.05	38.7	8.2	38	1.06	8.6	2.21
D150314		2.27	0.111	4.17	4.0	130	0.42	0.91	2.01	0.17	16.50	45.3	32	1.39	286	11.65
D150315		2.29	0.002	6.75	0.9	240	0.51	0.40	4.08	0.10	20.3	53.2	5	1.03	110.0	14.45

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 24-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238982

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
D150301		15.05	0.17	2.0	0.019	1.55	20.9	22.4	0.89	457	2.37	4.11	2.7	17.0	550	3.5
D150302		22.5	0.11	3.3	0.313	0.22	10.0	28.4	1.98	1600	30.3	0.86	6.0	61.3	810	15.3
D150303		14.30	0.15	2.0	0.017	0.90	22.1	17.2	0.83	466	2.07	4.64	2.8	17.2	540	5.4
D150304		17.40	0.08	2.3	0.227	0.30	8.6	20.3	1.62	1650	11.00	0.81	3.8	39.1	620	10.6
D150305		14.05	0.15	2.1	0.014	0.58	19.4	16.8	0.86	483	1.13	5.25	2.9	16.2	560	3.3
D150306		11.55	0.05	1.2	0.162	0.10	3.6	13.4	1.18	963	12.20	0.31	2.0	31.8	340	6.4
D150307		24.0	0.07	3.1	0.125	0.56	6.0	21.8	2.51	2370	6.97	1.11	5.0	7.6	890	5.8
D150308		15.75	0.14	2.0	0.013	1.60	20.9	28.4	0.94	497	1.39	3.74	2.9	15.4	540	4.3
D150309		13.90	0.06	1.5	0.212	0.16	6.5	22.6	1.37	1100	14.40	0.32	2.4	66.0	380	8.7
D150310		0.24	0.05	<0.1	<0.005	0.02	1.2	1.0	1.13	84	0.19	0.03	0.1	<0.2	70	<0.5
D150311		25.0	<0.05	3.3	0.137	0.37	6.1	18.4	2.21	2310	3.19	1.35	5.3	9.5	910	5.4
D150312		13.35	0.11	2.1	0.012	1.52	20.9	16.5	0.88	426	1.13	4.40	3.0	15.8	550	2.6
D150313		14.25	0.11	2.0	0.009	1.55	20.3	19.6	0.85	430	1.85	4.10	2.8	14.5	530	4.2
D150314		16.60	<0.05	2.1	0.166	0.32	6.9	21.0	1.51	1260	26.2	0.47	4.0	31.6	580	8.8
D150315		22.9	0.05	3.1	0.132	0.73	7.4	25.0	2.57	2440	8.41	1.34	5.6	7.6	920	2.6

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 24-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238982

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
D150301		48.6	<0.002	0.01	0.09	4.1	<1	1.2	204	0.19	<0.05	3.48	0.134	0.29	0.8	33
D150302		9.8	0.027	4.16	0.21	23.2	7	6.5	114.5	0.36	0.85	1.77	0.922	0.20	0.6	145
D150303		28.6	<0.002	0.02	0.10	4.0	<1	0.7	219	0.20	<0.05	3.46	0.136	0.17	0.8	29
D150304		16.2	0.008	2.64	0.16	23.0	4	5.2	174.0	0.24	0.58	1.06	0.712	0.27	0.4	130
D150305		19.1	<0.002	0.02	0.09	3.6	<1	1.1	219	0.20	<0.05	3.54	0.142	0.10	0.8	28
D150306		4.9	0.006	1.81	0.16	10.8	3	5.0	69.2	0.13	0.48	0.60	0.309	0.15	0.2	71
D150307		26.4	0.005	0.92	0.12	37.6	1	2.1	165.0	0.31	0.27	0.49	1.285	0.21	0.1	223
D150308		52.3	<0.002	0.01	0.09	4.0	<1	1.0	211	0.20	<0.05	3.44	0.138	0.28	0.8	29
D150309		6.7	0.012	3.60	0.22	11.3	6	4.6	106.0	0.15	0.90	0.91	0.283	0.14	0.3	83
D150310		0.6	<0.002	0.01	0.08	0.2	1	<0.2	87.8	<0.05	<0.05	0.04	0.007	<0.02	0.1	1
D150311		18.6	0.003	0.52	0.15	38.6	1	3.6	142.5	0.33	0.20	0.52	1.295	0.16	0.2	219
D150312		49.7	<0.002	0.01	0.09	3.7	<1	1.0	200	0.20	<0.05	3.42	0.142	0.29	0.8	37
D150313		53.3	<0.002	<0.01	0.08	3.6	<1	1.9	219	0.19	<0.05	3.44	0.134	0.29	0.8	28
D150314		15.1	0.013	1.85	0.24	17.3	3	5.7	114.0	0.23	0.57	0.98	0.627	0.11	0.3	115
D150315		32.7	0.008	0.33	0.12	41.5	1	5.6	92.8	0.33	0.14	0.54	1.340	0.22	0.1	213

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NEW LISKEARD ON P0J 1P0

Finalized Date: 24-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238982

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	ME-MS61 Ag ppm 0.01	CRU-QC Pass2mm % 0.01	PUL-QC Pass106u % 0.01
D150301		0.6	5.8	50	78.3	0.04	93.6	98.4
D150302		7.2	28.2	326	128.0	0.78		97.1
D150303		0.7	5.6	61	79.0	0.02		
D150304		4.9	25.6	319	88.2	0.49		
D150305		0.7	5.7	71	80.4	0.02		100.0
D150306		2.6	10.7	164	46.9	0.33		99.2
D150307		13.3	36.4	190	108.5	0.24		
D150308		0.7	5.2	67	80.9	0.03		
D150309		1.9	14.7	175	58.3	1.09		
D150310		<0.1	2.4	3	1.4	0.01		
D150311		9.4	38.2	190	121.0	0.15		
D150312		0.4	5.4	40	84.5	0.02		
D150313		0.5	5.0	39	78.7	0.03		
D150314		3.5	18.9	166	79.6	0.25		
D150315		4.1	40.8	199	110.0	0.12		

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

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: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 24-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD21238982

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-32	CRU-QC	LOG-21	PUL-35a
PUL-QC	SPL-21	WEI-21	

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

Au-ICP22	ME-MS61

ALS Canada Ltd.

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 23-SEP-2021
This copy reported on 1-OCT-2021
Account: NHSYFR

CERTIFICATE TM21239007

Project: Miller Gold Project

This report is for 21 samples of Rock submitted to our lab in Timmins, ON, Canada on 7-SEP-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK2	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

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-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
ME-MS61	48 element four acid 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, General Manager, North Vancouver

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 23-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21239007

Sample Description	Method	WEI-21	Au-ICP22	Au-GRA22	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.	Au	Au	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.05	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150059		1.74	3.25		7.51	0.8	110	2.09	4.11	0.58	0.21	24.5	51.1	171	2.32	205
D150060		0.74	0.006		0.10	<0.2	10	<0.05	0.02	34.3	<0.02	0.94	0.8	2	0.06	4.6
D150061		1.92	>10.0	30.5	5.23	0.5	60	1.29	38.0	1.01	0.13	12.70	43.0	25	1.40	104.5
D150062		1.52	0.597		2.33	0.4	60	0.32	0.51	3.61	0.05	6.89	13.0	21	1.29	13.3
D150063		2.07	2.47		5.50	0.9	100	1.82	2.77	3.87	0.48	11.10	41.1	33	6.55	129.5
D150064		4.05	4.50		7.06	0.2	70	2.01	24.4	0.24	<0.02	8.92	9.8	18	0.32	35.6
D150065		1.93	1.095		2.74	0.9	20	0.48	2.03	0.33	0.09	4.06	19.2	30	0.39	46.7
D150066		3.01	1.290		2.92	0.8	30	0.54	2.51	1.27	0.13	6.71	30.1	22	0.58	63.3
D150067		1.68	1.010		4.51	2.4	30	0.54	1.02	2.55	0.17	6.21	39.6	19	0.48	47.5
D150068		1.56	0.483		3.10	1.2	10	0.28	0.67	0.56	0.06	2.80	19.5	22	0.09	22.6
D150069		1.78	0.005		6.68	0.8	90	1.25	1.11	0.29	0.18	9.10	61.0	23	0.75	216
D150070		0.12	1.465		7.63	37.6	900	2.23	2.30	2.67	0.17	56.0	17.1	62	8.39	>10000
D150071		3.06	0.757		4.67	0.9	40	0.81	1.10	1.00	0.09	5.93	36.1	22	0.40	76.1
D150072		3.42	2.65		5.46	1.0	40	0.90	2.28	0.81	0.15	6.85	43.7	28	0.39	152.5
D150073		1.63	0.405		4.00	1.3	40	0.56	0.90	1.85	0.13	4.62	26.2	16	0.24	88.4
D150074		1.75	0.656		4.81	1.2	20	0.49	0.78	3.81	0.08	6.81	42.8	36	0.18	95.0
D150075		1.77	0.200		1.98	<0.2	10	0.21	0.23	1.42	0.02	1.37	6.0	44	0.08	14.8
D150076		2.53	1.470		6.09	1.3	100	1.34	0.45	8.31	0.17	10.50	52.9	23	0.83	135.0
D150077		1.89	6.97		4.85	0.7	40	0.78	4.33	7.22	0.12	7.93	45.5	22	0.56	184.0
D150078		1.23	0.132		7.67	2.1	140	1.90	0.13	1.55	0.15	7.94	42.1	28	3.37	131.5
D150079		1.76	5.15		7.57	137.0	40	0.94	17.50	3.73	0.26	20.6	96.4	23	0.24	>10000

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 23-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21239007

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
D150059		12.85	31.5	0.12	2.1	0.099	1.83	9.7	29.4	1.12	2000	0.81	3.23	1.6	63.0	80
D150060		0.12	0.38	0.11	0.1	<0.005	0.03	1.1	1.3	0.80	80	<0.05	0.03	0.1	1.0	50
D150061		11.20	19.75	0.08	1.9	0.076	0.80	5.0	26.2	1.38	1220	0.74	2.14	1.8	22.1	290
D150062		3.27	6.73	0.05	0.7	0.017	0.43	2.7	6.7	0.64	428	0.76	1.21	0.8	9.7	380
D150063		9.48	22.6	0.07	1.1	0.078	1.60	4.4	13.0	1.40	1220	2.90	2.54	1.5	22.2	160
D150064		2.68	22.3	0.08	2.6	0.011	0.31	4.2	5.6	0.32	158	559	5.53	4.2	6.8	240
D150065		4.94	9.47	<0.05	0.6	0.042	0.23	1.5	3.2	0.10	706	13.00	1.98	0.8	10.8	70
D150066		7.15	10.80	<0.05	1.0	0.062	0.41	2.4	6.7	0.44	1160	3.18	1.81	1.3	15.3	180
D150067		7.82	12.80	0.05	0.8	0.048	0.40	2.3	4.7	0.79	1400	0.64	3.14	1.1	36.4	80
D150068		4.08	8.38	<0.05	0.4	0.014	0.12	0.9	2.0	0.10	639	0.32	2.48	0.6	19.2	440
D150069		10.60	19.00	0.06	1.0	0.072	0.83	3.2	12.2	0.34	1880	0.30	4.08	2.0	56.8	430
D150070		6.54	17.40	0.14	2.2	0.250	3.47	27.1	26.0	1.53	541	526	2.18	14.4	45.1	970
D150071		6.44	14.45	0.07	0.7	0.044	0.54	2.0	4.1	0.27	1200	0.80	3.16	1.2	34.5	340
D150072		7.74	16.45	0.08	1.0	0.053	0.62	2.4	5.6	0.20	1800	0.49	3.69	1.4	42.8	560
D150073		5.72	11.10	0.05	0.6	0.036	0.18	1.6	2.8	0.68	1060	1.16	2.96	1.0	25.4	150
D150074		7.45	13.15	<0.05	0.7	0.049	0.23	2.4	3.5	0.80	1340	0.40	3.44	1.5	37.6	450
D150075		1.65	6.18	<0.05	0.1	0.009	0.07	0.5	1.3	0.11	283	1.44	1.55	0.3	7.3	140
D150076		9.64	18.85	0.06	0.9	0.079	1.35	3.7	10.2	1.37	2100	0.18	3.35	2.4	46.7	400
D150077		8.79	14.75	0.06	1.2	0.064	0.67	2.8	9.2	1.76	1650	40.0	2.93	1.9	43.4	280
D150078		9.21	33.1	0.08	0.8	0.062	2.82	2.6	15.8	0.46	1560	0.37	1.16	1.3	42.1	310
D150079		6.83	18.30	0.09	1.5	0.878	0.43	7.1	7.9	0.65	968	25.1	5.41	2.4	22.4	550

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

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: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 23-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21239007

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
D150059		22.4	106.5	<0.002	6.01	0.26	40.7	2	1.0	32.3	0.09	6.91	1.04	0.344	0.43	0.7
D150060		0.6	1.9	<0.002	0.01	<0.05	0.4	1	<0.2	87.1	<0.05	<0.05	0.06	0.006	<0.02	0.2
D150061		21.9	48.8	<0.002	5.02	0.31	31.0	2	0.7	39.0	0.12	40.2	0.51	0.379	0.21	0.7
D150062		4.3	15.8	<0.002	1.69	0.38	8.7	<1	0.3	128.5	0.06	0.94	0.50	0.184	0.14	0.1
D150063		7.4	94.3	0.003	4.52	0.28	32.2	1	1.2	164.5	0.10	3.28	0.24	0.422	0.61	0.4
D150064		24.5	10.5	0.052	0.88	0.08	5.8	1	0.6	104.0	0.19	6.15	7.08	0.190	0.08	1.9
D150065		6.2	10.3	<0.002	1.28	0.18	14.0	1	0.3	24.2	0.05	1.73	0.21	0.168	0.05	0.2
D150066		8.7	22.0	<0.002	3.44	0.18	19.7	1	0.4	49.5	0.08	2.63	0.33	0.275	0.10	0.4
D150067		6.4	10.7	<0.002	3.72	0.16	23.3	1	0.3	65.4	0.08	2.91	0.15	0.336	0.05	0.2
D150068		3.1	3.1	<0.002	2.23	0.21	7.7	1	0.3	23.2	0.05	2.12	0.06	0.171	0.02	0.1
D150069		7.7	36.0	<0.002	3.24	0.32	32.8	1	0.6	39.9	0.13	2.31	0.24	0.559	0.17	0.3
D150070		65.0	149.5	0.394	1.16	1.56	13.4	8	5.2	387	0.97	0.47	12.25	0.409	0.76	3.6
D150071		4.8	24.2	<0.002	2.29	0.27	19.4	1	0.4	37.7	0.08	1.88	0.15	0.327	0.12	0.3
D150072		6.9	24.3	<0.002	2.64	0.31	26.0	1	0.5	38.3	0.09	3.13	0.18	0.377	0.13	0.3
D150073		4.5	5.7	<0.002	2.36	0.20	16.4	1	0.3	63.7	0.06	1.48	0.11	0.292	0.03	0.2
D150074		4.2	8.2	<0.002	3.79	0.32	22.5	1	0.5	91.6	0.09	2.72	0.16	0.413	0.04	0.2
D150075		1.7	2.3	<0.002	0.55	0.11	3.7	<1	<0.2	42.8	<0.05	0.51	0.03	0.083	<0.02	<0.1
D150076		6.8	55.8	0.002	2.93	0.37	32.3	1	0.7	256	0.15	2.70	0.22	0.627	0.26	0.3
D150077		28.1	27.4	0.004	4.11	0.33	24.9	1	0.5	171.5	0.12	4.64	0.24	0.465	0.13	0.5
D150078		3.9	137.0	<0.002	0.35	0.33	25.2	1	0.5	77.7	0.08	0.32	0.22	0.385	0.69	0.1
D150079		6.9	12.5	0.013	3.38	0.34	31.4	2	0.7	55.5	0.15	5.61	0.28	0.714	0.09	0.6

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

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www.alsglobal.com/geochemistry

To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 23-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21239007

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	ME-MS61
	Analyte	V	W	Y	Zn	Zr	Cu	Ag
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	1	0.1	0.1	2	0.5	0.001	0.01
D150059		586	16.7	10.5	151	75.3		1.09
D150060		3	0.1	3.0	3	2.2		<0.01
D150061		327	20.1	8.9	92	57.9		1.25
D150062		40	27.8	6.5	30	25.7		0.24
D150063		487	16.1	7.7	120	34.0		1.14
D150064		48	2.1	5.4	14	73.7		1.41
D150065		91	14.5	3.7	54	17.7		0.26
D150066		134	19.8	6.2	82	33.2		0.57
D150067		91	12.8	6.7	83	28.4		0.45
D150068		26	14.6	3.5	28	9.3		0.23
D150069		275	23.3	10.2	118	33.6		0.60
D150070		130	3.1	20.6	110	76.2	1.110	4.41
D150071		150	21.2	5.1	62	22.6		0.35
D150072		195	25.2	8.2	95	31.2		0.96
D150073		83	15.8	3.9	72	18.9		0.20
D150074		138	27.4	7.4	68	20.9		0.33
D150075		26	3.0	1.6	10	4.0		0.08
D150076		316	23.9	9.0	100	25.0		0.70
D150077		202	26.8	8.9	99	43.1		0.99
D150078		388	6.6	6.9	64	19.1		0.06
D150079		297	31.3	20.9	34	46.9	4.55	6.26

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

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To: NORTHSTAR GOLD CORP
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NEW LISKEARD ON P0J 1P0

Finalized Date: 23-SEP-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21239007

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

Au-GRA22	Au-ICP22	Cu-OG62	ME-MS61
ME-OG62			

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 5-OCT-2021
Account: NHSYFR

CERTIFICATE TM21251701

Project: Miller Gold Project

This report is for 12 samples of Rock submitted to our lab in Timmins, ON, Canada on 20-SEP-2021.

The following have access to data associated with this certificate:

ELISABETH RONACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
ME-MS61	48 element four acid 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, General Manager, North Vancouver

ALS Canada Ltd.
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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 5-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251701

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150080		1.10	<0.001	<0.01	0.08	<0.2	30	<0.05	<0.01	34.0	<0.02	0.85	0.9	2	<0.05	1.8
D150081		1.33	0.936	0.76	6.02	1.3	40	0.74	0.38	2.42	0.07	6.46	25.2	19	0.50	45.3
D150082		1.51	0.635	0.21	4.07	3.6	20	0.60	1.82	4.19	0.05	4.53	29.0	22	0.21	75.5
D150083		1.61	0.456	0.27	4.07	1.0	10	0.32	0.30	1.04	0.02	2.89	15.1	26	0.08	15.4
D150084		2.06	2.34	4.49	6.31	1.2	40	0.63	8.03	3.75	0.21	8.02	15.3	20	0.08	>10000
D150085		1.77	1.605	0.69	5.39	1.3	30	0.54	1.35	0.86	0.05	6.88	39.1	24	0.23	208
D150086		1.30	1.170	0.51	4.12	0.4	30	0.40	0.35	1.13	0.07	5.78	17.2	23	0.18	801
D150087		1.81	2.35	0.99	5.76	0.4	60	0.71	2.38	5.00	0.15	7.76	46.9	22	0.81	109.0
D150088		1.06	2.69	8.41	5.03	0.8	10	0.47	4.33	4.51	5.90	5.42	72.6	14	0.12	>10000
D150089		0.12	9.11	9.75	5.82	13.2	350	0.92	0.07	4.59	0.28	24.3	10.6	20	4.31	119.5
C169351		5.28	1.445	4.65	7.20	0.7	20	0.80	5.86	7.04	0.27	10.75	17.4	20	0.16	>10000
C169352		6.34	1.730	2.99	7.53	0.5	20	0.91	4.82	5.96	0.57	7.37	19.0	21	0.23	>10000

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 5-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251701

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
D150080		0.09	0.28	0.05	<0.1	<0.005	0.02	1.0	0.9	1.04	70	<0.05	0.03	0.1	1.0	70
D150081		5.41	15.20	<0.05	0.7	0.034	0.67	2.4	12.4	0.48	843	0.35	3.54	1.2	27.0	170
D150082		4.96	9.44	<0.05	0.8	0.019	0.19	1.6	4.9	0.73	869	0.40	2.50	1.3	27.2	290
D150083		3.75	11.10	<0.05	0.4	0.018	0.15	1.0	4.2	0.34	584	0.50	2.89	0.8	19.5	290
D150084		6.65	16.65	<0.05	1.5	0.994	0.40	2.3	2.0	0.13	732	2.07	5.98	2.3	14.0	610
D150085		6.84	13.55	<0.05	0.7	0.042	0.34	3.4	5.1	0.35	1220	2.31	3.68	1.2	41.4	230
D150086		4.04	9.82	<0.05	0.4	0.047	0.32	2.1	1.8	0.24	837	0.54	2.99	0.8	18.1	350
D150087		8.99	14.15	<0.05	1.0	0.043	0.31	2.8	2.2	1.33	1480	34.5	4.29	1.6	43.9	540
D150088		14.50	13.15	<0.05	0.8	1.380	0.13	1.5	2.5	0.53	533	0.52	3.61	1.4	22.3	470
D150089		3.30	11.50	<0.05	1.9	0.038	1.89	11.0	41.6	1.18	883	5.33	1.45	2.3	11.9	680
C169351		6.25	16.60	<0.05	1.5	0.788	0.20	3.4	6.5	0.79	817	1.48	5.00	2.8	21.7	510
C169352		6.07	16.20	<0.05	1.4	0.607	0.20	1.7	5.3	0.72	827	0.52	5.29	2.7	22.0	600

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 5-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251701

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
D150080		<0.5	0.5	<0.002	<0.01	<0.05	0.2	1	<0.2	88.2	<0.05	<0.05	0.05	0.005	0.02	0.1
D150081		3.1	26.0	<0.002	2.13	0.20	14.0	<1	0.4	41.4	0.07	1.60	0.14	0.317	0.14	0.1
D150082		5.3	5.1	<0.002	2.76	0.13	14.5	1	0.5	67.7	0.08	3.22	0.13	0.397	0.03	0.1
D150083		2.2	3.7	<0.002	2.08	0.18	7.7	1	0.3	31.1	<0.05	1.13	0.09	0.221	0.03	0.1
D150084		4.8	5.7	<0.002	5.55	0.30	19.3	2	0.8	47.4	0.13	4.70	0.18	0.636	0.08	0.3
D150085		6.2	12.6	<0.002	3.71	0.26	17.2	1	0.4	34.9	0.07	2.52	0.19	0.315	0.09	0.3
D150086		4.1	9.1	<0.002	0.91	0.19	10.2	<1	0.3	44.7	<0.05	1.50	0.18	0.208	0.06	0.2
D150087		8.4	11.7	0.002	4.85	0.28	23.3	2	0.6	169.5	0.09	3.51	0.18	0.459	0.09	0.3
D150088		28.7	2.2	<0.002	>10.0	0.12	12.6	5	1.3	38.6	0.08	3.31	0.15	0.381	0.04	0.2
D150089		17.2	68.8	0.002	0.46	2.27	12.0	1	0.7	361	0.13	4.51	2.67	0.295	0.55	0.7
C169351		3.8	3.6	0.004	3.27	0.15	24.3	2	0.9	53.3	0.18	3.42	0.25	0.806	0.04	0.3
C169352		4.0	3.4	0.002	3.01	0.14	19.7	2	0.9	52.1	0.16	2.86	0.23	0.809	0.04	0.3

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 5-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251701

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62
	Analyte	V	W	Y	Zn	Zr	Cu
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	1	0.1	0.1	2	0.5	0.001
D150080		1	<0.1	1.9	3	1.4	
D150081		150	13.8	5.9	36	17.4	
D150082		154	8.6	8.8	29	25.9	
D150083		37	15.4	4.0	20	13.5	
D150084		97	22.6	12.2	18	51.1	4.27
D150085		112	22.1	6.1	49	21.3	
D150086		75	10.4	4.5	38	10.5	
D150087		135	24.3	6.8	82	42.4	
D150088		65	5.2	13.4	201	22.6	12.00
D150089		108	1.9	10.0	74	66.0	
C169351		214	14.3	20.9	41	49.7	3.44
C169352		193	7.2	17.6	82	47.4	2.54

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Finalized Date: 5-OCT-2021
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Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251701

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

Au-ICP22	Cu-OG62	ME-MS61	ME-OG62

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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Finalized Date: 31-OCT-2021
Account: NHSYFR

CERTIFICATE TM21251702

Project: Miller Gold Project

This report is for 64 samples of Rock submitted to our lab in Timmins, ON, Canada on 20-SEP-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
ME-MS61	48 element four acid 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, General Manager, North Vancouver

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Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP22 Au ppm 0.001	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
D150316		3.16	0.003	0.01	8.01	0.3	360	0.56	1.03	1.29	0.03	38.2	7.3	47	0.62	6.1
D150317		2.51	0.002	0.02	7.92	0.6	270	0.71	0.23	1.21	0.06	39.3	11.3	42	0.58	29.8
D150318		2.24	0.021	0.05	7.70	0.9	370	0.89	0.17	1.22	0.11	40.9	8.3	47	1.35	35.1
D150319		2.52	6.59	1.35	2.05	1.5	70	0.40	0.82	2.44	0.26	17.15	25.0	33	0.68	201
D150320		0.12	9.46	10.20	5.72	14.4	360	1.00	0.07	4.74	0.32	25.8	12.0	20	4.82	68.7
D150321		2.19	1.285	0.52	4.76	1.3	80	0.75	0.67	4.23	0.41	18.55	55.9	19	1.12	266
D150322		2.80	0.006	0.22	7.93	0.5	340	0.74	0.07	1.90	0.12	36.8	11.5	43	0.83	26.0
D150323		2.42	0.003	0.25	8.01	0.6	290	0.76	0.03	1.28	0.15	38.0	7.6	45	0.55	11.8
D150324		2.84	0.002	0.06	7.94	0.5	330	0.76	0.03	1.13	0.04	35.0	6.9	41	0.70	5.8
D150325		2.90	0.002	0.03	8.05	0.8	400	0.86	0.02	1.60	0.09	38.2	9.5	47	1.23	15.4
D150326		2.20	0.002	0.02	8.12	0.8	350	0.81	0.06	1.95	0.21	41.2	7.2	46	1.37	4.7
D150327		2.00	5.87	1.39	4.82	2.1	210	0.61	0.44	0.90	0.51	24.9	23.9	36	1.31	344
D150328		1.80	0.043	0.15	6.13	0.7	80	0.89	0.51	5.34	0.20	20.4	47.9	12	0.74	114.0
D150329		2.55	0.005	0.01	8.25	0.4	480	0.95	0.07	2.00	0.16	41.2	8.3	41	1.58	7.3
D150330		1.11	0.002	<0.01	0.21	<0.2	30	0.15	0.02	31.5	<0.02	0.87	0.9	2	<0.05	6.0
D150331		2.74	0.144	0.05	7.66	0.7	410	1.32	0.10	2.31	0.16	39.6	7.4	43	1.73	9.0
D150332		2.38	1.710	0.44	5.80	0.8	170	0.81	0.26	3.32	0.27	26.8	24.1	26	1.15	97.0
D150333		2.97	0.006	0.03	8.14	0.4	470	0.88	0.09	1.68	0.05	40.5	8.5	39	1.51	9.8
D150334		2.74	0.005	0.01	7.78	0.4	490	0.90	0.09	2.67	0.05	37.9	10.4	45	1.98	15.6
D150335		2.95	0.003	0.03	8.24	0.6	460	1.42	0.09	2.34	0.08	39.9	11.1	43	2.48	24.1
D150336		2.46	0.044	0.25	4.46	1.0	100	0.47	0.52	4.06	0.29	16.30	44.5	20	1.66	304
D150337		1.60	0.002	0.21	7.99	0.2	410	0.85	0.07	1.77	0.12	37.4	18.4	47	1.37	57.3
D150338		1.91	0.002	0.18	8.10	0.3	490	0.93	0.05	2.06	0.12	38.9	9.7	43	1.75	14.1
D150339		1.72	0.001	0.14	7.90	0.7	330	0.94	0.10	1.60	0.16	43.9	14.9	39	1.55	37.4
D150340		0.12	1.450	4.39	7.24	37.4	840	2.42	2.29	2.66	0.21	54.1	16.2	60	8.91	>10000
D150341		0.39	0.001	0.16	8.17	0.2	400	1.41	0.13	2.21	0.14	39.9	13.4	40	1.99	31.0
D150342		0.91	0.001	0.52	7.96	0.3	450	1.53	0.18	2.38	0.27	42.0	43.6	41	2.33	162.0
D150343		2.01	0.734	0.40	3.93	0.9	60	0.49	0.55	2.17	0.46	22.5	32.6	29	1.76	306
D150344		1.84	0.002	0.17	7.02	0.6	120	0.82	0.30	5.21	0.34	18.90	56.7	12	0.51	111.0
D150345		3.27	0.001	0.01	8.33	<0.2	460	0.84	0.06	2.01	0.07	40.8	8.1	42	1.69	6.8
D150346		4.00	<0.001	0.02	8.56	<0.2	470	0.99	0.05	1.74	0.07	41.8	8.1	41	1.75	5.1
D150347		2.46	<0.001	0.04	7.99	0.2	260	0.84	0.03	1.41	0.10	41.6	17.7	49	0.86	62.0
D150348		1.01	0.001	0.02	8.10	0.6	290	0.84	0.05	1.76	0.11	40.0	8.6	47	1.37	14.0
D150349		2.87	0.798	0.46	4.27	0.8	60	0.29	0.64	1.51	0.78	11.15	36.0	26	1.51	317
D150350		1.22	0.002	<0.01	0.09	<0.2	20	0.05	0.03	32.9	<0.02	0.91	1.1	2	<0.05	4.4
D150351		2.31	0.004	0.11	5.84	0.3	80	0.68	0.21	4.96	0.23	27.6	44.0	9	0.57	54.1
D150352		2.96	0.001	0.03	8.46	<0.2	390	0.85	0.07	1.79	0.06	38.9	8.2	48	1.56	10.8
D150353		2.78	<0.001	0.03	8.23	<0.2	370	0.87	0.07	1.66	0.04	41.1	10.1	45	1.48	13.1
D150354		3.79	0.001	0.04	7.76	0.8	210	0.73	0.10	1.56	0.10	38.3	12.1	49	0.96	27.1
D150355		2.83	0.031	0.56	3.24	1.2	50	0.34	1.59	2.62	0.95	16.95	49.0	38	1.65	512

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Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

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
D150316		2.26	16.00	0.12	2.2	0.012	1.50	20.2	16.5	0.84	418	0.59	4.50	3.1	17.5	530
D150317		2.18	16.55	0.12	2.2	0.009	1.29	19.9	19.7	0.85	428	0.92	4.58	3.2	20.5	510
D150318		3.59	17.95	0.12	2.3	0.021	1.65	20.6	23.9	0.90	507	8.56	3.19	3.4	18.0	590
D150319		6.40	10.35	0.08	0.7	0.235	0.13	7.2	8.1	0.81	886	16.30	0.19	1.3	25.2	300
D150320		3.34	12.70	0.11	1.9	0.045	1.90	12.4	46.9	1.21	861	5.64	1.45	2.6	12.9	670
D150321		13.55	20.3	0.11	2.2	0.224	0.23	7.6	11.1	1.65	2030	8.09	1.04	4.2	24.3	640
D150322		2.19	16.15	0.10	2.0	0.011	1.49	19.1	16.1	0.81	432	0.92	3.72	3.0	17.8	490
D150323		2.17	16.45	0.09	2.2	0.012	0.93	20.1	12.0	0.78	420	0.78	4.73	3.2	17.5	510
D150324		2.10	16.10	0.11	2.2	0.013	1.08	18.2	16.6	0.78	385	0.92	4.44	3.1	16.4	520
D150325		2.42	17.65	0.11	2.2	0.012	1.67	19.5	25.3	0.90	472	1.60	3.59	3.3	21.3	540
D150326		2.46	16.90	0.11	2.1	0.008	1.70	21.9	23.0	0.92	495	2.52	3.46	3.1	17.4	520
D150327		7.56	14.00	0.11	1.7	0.200	0.99	12.7	25.1	1.04	673	21.1	1.17	2.5	41.3	410
D150328		13.65	24.1	0.12	2.4	0.157	0.29	7.4	12.5	1.98	2000	4.09	1.55	5.5	13.7	830
D150329		2.56	17.00	0.12	2.1	0.011	2.41	21.8	29.3	0.98	506	3.79	2.65	3.1	18.9	530
D150330		0.17	0.72	0.06	0.1	0.005	0.06	1.0	1.8	1.82	75	0.08	0.10	0.3	0.6	70
D150331		2.67	16.95	0.11	2.1	0.014	2.14	20.1	24.3	0.87	577	7.86	2.25	2.9	16.9	510
D150332		9.75	20.3	0.09	2.0	0.123	0.66	13.3	20.6	1.49	1100	8.62	1.38	3.2	21.5	620
D150333		2.25	17.10	0.11	2.1	0.011	2.69	20.7	23.0	0.91	449	0.96	2.37	3.0	18.3	530
D150334		2.49	16.75	0.13	2.2	0.008	2.86	19.3	26.0	0.92	517	4.27	1.37	3.1	18.1	500
D150335		2.60	18.15	0.12	2.2	0.019	2.32	20.2	26.6	0.94	648	6.64	2.47	3.1	16.7	550
D150336		11.55	17.20	0.10	1.9	0.163	0.26	6.6	11.1	1.50	1520	16.10	1.02	3.5	31.8	600
D150337		2.41	16.75	0.11	2.1	0.013	2.47	19.1	23.7	0.93	452	1.29	2.32	3.0	20.1	520
D150338		2.36	16.60	0.13	2.3	0.011	2.78	19.8	27.2	0.94	475	1.75	2.05	3.1	18.4	550
D150339		2.27	16.85	0.12	2.1	0.009	1.62	22.9	26.6	0.93	506	1.59	3.48	3.1	19.3	530
D150340		6.17	17.65	0.18	2.3	0.258	3.26	28.3	28.1	1.44	495	491	2.06	15.5	46.1	940
D150341		2.40	17.85	0.11	2.1	0.019	2.29	20.0	24.7	0.81	629	10.40	2.27	3.2	17.5	550
D150342		3.08	16.60	0.11	2.2	0.020	2.28	21.7	23.1	0.86	677	9.72	1.61	3.1	19.1	580
D150343		9.72	15.35	0.09	2.1	0.178	0.28	10.2	17.4	1.33	1010	11.00	0.65	3.6	33.0	540
D150344		13.40	25.0	0.08	2.8	0.124	0.30	6.7	9.1	2.00	2100	1.76	2.31	5.4	10.4	910
D150345		2.27	17.15	0.11	2.1	0.010	2.55	20.7	23.5	0.88	475	0.59	2.40	2.9	17.9	550
D150346		2.39	17.00	0.10	2.1	0.011	2.72	21.1	26.1	0.93	482	1.49	2.09	3.0	18.2	570
D150347		2.20	15.35	0.09	2.1	0.013	1.19	21.2	18.6	0.87	493	0.84	4.19	2.9	22.3	530
D150348		2.75	15.65	0.11	2.0	0.016	1.22	20.1	19.1	0.86	545	2.47	3.71	2.9	17.6	520
D150349		12.65	18.55	0.09	1.3	0.208	0.26	4.9	26.0	1.57	1010	11.70	0.29	2.3	49.0	330
D150350		0.20	0.28	<0.05	<0.1	<0.005	0.02	1.1	1.0	0.96	78	0.13	0.03	0.1	0.5	70
D150351		13.10	23.2	0.09	2.9	0.154	0.30	11.1	15.5	2.04	1870	6.19	0.95	5.7	11.5	760
D150352		2.41	17.15	0.11	2.1	0.010	2.14	18.9	22.3	0.93	471	0.97	2.99	3.0	18.7	540
D150353		2.30	16.90	0.12	2.2	0.012	1.98	20.4	21.4	0.92	500	3.92	3.02	3.0	18.8	540
D150354		2.83	15.35	0.09	2.0	0.018	0.98	18.9	17.3	0.89	553	0.87	4.12	2.9	18.6	500
D150355		10.00	14.35	0.08	1.4	0.263	0.20	7.9	11.5	1.06	1080	9.24	0.41	2.5	38.2	440

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

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
D150316		3.3	47.7	<0.002	0.02	<0.05	3.9	1	0.6	216	0.20	<0.05	3.74	0.141	0.28	0.8
D150317		3.5	43.4	<0.002	0.01	<0.05	4.0	1	5.4	190.0	0.21	<0.05	3.84	0.139	0.22	0.8
D150318		3.9	57.0	0.002	0.07	0.07	4.6	<1	4.3	126.0	0.22	<0.05	4.21	0.153	0.30	0.9
D150319		9.2	5.0	0.008	1.01	0.11	6.4	3	8.4	117.0	0.09	0.26	0.90	0.046	0.09	0.3
D150320		18.2	69.9	<0.002	0.44	2.20	13.4	1	0.8	347	0.14	4.47	2.79	0.293	0.60	0.8
D150321		7.5	9.8	0.013	1.92	0.10	22.6	4	2.7	88.1	0.25	0.47	0.93	0.729	0.11	0.3
D150322		3.8	45.6	<0.002	0.01	0.05	4.0	1	5.2	266	0.20	<0.05	3.59	0.135	0.22	0.8
D150323		3.4	29.8	<0.002	0.03	<0.05	3.9	1	1.6	288	0.21	<0.05	3.83	0.139	0.15	0.8
D150324		3.4	34.7	<0.002	0.01	<0.05	4.0	1	0.7	241	0.21	<0.05	3.81	0.138	0.18	0.8
D150325		5.6	56.3	<0.002	0.01	0.05	4.5	1	2.6	250	0.21	<0.05	3.79	0.147	0.28	0.8
D150326		7.4	53.3	<0.002	0.01	<0.05	4.1	1	0.5	171.0	0.21	<0.05	3.67	0.136	0.26	0.8
D150327		7.1	34.7	0.013	1.19	0.11	6.5	3	4.5	66.9	0.16	0.53	1.98	0.205	0.23	0.5
D150328		4.0	10.5	0.004	0.76	0.06	34.5	2	3.9	115.5	0.32	0.25	0.77	1.145	0.09	0.2
D150329		6.5	76.9	<0.002	0.01	<0.05	4.3	1	0.9	192.0	0.20	<0.05	3.78	0.139	0.38	0.8
D150330		0.5	1.6	<0.002	0.04	0.09	0.2	2	<0.2	80.8	0.06	<0.05	0.13	0.006	<0.02	0.4
D150331		6.2	70.1	0.004	0.03	<0.05	3.9	1	0.8	139.0	0.20	<0.05	3.51	0.129	0.35	0.8
D150332		4.3	24.0	0.007	0.59	0.06	13.7	1	4.8	126.5	0.22	0.14	1.94	0.441	0.17	0.4
D150333		4.2	87.3	<0.002	0.01	<0.05	4.1	1	1.3	185.5	0.20	<0.05	3.81	0.140	0.41	0.8
D150334		4.4	84.2	0.002	<0.01	<0.05	4.0	1	3.5	162.5	0.21	<0.05	3.44	0.135	0.47	0.7
D150335		5.8	75.2	0.002	0.01	0.06	4.2	1	5.5	140.5	0.20	<0.05	3.65	0.139	0.47	0.8
D150336		9.6	12.2	0.009	1.81	0.09	20.8	3	3.0	128.0	0.22	0.40	0.72	0.653	0.31	0.2
D150337		3.7	80.2	<0.002	0.01	<0.05	4.6	1	12.0	191.5	0.21	<0.05	3.59	0.146	0.39	0.8
D150338		4.9	86.4	<0.002	0.01	<0.05	4.0	1	2.5	169.5	0.22	<0.05	3.75	0.140	0.46	0.8
D150339		6.4	54.8	<0.002	0.01	<0.05	4.1	1	8.8	172.0	0.21	<0.05	3.77	0.135	0.29	0.8
D150340		64.1	152.5	0.387	1.12	1.65	13.1	8	5.5	367	1.05	0.47	12.40	0.410	0.74	3.6
D150341		4.5	73.1	0.006	0.01	<0.05	4.5	<1	8.0	125.0	0.22	<0.05	3.56	0.136	0.41	0.8
D150342		4.3	73.6	0.008	0.02	<0.05	4.4	<1	41.3	112.5	0.22	<0.05	3.82	0.134	0.46	0.8
D150343		7.1	13.3	0.009	1.31	0.09	15.2	2	4.3	84.2	0.23	0.43	1.74	0.417	0.16	0.4
D150344		5.2	7.5	0.002	0.53	0.06	39.7	1	11.5	128.5	0.33	0.14	0.53	1.320	0.08	0.1
D150345		3.1	87.3	<0.002	0.01	0.05	4.2	<1	0.7	215	0.21	<0.05	3.64	0.132	0.44	0.8
D150346		3.4	88.8	<0.002	<0.01	<0.05	4.4	<1	0.7	169.0	0.21	<0.05	3.81	0.137	0.44	0.9
D150347		3.8	40.7	<0.002	0.01	<0.05	4.1	<1	12.1	197.0	0.20	<0.05	3.55	0.127	0.22	0.8
D150348		4.2	42.0	<0.002	0.03	<0.05	4.0	<1	2.5	142.5	0.19	<0.05	3.62	0.127	0.23	0.8
D150349		6.4	11.8	0.011	2.11	0.07	10.6	3	3.6	61.2	0.14	0.71	0.76	0.262	0.11	0.2
D150350		<0.5	0.5	<0.002	0.03	<0.05	0.2	1	0.2	83.1	<0.05	<0.05	0.07	0.007	<0.02	0.1
D150351		3.1	11.9	0.004	0.33	0.05	33.5	1	4.5	105.5	0.39	0.12	1.64	1.010	0.11	0.5
D150352		3.0	73.7	<0.002	0.01	0.06	4.4	<1	0.9	221	0.21	<0.05	3.72	0.134	0.36	0.9
D150353		3.8	71.7	0.003	0.01	<0.05	4.2	<1	2.7	185.5	0.22	<0.05	3.56	0.132	0.35	0.8
D150354		4.8	34.8	<0.002	0.03	<0.05	4.1	<1	6.1	164.5	0.20	<0.05	3.43	0.125	0.18	0.7
D150355		8.1	9.5	0.007	2.27	0.08	10.0	3	5.9	95.9	0.15	0.88	1.01	0.302	0.15	0.3

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62
	Analyte	V	W	Y	Zn	Zr	Cu
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	1	0.1	0.1	2	0.5	0.001
D150316		34	0.4	5.4	39	82.3	
D150317		30	0.4	5.4	40	85.2	
D150318		37	1.1	6.6	71	87.5	
D150319		45	0.6	12.6	140	25.3	
D150320		106	1.8	11.3	73	71.3	
D150321		138	6.9	26.7	233	80.3	
D150322		28	0.4	5.1	46	77.7	
D150323		28	0.5	5.2	41	84.2	
D150324		28	0.3	4.9	38	83.9	
D150325		31	0.5	5.2	52	83.1	
D150326		29	0.5	5.5	72	81.8	
D150327		57	1.7	8.2	182	61.7	
D150328		194	4.8	37.0	183	85.1	
D150329		30	0.5	5.6	66	80.3	
D150330		2	0.1	2.4	5	2.4	
D150331		31	0.8	5.4	66	77.2	
D150332		100	5.8	15.2	183	79.6	
D150333		29	0.4	5.1	47	80.3	
D150334		29	0.7	5.2	53	78.7	
D150335		31	0.5	5.6	69	81.5	
D150336		119	3.6	23.7	211	71.1	
D150337		33	0.5	5.2	51	79.6	
D150338		29	0.4	5.1	56	81.1	
D150339		28	0.4	5.4	59	83.5	
D150340		121	2.9	21.6	102	78.3	1.040
D150341		32	0.8	5.7	60	80.9	
D150342		32	1.0	6.0	69	78.0	
D150343		96	16.4	15.3	248	74.9	
D150344		239	3.1	37.5	213	118.0	
D150345		30	0.4	5.1	45	82.5	
D150346		31	0.5	5.2	51	78.1	
D150347		29	0.5	5.1	57	79.1	
D150348		30	0.6	5.0	76	75.9	
D150349		106	2.9	8.5	306	49.4	
D150350		2	0.1	2.1	3	1.6	
D150351		195	5.2	35.0	248	99.6	
D150352		30	0.6	5.3	43	79.3	
D150353		30	0.7	5.5	49	80.4	
D150354		37	0.6	5.2	67	74.8	
D150355		99	5.2	11.4	344	53.3	

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NEW LISKEARD ON P0J 1P0

Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150356		3.90	0.008	0.17	5.77	0.8	70	0.71	0.56	4.54	0.41	22.1	40.5	13	1.52	101.5
D150357		4.36	0.176	2.08	3.45	1.2	40	0.45	2.31	1.67	2.20	17.50	62.1	32	2.00	1165
D150358		3.19	<0.001	0.07	8.30	2.3	600	1.14	0.05	1.78	0.18	37.8	8.0	70	2.39	9.8
D150359		2.25	0.004	0.21	6.31	0.7	80	0.62	0.26	4.20	0.28	20.9	44.3	8	0.90	103.0
D150360		0.12	0.188	1.40	7.79	50.1	1090	2.58	1.85	1.74	0.70	75.2	7.9	45	11.35	5990
D150361		2.21	0.001	0.27	6.55	0.7	70	0.77	0.54	4.43	0.20	16.65	51.4	7	1.37	96.8
D150362		3.19	0.001	0.05	8.00	0.6	610	0.93	0.09	1.84	0.09	36.5	7.8	36	2.42	15.1
D150363		2.71	0.068	0.49	3.16	2.3	30	0.72	0.57	1.62	0.41	18.65	23.0	30	2.66	223
D150364		3.57	0.001	0.22	6.70	0.8	80	0.83	0.38	4.75	0.22	17.75	48.6	3	0.79	88.7
D150365		2.52	0.001	0.11	6.58	0.8	120	0.89	0.28	4.58	0.23	24.2	34.9	4	0.65	43.9
D150366		3.14	0.001	0.05	8.30	0.5	940	1.91	0.05	1.43	0.05	51.4	7.8	36	1.04	7.8
D150367		3.83	0.002	0.07	8.30	0.2	760	1.94	0.07	1.56	0.04	54.4	7.6	36	0.91	11.4
D150368		4.11	0.002	0.08	6.52	0.8	150	1.03	0.28	4.98	0.18	14.30	45.4	46	1.40	186.0
D150369		4.43	0.001	0.11	6.48	1.0	110	0.55	0.34	5.63	0.21	11.60	50.3	46	1.90	190.0
D150370		1.21	0.001	<0.01	0.07	0.7	20	0.05	0.02	32.7	<0.02	1.09	0.8	3	<0.05	3.3
D150371		3.89	0.001	0.09	6.28	0.6	230	0.61	0.34	5.23	0.24	10.75	47.4	44	1.09	153.5
D150372		4.02	0.002	0.25	7.67	0.5	500	1.66	0.45	3.50	0.20	37.3	19.4	20	0.67	123.0
D150373		4.91	0.001	0.13	8.21	0.4	1110	1.81	0.10	1.17	0.06	56.5	9.5	34	1.11	17.0
D150374		3.96	0.002	0.21	5.96	2.3	130	0.67	0.48	4.03	0.13	23.8	32.9	12	0.95	222
D150375		4.15	0.001	0.07	6.76	0.9	100	0.84	0.18	4.60	0.11	23.8	38.2	12	0.41	91.6
D150376		4.25	0.001	0.14	6.71	0.9	120	0.64	0.31	5.29	0.18	19.40	45.7	20	0.56	292
D150377		5.20	0.001	0.12	6.69	0.5	90	0.65	0.30	5.48	0.19	15.05	45.4	34	1.20	230
D150378		3.39	0.005	0.27	6.01	1.3	170	0.66	1.05	3.29	0.13	24.7	32.7	6	0.91	151.0
D150379		3.69	0.003	0.16	7.44	0.9	240	1.00	1.09	3.25	0.10	34.7	31.2	12	0.85	54.9

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

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
D150356		13.25	22.7	0.09	3.2	0.176	0.29	8.6	13.6	1.74	1720	8.26	1.23	5.9	13.7	740
D150357		15.85	16.25	0.09	1.6	0.640	0.17	7.5	14.7	1.11	956	8.96	0.33	2.6	123.0	430
D150358		2.57	17.25	0.10	2.0	0.018	3.45	18.6	28.4	0.93	612	0.82	1.51	3.0	20.8	500
D150359		12.85	24.4	0.09	2.8	0.123	0.41	7.7	13.9	2.06	1890	1.22	1.58	5.5	10.0	820
D150360		3.09	20.9	0.16	2.0	0.161	3.15	35.8	47.8	0.69	341	110.0	2.09	13.4	16.2	870
D150361		14.00	25.3	0.10	2.1	0.119	0.24	5.6	12.2	2.10	1860	2.41	1.89	5.1	10.4	820
D150362		3.19	17.65	0.10	2.1	0.034	2.96	17.7	24.1	0.95	654	1.37	1.98	3.1	16.6	520
D150363		14.45	15.30	0.09	2.1	0.300	0.14	8.1	17.5	1.37	1660	4.02	0.13	3.4	34.3	470
D150364		13.90	26.8	0.09	2.3	0.129	0.24	6.1	14.5	2.06	1950	2.09	1.70	5.7	8.8	860
D150365		13.00	28.3	0.09	3.2	0.149	0.41	8.4	12.8	1.83	2560	1.91	1.92	7.1	1.7	1140
D150366		2.41	22.0	0.09	4.0	0.014	1.06	24.8	15.2	0.76	358	0.24	4.92	7.4	13.8	850
D150367		2.23	21.9	0.10	3.8	0.012	0.81	27.2	13.7	0.69	286	0.30	5.18	6.9	13.8	780
D150368		10.60	21.4	0.09	1.9	0.083	0.60	5.6	18.9	2.42	1620	4.73	1.58	3.6	40.1	550
D150369		11.10	22.1	0.07	1.8	0.090	0.65	4.3	16.8	2.55	1630	8.16	1.51	3.4	43.5	520
D150370		0.15	0.25	<0.05	<0.1	<0.005	0.01	1.3	0.8	0.71	69	0.10	0.04	0.1	0.3	60
D150371		10.85	20.2	0.06	1.5	0.086	0.91	3.8	15.8	2.63	1680	7.88	1.71	3.3	42.7	500
D150372		7.48	24.6	0.09	3.6	0.084	0.73	16.9	14.8	1.13	1310	2.36	3.06	7.7	7.4	970
D150373		2.91	22.2	0.09	3.7	0.022	1.36	26.8	11.8	0.80	486	0.55	4.54	6.8	12.5	850
D150374		11.65	23.2	0.09	3.0	0.118	0.51	8.5	17.5	1.71	1820	1.20	1.54	5.9	6.3	960
D150375		13.50	28.2	0.09	3.6	0.148	0.33	8.3	11.2	1.69	2230	0.86	2.24	7.7	1.8	1180
D150376		12.80	24.6	0.09	2.6	0.116	0.50	6.5	13.2	2.21	2020	1.78	1.92	5.2	20.3	830
D150377		12.00	23.1	0.07	2.1	0.102	0.58	5.1	16.7	2.49	1820	0.99	1.89	4.4	32.8	680
D150378		11.65	23.2	0.10	3.1	0.127	0.56	9.7	20.2	1.94	1840	1.37	1.47	6.7	3.3	1020
D150379		11.45	25.1	0.12	4.1	0.123	0.63	14.6	19.9	1.93	1960	0.64	2.59	7.5	5.4	1110

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

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

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
D150356		4.7	12.9	0.005	0.65	0.05	30.0	1	2.9	105.5	0.39	0.27	1.57	0.977	0.13	0.5
D150357		27.9	9.9	0.011	6.57	0.13	8.8	11	3.2	100.0	0.19	2.93	1.25	0.189	0.23	0.4
D150358		5.8	127.0	<0.002	0.02	0.06	5.2	<1	1.2	136.0	0.20	<0.05	3.52	0.138	0.63	0.8
D150359		5.4	16.5	0.002	0.76	0.05	35.3	1	2.6	102.0	0.36	0.24	1.12	1.100	0.15	0.3
D150360		38.2	171.0	0.090	0.74	5.26	8.8	4	5.0	222	1.10	0.70	14.55	0.341	0.91	3.9
D150361		7.5	10.5	0.003	0.98	0.07	39.1	2	4.2	241	0.32	0.25	0.46	1.270	0.11	0.1
D150362		9.1	107.5	<0.002	0.07	0.06	5.1	1	0.7	144.5	0.21	<0.05	3.45	0.152	0.57	0.8
D150363		12.7	11.5	0.004	1.45	0.07	11.3	4	3.7	50.3	0.25	0.58	1.85	0.331	0.15	0.5
D150364		6.6	9.7	0.002	0.89	0.06	41.5	1	2.1	134.0	0.32	0.26	0.48	1.260	0.10	0.1
D150365		6.3	19.4	0.002	0.71	0.07	36.7	1	1.6	119.5	0.42	0.28	0.62	1.205	0.16	0.2
D150366		9.5	46.5	<0.002	0.07	0.05	4.8	1	0.4	521	0.38	0.07	5.22	0.241	0.23	1.9
D150367		8.7	35.6	<0.002	0.16	<0.05	4.6	<1	0.7	547	0.36	0.12	5.30	0.223	0.19	1.8
D150368		6.3	35.1	0.006	0.48	0.10	34.0	1	1.2	209	0.21	0.12	0.59	0.831	0.22	0.2
D150369		7.9	37.3	0.006	0.45	0.07	37.6	1	1.1	212	0.19	0.12	0.26	0.854	0.27	0.1
D150370		<0.5	0.4	<0.002	0.01	<0.05	0.3	1	<0.2	94.0	<0.05	<0.05	0.06	0.006	<0.02	0.1
D150371		6.8	44.0	0.005	0.40	0.08	35.1	1	1.1	177.0	0.18	0.10	0.28	0.843	0.30	0.1
D150372		10.7	31.2	<0.002	1.13	0.07	19.7	2	1.9	371	0.39	0.33	3.38	0.664	0.18	1.2
D150373		9.3	62.4	<0.002	0.16	<0.05	6.6	1	0.5	557	0.40	0.10	5.34	0.296	0.30	1.9
D150374		6.3	24.2	0.002	1.53	0.11	31.9	3	1.4	120.5	0.36	0.41	0.54	1.005	0.23	0.2
D150375		2.8	12.3	<0.002	0.52	0.10	36.9	1	1.2	125.5	0.43	0.12	0.66	1.190	0.09	0.2
D150376		5.9	20.8	<0.002	0.92	0.13	39.7	1	1.4	180.5	0.32	0.26	0.46	1.095	0.14	0.1
D150377		6.1	28.6	0.003	0.55	0.06	37.6	1	1.1	151.0	0.26	0.14	0.39	0.977	0.21	0.1
D150378		7.7	28.1	0.002	1.70	0.07	33.0	3	2.4	134.5	0.38	0.57	0.89	1.035	0.17	0.3
D150379		6.6	27.9	<0.002	0.97	0.06	30.8	2	1.8	266	0.42	0.32	2.14	1.025	0.15	0.7

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 31-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21251702

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62
	Analyte	V	W	Y	Zn	Zr	Cu
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	1	0.1	0.1	2	0.5	0.001
D150356		168	9.5	31.4	280	113.5	
D150357		80	8.4	12.0	605	59.9	
D150358		32	1.0	5.5	69	78.3	
D150359		203	1.6	35.4	179	105.5	
D150360		65	14.6	16.6	152	65.8	
D150361		258	3.7	34.0	165	72.1	
D150362		32	0.9	6.5	64	79.4	
D150363		96	6.5	14.5	246	76.5	
D150364		230	2.2	37.4	211	84.5	
D150365		87	1.6	46.5	171	114.5	
D150366		47	5.6	8.8	47	153.0	
D150367		45	5.4	8.4	38	148.0	
D150368		272	1.5	24.0	124	55.1	
D150369		300	0.9	25.3	125	48.1	
D150370		4	<0.1	2.2	2	1.5	
D150371		293	1.0	24.0	135	58.0	
D150372		70	2.7	27.1	108	131.0	
D150373		48	1.4	12.0	53	146.0	
D150374		111	2.1	39.7	133	95.6	
D150375		85	1.5	49.1	161	133.0	
D150376		241	1.7	36.8	136	88.7	
D150377		259	1.1	31.1	126	71.9	
D150378		93	2.1	40.7	138	122.0	
D150379		105	1.7	38.1	145	143.5	

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CERTIFICATE OF ANALYSIS TM21251702

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

Au-ICP22	Cu-OG62	ME-MS61	ME-OG62

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 14-OCT-2021
Account: NHSYFR

CERTIFICATE TM21260394

Project: Miller Gold Project

This report is for 11 samples of Rock submitted to our lab in Timmins, ON, Canada on 27-SEP-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

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	

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, General Manager, North Vancouver

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CERTIFICATE OF ANALYSIS TM21260394

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150090		0.13	0.172	1.37	7.59	48.2	1070	2.77	1.63	1.76	0.79	73.9	8.1	45	10.80	6230
D150091		2.23	0.064	0.56	8.89	1.1	80	0.56	1.23	0.24	<0.02	5.49	8.2	34	0.08	220
D150092		1.43	0.001	0.57	3.32	3.8	140	0.23	0.65	1.85	1.09	9.84	19.8	22	2.08	257
D150093		1.29	>10.0	16.20	0.04	<0.2	10	<0.05	63.1	0.02	0.05	0.19	1.7	42	<0.05	80.2
D150094		1.61		7.39	0.57	0.3	30	0.10	110.0	0.04	0.04	1.13	3.7	44	0.13	37.6
D150095		1.86	0.973	0.41	2.73	0.4	40	0.33	1.11	0.91	0.08	4.90	22.5	36	0.14	83.6
D150096		2.04	0.425	0.16	1.41	<0.2	10	0.14	0.39	0.89	0.04	2.59	11.5	51	0.08	19.7
D150097		1.72	>10.0	1.75	5.65	14.5	260	1.55	1.12	4.38	0.10	18.10	35.9	9	0.62	54.4
D150098		2.07	0.851	0.30	0.46	<0.2	10	0.05	1.65	0.03	0.02	0.43	1.2	39	0.16	4.7
D150099		2.76	1.515	0.58	2.62	0.7	210	1.03	2.67	0.82	0.05	20.4	9.6	31	0.35	13.0
D150100		1.40	0.010	0.01	0.05	<0.2	20	<0.05	0.03	35.4	<0.02	0.90	0.6	1	<0.05	1.5

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Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21260394

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
D150090		3.06	20.7	0.26	2.0	0.156	3.08	35.2	52.7	0.68	340	112.5	2.07	13.1	16.9	840
D150091		2.54	17.20	0.21	1.9	0.027	0.19	2.3	2.8	0.19	109	283	7.79	2.3	9.8	570
D150092		7.37	17.65	0.12	2.1	0.559	0.60	4.1	16.9	0.76	682	14.40	0.33	3.7	23.1	370
D150093		0.78	0.26	<0.05	<0.1	<0.005	0.01	<0.5	<0.2	0.01	55	0.95	0.02	0.2	3.1	10
D150094		1.18	2.22	<0.05	0.1	0.010	0.13	0.5	0.7	0.02	102	0.56	0.26	0.3	5.9	10
D150095		4.18	8.91	0.06	0.7	0.030	0.20	1.9	0.8	0.23	733	0.50	1.96	1.2	18.4	20
D150096		2.31	3.96	<0.05	0.4	0.015	0.08	1.0	0.4	0.23	419	0.52	1.04	0.6	10.9	30
D150097		10.80	19.40	0.10	2.3	0.087	0.81	5.9	8.2	1.11	2210	0.59	3.53	4.2	3.3	730
D150098		0.83	1.49	<0.05	0.1	<0.005	0.05	<0.5	0.8	0.01	71	0.42	0.31	0.3	2.5	30
D150099		2.60	7.14	<0.05	1.1	0.015	0.47	9.0	13.2	0.24	499	0.55	1.46	1.3	5.8	510
D150100		0.08	0.20	0.10	<0.1	<0.005	0.01	1.1	0.6	0.80	66	0.08	0.03	0.1	0.5	60

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Finalized Date: 14-OCT-2021
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Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21260394

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
D150090		39.4	166.5	0.090	0.74	5.37	8.6	4	4.7	217	1.01	0.71	13.65	0.342	0.83	3.9
D150091		12.1	3.5	0.171	0.60	0.09	2.2	2	0.2	188.5	0.13	0.99	3.11	0.090	0.03	0.7
D150092		9.7	31.8	0.009	1.83	0.14	9.6	4	6.7	42.4	0.24	0.71	0.99	0.303	0.21	0.3
D150093		25.8	0.3	<0.002	0.27	0.12	0.1	<1	0.2	6.5	<0.05	71.1	0.02	<0.005	0.03	<0.1
D150094		35.6	5.6	<0.002	0.43	0.14	2.2	1	0.2	9.4	<0.05	141.0	0.06	0.054	0.05	0.1
D150095		6.0	8.4	<0.002	2.01	0.22	13.0	1	0.4	63.7	0.06	1.38	0.17	0.282	0.06	0.3
D150096		2.1	3.5	<0.002	1.02	0.18	5.8	<1	0.3	54.7	<0.05	0.59	0.08	0.151	0.04	0.2
D150097		33.6	34.1	<0.002	7.63	0.40	28.6	1	1.1	384	0.23	25.3	0.42	0.834	0.17	0.3
D150098		5.2	2.6	<0.002	0.08	0.10	0.9	<1	<0.2	3.9	<0.05	6.19	0.03	0.046	0.03	<0.1
D150099		32.6	23.3	<0.002	1.41	0.19	4.1	1	0.4	152.0	0.08	18.70	1.28	0.108	0.11	0.4
D150100		0.6	0.3	<0.002	<0.01	<0.05	0.2	1	<0.2	94.0	<0.05	0.07	0.05	<0.005	<0.02	0.1

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 14-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21260394

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-GRA22
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	1	0.1	0.1	2	0.5	0.05
D150090		62	9.0	16.3	158	66.8	
D150091		13	1.8	4.7	10	76.9	
D150092		91	96.1	8.7	288	79.6	
D150093		1	1.1	0.1	3	0.6	57.3
D150094		43	2.1	0.7	9	4.4	103.0
D150095		78	8.2	3.7	47	24.3	
D150096		32	4.3	1.8	21	12.8	
D150097		168	31.5	10.7	106	89.4	16.25
D150098		9	2.2	0.6	3	3.5	
D150099		80	11.0	5.3	22	45.1	
D150100		1	0.1	2.0	<2	1.1	

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

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 14-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21260394

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

Au-GRA22	Au-ICP22	ME-MS61	

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 22-OCT-2021
Account: NHSYFR

CERTIFICATE TM21268064

Project: Miller Gold Project

This report is for 6 samples of Rock submitted to our lab in Timmins, ON, Canada on 4-OCT-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
CRU-32	Fine Crushing 90% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

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	

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, General Manager, North Vancouver

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 22-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268064

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150401		2.39	1.375	1.02	0.67	3.8	20	0.18	1.46	0.08	0.18	4.32	30.4	33	0.24	246
D150402		2.04	1.305	0.86	2.24	0.6	30	0.36	0.57	0.27	0.08	4.48	16.4	44	0.41	31.3
D150403		1.69	2.11	0.27	2.12	0.2	30	0.24	2.58	0.92	0.06	4.07	8.2	67	0.57	27.1
D150404		2.03	>10.0	0.74	1.22	0.4	10	0.16	22.6	0.02	<0.02	1.24	2.2	51	0.25	17.4
D150405		1.24	0.017	0.01	0.15	<0.2	30	0.09	0.16	34.1	0.02	0.87	0.7	2	<0.05	3.2
D150406		0.13	9.48	50.2	5.85	2990	80	1.60	221	0.27	13.25	50.1	7.7	40	2.23	9430

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 22-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268064

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
D150401		4.13	3.31	<0.05	0.3	0.101	0.24	1.9	2.0	0.06	162	1.67	0.13	0.3	19.1	270
D150402		2.84	7.37	<0.05	0.6	0.027	0.53	2.3	3.8	0.13	530	0.30	1.07	0.9	14.8	20
D150403		2.25	6.10	<0.05	0.7	0.025	0.22	1.6	7.7	0.23	395	1.85	1.25	0.9	14.3	550
D150404		1.81	4.08	<0.05	0.4	0.013	0.14	0.5	1.4	0.02	46	0.75	0.87	0.7	3.1	50
D150405		0.09	0.51	<0.05	0.1	0.005	0.06	1.1	0.8	0.71	73	0.05	0.08	0.3	0.9	60
D150406		2.40	24.4	0.20	1.9	4.14	1.99	22.3	32.3	0.15	77	4.94	0.81	8.5	24.8	540

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 22-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268064

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
D150401		6.0	9.7	0.003	2.87	0.14	2.3	4	0.9	7.9	<0.05	1.59	0.27	0.023	0.07	0.1
D150402		5.3	24.1	<0.002	0.93	0.19	9.2	2	0.4	17.4	0.05	0.77	0.22	0.215	0.13	0.3
D150403		6.2	10.5	<0.002	0.39	0.17	6.4	1	0.3	34.1	0.05	2.70	0.33	0.144	0.06	0.2
D150404		25.0	7.4	<0.002	0.27	0.17	2.7	2	0.2	7.4	<0.05	25.0	0.10	0.152	0.05	0.2
D150405		0.6	1.9	<0.002	<0.01	0.13	0.2	2	<0.2	88.0	<0.05	0.17	0.08	0.005	0.03	0.2
D150406		692	67.8	<0.002	4.15	309	3.1	33	26.9	309	0.64	45.6	8.73	0.167	1.81	2.6

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

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NEW LISKEARD ON P0J 1P0

Finalized Date: 22-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268064

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-GRA22 Au ppm 0.05
D150401		44	1.1	2.3	75	13.5	
D150402		137	5.3	2.8	35	20.1	
D150403		54	8.1	4.1	33	26.6	
D150404		46	7.3	0.9	8	12.5	25.4
D150405		1	0.1	2.6	<2	2.2	
D150406		30	7.3	6.8	1760	62.1	

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

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Finalized Date: 22-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268064

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

Au-GRA22	Au-ICP22	ME-MS61	

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

ALS Canada Ltd.

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

CERTIFICATE TM21268067

Project: Miller Gold Project

This report is for 180 samples of Rock submitted to our lab in Timmins, ON, Canada on 4-OCT-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
CRU-32	Fine Crushing 90% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

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-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
ME-MS61	48 element four acid 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, General Manager, North Vancouver

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150501		2.93	>10.0	0.88	2.81	0.6	50	1.10	16.90	1.97	0.04	12.05	17.8	157	1.16	39.7
D150502		3.60	>10.0	0.84	4.14	1.5	90	1.38	17.45	3.05	0.07	18.80	25.7	188	1.70	57.5
D150503		4.98	2.24	0.95	5.88	3.6	70	1.15	1.96	5.32	0.06	12.80	45.1	46	0.90	124.0
D150504		1.74	0.195	0.10	8.14	0.8	680	2.63	0.90	0.92	0.03	67.5	8.0	29	2.91	23.9
D150505		3.82	0.104	0.06	7.20	1.3	260	1.85	0.54	3.90	0.05	24.8	40.3	32	2.85	85.9
D150506		2.41	0.130	0.09	6.92	1.1	190	1.95	0.37	4.71	0.14	12.90	46.6	69	2.34	58.2
D150507		2.42	0.146	0.10	7.48	0.6	990	1.51	1.15	1.22	0.07	56.7	6.9	30	1.18	6.3
D150508		2.50	0.072	0.08	4.99	1.0	570	1.14	0.41	0.75	0.03	24.2	7.0	28	0.96	4.3
D150509		1.38	0.136	0.07	7.57	0.7	890	2.22	0.45	1.68	0.04	57.9	6.5	31	1.65	27.1
D150510		1.23	0.002	0.02	0.06	<0.2	20	0.06	0.01	33.9	<0.02	0.84	0.8	2	<0.05	1.3
D150511		3.14	0.085	0.07	7.39	0.5	900	2.27	0.21	2.71	0.06	46.2	13.0	32	2.33	29.6
D150512		4.25	0.488	0.13	5.75	0.9	120	1.52	0.69	4.89	0.18	13.20	41.1	51	2.57	55.4
D150513		3.30		0.47	4.79	0.8	120	1.22	91.0	4.00	0.11	13.60	32.0	27	1.26	59.5
D150514		3.72	0.644	0.30	6.35	0.7	150	1.42	0.56	5.88	0.13	17.15	39.1	60	1.47	95.9
D150515		3.53	0.151	0.07	6.58	0.4	110	1.56	0.41	5.68	0.15	15.00	43.9	75	1.87	62.6
D150516		3.88	1.565	0.32	6.19	0.9	130	1.72	1.27	5.37	0.08	17.65	38.3	43	2.07	56.7
D150517		4.15	0.146	0.19	6.20	0.6	610	1.66	0.36	1.02	0.03	44.2	4.6	28	1.47	16.0
D150518		3.35	0.551	0.18	6.48	0.3	330	1.61	0.89	2.98	0.11	28.6	30.5	64	3.22	77.0
D150519		3.53	0.042	0.03	6.53	0.9	250	1.00	0.13	3.55	0.14	14.65	45.6	39	2.61	88.8
D150520		0.12	1.500	4.43	7.05	38.5	850	2.40	2.22	2.60	0.17	50.2	16.0	63	8.06	>10000
D150521		4.24	0.006	0.03	6.79	0.7	210	0.82	0.12	3.92	0.09	20.5	40.8	26	1.56	105.0
D150522		3.26	0.902	0.33	4.81	0.6	50	0.76	1.49	3.50	0.10	12.20	21.6	49	0.90	46.2
D150523		5.06	0.856	0.34	6.48	0.9	70	1.22	1.10	4.31	0.17	14.70	43.4	76	1.19	107.0
D150524		2.86	2.23	0.48	6.24	0.7	70	1.26	2.35	5.10	0.16	14.95	50.9	52	1.14	109.5
D150525		2.38	>10.0	0.93	5.24	1.3	60	0.92	30.0	5.07	0.21	10.20	54.4	24	1.22	338
D150526		2.82	0.561	0.37	5.47	0.7	40	0.72	0.89	5.05	0.15	9.91	42.1	59	1.02	91.8
D150527		2.82	0.671	0.48	0.89	0.5	10	0.17	1.69	0.77	0.04	1.81	7.8	39	0.20	20.7
D150528		3.06	0.060	0.10	6.29	1.3	130	0.90	0.28	4.95	0.17	10.25	58.1	57	2.08	191.0
D150529		3.53	0.736	0.29	6.45	0.9	80	1.23	0.30	5.12	0.16	9.93	49.9	64	2.17	163.0
D150530		1.43	0.001	<0.01	0.51	0.4	30	0.26	0.16	31.9	<0.02	1.07	0.6	2	0.05	2.0
D150531		5.45	0.552	0.25	6.27	0.7	40	0.82	0.35	5.38	0.15	10.35	49.9	67	1.55	162.5
D150532		5.69	0.467	0.19	6.03	0.6	60	0.79	0.37	5.01	0.08	9.69	46.3	76	1.34	126.5
D150533		5.54	0.428	0.33	5.18	0.6	20	0.52	0.73	5.76	0.04	9.62	35.9	26	1.27	98.5
D150534		3.40	2.18	0.80	4.27	1.0	30	0.89	2.94	4.99	0.03	9.01	33.2	26	1.81	66.7
D150535		6.20	0.064	0.09	6.49	0.6	50	1.06	0.32	4.92	0.37	12.90	50.3	39	3.90	144.0
D150536		7.55	0.600	0.49	6.16	0.9	60	1.31	0.92	4.89	0.15	12.55	46.5	37	3.68	141.0
D150537		4.70	1.635	1.08	5.51	1.5	50	1.14	3.12	3.94	0.20	12.50	45.6	37	1.54	110.5
D150538		2.89	0.399	0.31	4.77	0.8	30	0.92	1.23	4.91	0.10	8.31	35.7	34	1.15	108.5
D150539		4.91	0.147	0.83	7.11	0.6	70	1.84	0.29	4.33	0.12	36.9	32.8	320	8.67	55.0
D150540		0.12	9.03	10.15	5.65	13.9	360	1.03	0.07	4.71	0.29	26.3	11.4	22	4.54	66.3

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150501		3.58	8.65	<0.05	0.7	0.033	0.71	5.3	16.2	0.87	645	1.95	0.85	0.9	50.4	160
D150502		5.39	13.80	<0.05	1.2	0.044	0.84	8.9	17.2	1.57	886	1.24	1.78	1.5	70.2	280
D150503		10.60	20.2	<0.05	1.8	0.073	0.57	4.7	30.2	1.63	1160	1.09	3.13	2.9	29.4	580
D150504		2.25	26.4	0.16	4.0	0.029	2.37	34.3	33.7	0.64	297	0.99	4.15	7.3	13.2	710
D150505		10.25	24.8	0.09	2.0	0.089	2.25	11.2	46.4	1.43	1060	3.62	1.66	4.6	23.5	700
D150506		11.15	22.6	<0.05	1.5	0.099	2.14	4.6	35.5	2.11	1740	6.83	2.02	4.7	40.5	820
D150507		2.06	21.5	0.16	3.4	0.019	2.91	28.8	8.5	0.65	263	0.36	4.04	7.1	12.1	720
D150508		1.53	13.40	0.15	2.1	0.010	1.72	12.5	6.9	0.39	157	0.28	2.68	4.1	8.2	470
D150509		2.05	20.7	0.20	3.3	0.023	2.29	28.7	18.0	0.54	323	0.44	3.96	6.1	12.4	700
D150510		0.09	0.30	0.08	<0.1	<0.005	0.01	1.1	1.0	0.97	69	<0.05	0.03	0.1	0.2	70
D150511		3.38	20.7	0.14	3.2	0.033	2.78	21.9	28.3	0.83	563	0.36	3.26	6.2	15.5	640
D150512		9.80	19.05	<0.05	1.3	0.080	1.74	4.6	34.1	1.87	1570	3.49	1.95	2.9	30.6	440
D150513		7.85	15.95	<0.05	1.5	0.065	1.04	5.2	23.0	1.46	1260	1.78	2.07	2.5	18.1	400
D150514		8.98	19.10	<0.05	1.4	0.081	1.13	7.3	31.6	1.80	1650	2.80	2.83	3.0	33.3	510
D150515		10.15	19.95	<0.05	1.5	0.093	1.23	5.3	27.5	2.24	1760	7.47	2.57	3.1	40.2	520
D150516		9.13	19.45	0.13	1.7	0.079	1.04	7.0	56.4	1.88	1240	1.39	2.38	3.7	27.2	650
D150517		1.57	17.10	0.13	2.6	0.013	1.76	22.8	12.4	0.40	231	0.55	3.79	4.6	7.4	500
D150518		7.44	19.50	0.11	2.0	0.056	1.73	13.5	22.9	1.49	1120	1.25	2.81	3.1	31.7	450
D150519		11.55	20.5	0.11	1.4	0.087	1.64	5.4	37.7	2.09	1680	1.21	1.71	2.1	30.7	550
D150520		6.25	17.25	0.14	2.2	0.247	3.26	25.8	28.1	1.44	511	507	2.09	15.3	45.1	980
D150521		10.60	21.2	0.09	1.7	0.090	0.62	8.6	37.8	2.22	1360	0.89	2.52	3.6	22.3	620
D150522		5.59	12.70	0.08	1.4	0.038	0.56	5.1	13.6	1.25	829	0.93	2.79	1.7	25.2	660
D150523		10.05	22.1	0.11	1.8	0.081	0.97	5.6	17.2	1.85	1600	1.67	3.26	3.0	40.4	450
D150524		11.65	22.3	0.12	2.1	0.100	1.04	5.5	20.8	2.02	1740	2.94	2.74	3.5	34.1	450
D150525		11.00	19.50	0.09	1.4	0.116	0.87	3.9	21.6	2.06	1590	0.87	2.09	3.0	28.2	370
D150526		9.53	17.00	0.08	1.5	0.077	0.50	3.9	22.0	2.14	1460	1.25	2.24	2.5	35.0	420
D150527		2.23	2.88	0.05	0.3	0.012	0.07	0.8	2.5	0.30	281	0.31	0.53	0.7	7.5	90
D150528		12.20	19.35	0.09	1.0	0.093	1.14	3.8	25.0	2.54	1670	4.06	2.65	1.9	52.0	450
D150529		11.15	20.4	0.08	1.1	0.086	1.83	3.7	20.2	2.15	1810	1.00	2.35	1.6	47.4	400
D150530		0.15	1.58	<0.05	0.1	0.006	0.22	1.1	1.5	1.02	86	0.12	0.26	0.8	1.2	60
D150531		11.10	18.85	0.08	1.1	0.076	1.06	3.9	24.1	2.33	1690	0.94	2.24	2.3	45.9	400
D150532		10.50	18.55	0.07	1.1	0.082	0.91	3.6	51.4	2.53	1380	1.11	1.08	2.2	45.5	390
D150533		9.31	16.80	0.07	1.5	0.069	0.44	3.6	58.9	1.92	846	0.34	1.74	2.5	20.4	540
D150534		9.01	16.45	0.06	1.2	0.060	0.83	3.5	63.1	1.71	740	0.54	0.95	2.2	19.0	230
D150535		12.30	20.7	0.08	1.2	0.100	0.86	4.5	26.4	2.53	1590	1.37	2.50	3.1	31.4	520
D150536		11.85	20.4	0.08	1.1	0.086	1.20	4.3	19.2	2.24	1600	0.91	2.83	2.9	29.4	450
D150537		11.20	20.0	0.09	1.5	0.078	0.85	4.6	11.9	1.55	1630	4.67	3.14	2.8	29.5	260
D150538		8.96	15.55	0.07	0.8	0.067	0.54	3.2	9.2	1.70	1300	0.70	2.60	2.3	22.5	360
D150539		6.20	17.35	0.09	1.9	0.038	1.82	17.1	38.0	3.21	1140	2.09	2.88	1.7	157.0	630
D150540		3.36	12.25	0.10	1.7	0.039	1.90	12.5	48.7	1.23	892	5.46	1.47	2.4	12.3	700

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NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150501		19.3	39.6	<0.002	0.82	0.23	12.0	1	0.9	48.7	0.05	21.9	0.47	0.198	0.20	0.2
D150502		22.3	46.8	<0.002	2.49	0.26	17.9	1	0.5	139.5	0.09	30.5	0.73	0.297	0.24	0.4
D150503		5.9	30.8	<0.002	8.39	0.52	33.4	2	1.3	185.0	0.17	5.44	0.38	0.719	0.15	0.5
D150504		8.3	148.0	<0.002	0.68	0.28	5.9	1	0.9	317	0.42	0.72	6.19	0.239	0.63	2.0
D150505		3.8	117.0	0.002	0.69	0.30	36.6	1	0.8	152.5	0.23	0.39	1.34	0.549	0.58	0.7
D150506		4.0	106.0	0.005	1.12	0.30	37.5	1	0.9	135.5	0.18	0.44	0.35	0.621	0.53	0.3
D150507		8.8	98.2	<0.002	0.45	0.11	4.4	1	1.1	292	0.35	1.34	5.13	0.225	0.53	1.8
D150508		5.0	61.0	<0.002	0.41	0.09	2.7	1	0.6	174.5	0.22	0.36	3.22	0.142	0.31	1.1
D150509		9.1	87.8	<0.002	0.74	0.21	4.4	1	1.1	350	0.33	0.47	4.97	0.197	0.44	1.7
D150510		<0.5	0.4	<0.002	0.01	0.05	0.1	1	<0.2	86.4	<0.05	<0.05	0.05	<0.005	<0.02	0.1
D150511		11.5	102.0	<0.002	0.48	0.21	8.7	1	0.7	469	0.35	0.34	4.01	0.298	0.60	1.5
D150512		5.0	94.5	0.003	1.52	0.39	35.0	1	0.8	169.5	0.17	0.77	0.36	0.696	0.49	0.2
D150513		138.5	56.6	0.002	2.04	0.48	28.0	2	0.7	156.5	0.15	123.0	0.54	0.570	0.29	0.4
D150514		4.9	64.3	0.003	1.22	0.40	35.1	1	1.0	185.5	0.18	1.93	0.64	0.722	0.30	0.3
D150515		4.1	70.0	0.006	0.62	0.38	35.8	1	1.0	157.0	0.17	0.24	0.41	0.697	0.35	0.2
D150516		4.6	77.9	<0.002	3.17	0.40	29.3	1	1.0	155.0	0.17	2.69	0.75	0.652	0.32	0.4
D150517		9.7	66.9	<0.002	0.52	0.10	2.8	1	0.6	332	0.25	0.29	4.26	0.129	0.35	1.4
D150518		8.4	81.5	<0.002	1.85	0.18	22.2	1	0.8	262	0.18	0.93	2.00	0.400	0.41	0.8
D150519		2.7	79.1	0.002	0.26	0.13	33.6	1	0.7	143.0	0.15	0.08	0.51	0.662	0.40	0.2
D150520		64.7	142.5	0.374	1.15	1.58	12.4	8	5.5	379	0.99	0.46	12.05	0.407	0.67	3.6
D150521		3.3	37.1	<0.002	0.25	0.12	34.2	1	0.7	196.5	0.21	0.06	1.05	0.737	0.21	0.4
D150522		5.7	27.4	<0.002	1.93	0.15	15.3	1	0.5	144.0	0.09	1.28	0.59	0.327	0.13	0.3
D150523		7.2	46.4	<0.002	2.24	0.15	34.5	1	0.9	160.0	0.17	1.59	0.48	0.693	0.21	0.3
D150524		8.0	46.4	0.002	2.99	0.19	35.4	2	1.0	173.0	0.21	2.88	0.42	0.798	0.23	0.4
D150525		22.7	39.4	0.002	3.85	0.20	33.2	2	1.3	161.5	0.16	36.4	0.43	0.723	0.19	0.5
D150526		4.5	23.1	<0.002	2.11	0.13	30.5	1	0.8	156.0	0.14	1.25	0.31	0.627	0.11	0.3
D150527		4.8	2.8	<0.002	1.00	0.09	4.5	1	0.8	25.7	<0.05	1.76	0.08	0.112	<0.02	0.1
D150528		3.2	58.3	0.004	0.58	0.19	43.1	1	0.8	127.5	0.12	0.11	0.24	0.619	0.32	0.1
D150529		3.8	81.5	0.002	1.03	0.21	38.0	1	0.6	132.0	0.10	0.42	0.23	0.471	0.45	0.2
D150530		1.3	5.3	<0.002	0.01	0.05	0.4	1	<0.2	88.2	0.07	<0.05	0.11	0.006	0.05	0.3
D150531		3.5	48.6	<0.002	0.72	0.14	36.5	1	0.7	117.5	0.13	0.46	0.24	0.678	0.26	0.2
D150532		1.6	45.5	<0.002	0.60	0.10	33.4	1	0.7	95.5	0.13	0.38	0.24	0.671	0.25	0.2
D150533		1.9	27.4	<0.002	2.69	0.13	28.2	1	0.7	60.0	0.14	1.01	0.28	0.667	0.12	0.3
D150534		4.1	56.1	0.002	4.68	0.21	26.4	2	0.9	42.9	0.11	3.36	0.31	0.528	0.23	0.6
D150535		3.5	47.4	0.002	1.21	0.12	37.9	2	1.2	128.0	0.19	0.21	0.30	0.842	0.31	0.1
D150536		5.4	62.0	0.002	2.66	0.15	35.3	2	1.0	176.5	0.17	0.82	0.29	0.764	0.33	0.3
D150537		10.7	45.6	0.003	5.89	0.30	33.3	2	1.1	166.0	0.15	3.36	0.39	0.668	0.21	0.5
D150538		6.1	26.5	0.002	2.36	0.13	26.9	1	0.8	160.5	0.13	1.10	0.22	0.580	0.14	0.2
D150539		5.2	104.0	<0.002	0.69	0.20	20.0	1	0.6	191.0	0.11	0.91	1.52	0.279	0.57	0.4
D150540		17.8	68.8	0.002	0.45	2.15	12.7	1	0.7	361	0.12	4.71	2.64	0.296	0.55	0.7

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NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

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CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-GRA22	Cu-OG62
	Analyte	V	W	Y	Zn	Zr	Au	Cu
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	1	0.1	0.1	2	0.5	0.05	0.001
D150501		129	7.2	5.7	36	35.7	13.45	
D150502		199	14.2	6.6	67	45.5	17.10	
D150503		211	39.6	13.2	77	72.2		
D150504		124	15.8	8.8	32	166.5		
D150505		307	9.3	11.9	94	79.8		
D150506		337	13.1	10.7	127	56.6		
D150507		58	9.9	8.3	40	145.5		
D150508		40	4.1	5.0	22	89.3		
D150509		55	11.9	7.5	36	141.0		
D150510		1	<0.1	1.8	2	1.4		
D150511		91	9.1	7.7	57	133.5		
D150512		279	13.9	10.7	114	52.3		
D150513		224	16.1	8.4	86	52.4	100.0	
D150514		280	23.6	10.5	104	50.9		
D150515		296	15.9	11.5	134	55.7		
D150516		242	22.0	10.7	101	68.1		
D150517		30	7.8	5.6	24	105.5		
D150518		233	11.3	7.9	89	80.1		
D150519		298	2.4	8.8	134	60.0		
D150520		123	3.2	20.4	103	79.0		1.095
D150521		299	1.0	19.0	116	62.2		
D150522		134	9.5	6.7	67	54.8		
D150523		338	12.2	7.7	125	70.6		
D150524		370	16.9	9.6	143	77.1		
D150525		308	16.1	8.4	141	51.8	27.9	
D150526		255	12.0	8.0	125	54.2		
D150527		33	5.1	2.0	17	10.2		
D150528		400	5.2	8.3	133	40.9		
D150529		396	10.1	8.8	113	41.4		
D150530		1	0.1	3.2	3	2.7		
D150531		380	7.9	7.8	117	40.4		
D150532		348	6.4	8.9	118	46.4		
D150533		238	10.4	10.5	69	60.5		
D150534		286	21.4	9.9	50	45.1		
D150535		340	4.9	11.2	197	42.4		
D150536		338	10.9	9.2	140	37.7		
D150537		292	30.5	8.9	130	52.9		
D150538		226	7.7	6.8	90	26.1		
D150539		203	8.8	7.8	96	76.8		
D150540		109	1.8	10.6	74	75.1		

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Finalized Date: 8-DEC-2021
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CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150541		3.87	0.761	0.37	4.66	1.4	50	1.40	1.19	4.85	0.21	8.55	41.2	39	1.81	121.5
D150542		3.39	0.962	0.32	5.75	1.4	60	0.88	1.21	3.84	0.17	11.40	47.4	36	6.12	177.0
D150543		3.54	0.006	0.02	6.44	0.8	50	0.61	0.08	3.89	0.15	9.99	48.2	39	2.76	138.0
D150544		5.16	0.071	0.15	6.33	2.6	70	1.01	0.27	4.78	0.33	11.80	51.6	39	3.09	142.5
D150545		4.39	0.050	0.08	6.44	1.5	60	1.16	0.48	2.99	0.30	14.50	48.0	28	3.21	152.5
D150546		3.36	0.771	0.35	6.14	1.4	70	1.35	1.63	3.83	0.18	13.95	49.4	33	2.48	247
D150547		3.31	1.010	0.54	4.26	0.7	50	1.02	1.31	1.80	0.20	7.73	31.7	33	2.60	109.5
D150548		2.35	0.293	0.33	2.41	0.9	30	0.59	1.83	2.40	0.09	4.25	17.7	36	0.34	51.2
D150549		3.24	0.240	0.15	4.92	2.8	80	1.31	0.67	3.62	0.14	9.24	35.5	28	5.05	140.0
D150550		1.25	<0.001	0.01	0.60	0.2	30	0.17	0.06	33.4	0.02	1.13	3.6	9	0.05	25.1
D150551		2.34	0.257	0.26	5.76	1.2	130	1.10	0.46	3.82	0.15	11.45	39.8	20	2.92	111.5
D150552		2.67	1.955	0.61	5.11	1.2	70	1.38	2.32	4.65	0.21	9.24	40.0	33	1.34	99.6
D150553		3.79	4.39	0.65	5.04	1.7	110	1.15	2.11	4.02	0.20	9.38	41.6	33	3.73	182.5
D150554		1.60	0.047	0.15	6.25	1.3	130	1.26	0.33	3.31	0.19	11.20	50.9	43	4.42	139.5
D150555		3.35	0.010	0.07	6.35	1.3	140	0.98	0.16	3.01	0.16	11.70	51.4	28	2.90	131.0
D150556		6.17	0.014	0.04	6.21	1.5	70	1.03	0.14	3.84	0.13	12.20	45.2	27	2.40	107.5
D150557		4.62	1.145	0.54	6.32	2.0	90	1.83	0.98	4.17	0.19	12.15	49.4	35	2.45	137.5
D150558		4.99	6.52	1.09	5.47	2.2	40	1.19	2.41	5.47	0.16	10.15	43.2	31	1.41	96.6
D150559		4.24	0.181	0.04	6.34	1.3	40	0.99	0.14	5.01	0.12	11.45	45.7	24	3.15	119.5
D150560		0.12	>10.0	50.0	5.98	2950	80	1.60	227	0.25	12.40	46.3	7.4	41	2.06	9660
D150561		4.13	2.15	0.77	5.82	0.7	30	1.40	1.26	4.59	0.23	11.95	44.0	26	1.89	175.5
D150562		4.10	0.839	0.34	5.07	1.5	50	1.44	2.12	2.11	0.14	9.24	37.5	24	1.70	110.0
D150563		3.38	0.379	0.21	5.48	1.5	80	1.42	1.30	4.07	0.24	10.65	39.6	16	1.88	117.0
D150564		3.59	0.009	0.04	6.78	1.3	70	0.72	0.14	2.77	0.10	13.75	50.3	14	3.81	151.5
D150565		5.56	0.018	0.06	6.57	1.4	50	0.78	0.19	3.75	0.08	11.95	48.2	10	1.81	146.5
D150566		3.80	0.985	0.37	6.55	1.3	60	0.95	1.38	2.76	0.10	13.60	48.8	9	1.66	145.0
D150567		4.47	8.60	1.72	4.55	1.1	30	0.92	9.06	3.48	0.17	10.20	38.7	12	0.95	123.5
D150568		5.57	1.535	0.53	6.16	1.4	50	1.37	1.35	5.21	0.13	11.55	46.4	24	1.31	141.0
D150569		4.23	0.366	0.26	6.57	1.2	50	1.15	0.59	5.36	0.12	11.95	52.3	43	1.50	207
D150570		1.00	0.003	<0.01	0.06	<0.2	20	0.05	0.03	33.7	<0.02	0.77	0.7	1	<0.05	1.7
D150571		4.46	0.065	0.13	6.81	1.0	60	1.09	0.24	4.14	0.08	11.60	52.6	45	2.57	157.0
D150572		4.28	0.013	0.07	6.93	0.9	80	1.18	0.30	3.37	0.10	13.50	53.0	54	2.27	138.5
D150573		4.85	0.210	0.13	6.82	0.5	80	1.20	0.52	4.22	0.13	9.72	51.7	68	2.96	152.5
D150574		4.19	0.514	0.15	6.15	0.5	40	0.84	18.40	4.88	0.11	9.25	44.5	66	2.50	129.0
D150575		2.98	1.900	1.04	3.67	0.8	30	0.68	17.65	3.80	0.07	5.61	27.4	47	1.50	53.3
D150576		3.90	0.682	0.37	5.97	1.4	40	0.87	1.17	5.31	0.11	11.95	43.6	19	2.44	146.0
D150577		3.85	1.770	0.57	5.77	1.1	30	0.70	2.27	4.12	0.13	14.05	44.0	7	0.64	138.5
D150578		2.91	0.088	0.05	6.10	1.1	20	0.59	0.16	3.95	0.09	15.05	42.4	5	0.49	143.0
D150579		3.80	0.029	0.10	6.43	1.3	30	0.69	0.27	4.08	0.11	11.50	49.1	25	1.01	145.0
D150580		0.12	1.445	4.52	7.17	35.8	850	2.58	2.20	2.57	0.20	50.1	16.3	59	7.95	>10000

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

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150541		9.31	16.95	0.08	1.5	0.076	0.83	3.3	18.1	1.74	1600	2.92	2.35	2.0	33.3	310
D150542		11.65	18.45	0.07	1.1	0.094	1.30	4.0	24.7	2.22	1400	0.73	1.30	2.7	27.5	460
D150543		12.25	20.6	0.07	1.1	0.091	0.65	3.6	40.3	2.64	1480	0.78	1.35	3.3	31.4	540
D150544		12.25	21.7	0.06	1.3	0.095	1.00	4.2	24.6	2.43	1630	1.27	2.05	3.2	31.8	490
D150545		12.00	21.4	0.08	1.1	0.099	1.96	5.4	37.8	1.66	1720	17.70	1.49	3.1	24.8	560
D150546		12.70	21.7	0.09	1.3	0.111	1.44	5.0	22.9	1.80	1850	6.36	2.28	2.9	29.4	370
D150547		8.81	15.75	0.07	0.9	0.071	1.02	3.0	18.6	0.97	1180	2.94	1.24	1.6	18.5	270
D150548		4.88	7.55	0.06	0.6	0.048	0.14	1.7	2.4	0.80	767	174.5	1.68	1.3	9.9	100
D150549		9.62	16.35	0.08	1.0	0.077	1.49	3.5	19.9	1.81	1390	22.8	1.87	2.2	19.0	430
D150550		0.44	1.29	<0.05	0.2	0.005	0.05	1.2	3.0	1.09	78	0.20	0.33	0.4	6.0	130
D150551		10.80	17.90	0.06	1.3	0.089	2.14	4.3	22.1	1.99	1360	10.25	1.89	1.8	21.1	430
D150552		9.04	18.35	0.11	1.3	0.075	1.08	3.4	14.0	1.65	1220	1.91	2.84	1.9	25.6	130
D150553		9.70	15.70	0.14	1.1	0.077	1.09	3.3	10.6	1.62	1400	22.8	2.79	2.4	24.5	500
D150554		11.60	17.45	0.14	1.2	0.082	1.19	4.1	24.3	2.01	1760	6.23	2.44	2.1	39.9	490
D150555		12.25	18.70	0.12	1.2	0.095	1.56	4.1	25.7	2.17	1640	8.87	1.82	2.5	31.0	520
D150556		11.20	18.40	0.13	1.0	0.095	1.60	4.5	24.9	2.34	1470	6.20	1.54	3.1	27.1	490
D150557		11.40	21.9	0.14	1.1	0.097	1.90	4.5	25.0	1.60	1580	7.00	2.31	2.0	29.6	380
D150558		10.15	18.30	0.13	1.2	0.072	1.00	3.7	12.3	1.69	1500	3.36	3.06	2.2	26.8	300
D150559		11.80	19.25	0.12	1.1	0.095	0.98	4.0	33.3	2.31	1660	0.92	1.32	3.2	23.9	520
D150560		2.31	22.2	0.22	1.9	3.93	1.99	21.2	30.5	0.15	79	4.33	0.81	8.2	24.7	530
D150561		11.00	22.4	<0.05	1.5	0.093	1.10	4.4	10.9	1.69	1700	2.94	3.20	2.7	23.4	240
D150562		9.27	16.15	0.12	1.1	0.071	1.00	3.3	11.7	0.82	1460	61.7	2.76	1.8	21.4	300
D150563		10.40	18.20	0.15	0.9	0.094	1.45	3.8	19.7	1.21	1670	38.7	2.52	2.4	18.2	480
D150564		13.00	20.7	0.15	1.7	0.106	0.63	4.6	34.6	2.43	1830	2.89	2.05	3.8	21.9	610
D150565		12.95	19.50	0.13	1.4	0.103	0.57	4.1	36.0	2.46	1740	1.22	1.89	3.8	19.6	610
D150566		12.60	20.6	0.13	1.6	0.104	0.54	4.6	31.4	2.38	1790	6.45	2.28	3.5	20.3	490
D150567		10.05	15.65	0.13	1.7	0.080	0.63	3.9	6.6	1.10	1460	10.70	2.84	2.4	16.6	200
D150568		11.35	21.9	0.13	1.7	0.094	1.05	4.3	22.1	2.39	1640	3.57	2.59	2.8	29.4	300
D150569		12.00	22.7	0.10	1.6	0.095	0.68	4.5	26.4	2.60	1700	1.03	2.73	2.7	41.6	340
D150570		0.11	0.24	0.13	<0.1	<0.005	0.01	1.0	1.0	0.83	69	<0.05	0.03	0.1	0.3	60
D150571		11.95	20.7	0.12	1.3	0.093	0.72	4.2	34.0	2.78	1620	10.00	2.59	2.9	40.7	460
D150572		12.15	19.60	0.11	1.2	0.101	0.86	4.6	35.4	2.58	1710	1.18	2.57	3.0	42.1	500
D150573		11.75	18.55	0.10	1.3	0.089	1.07	3.4	41.9	2.59	1710	10.55	2.08	2.5	45.8	420
D150574		10.20	16.40	0.11	0.8	0.075	0.44	3.3	23.5	2.46	1580	14.05	2.48	2.3	40.7	370
D150575		6.50	9.71	0.09	0.7	0.045	0.31	2.0	28.5	1.55	1030	150.0	1.02	1.4	24.3	290
D150576		11.25	17.90	0.14	1.2	0.090	0.69	4.3	21.4	2.08	1680	11.85	2.64	3.1	21.7	470
D150577		11.95	17.95	0.13	1.6	0.095	0.34	5.0	10.9	1.77	1710	2.10	3.32	3.2	15.8	310
D150578		11.25	19.90	0.12	1.8	0.105	0.20	5.3	17.1	1.92	1600	1.05	3.11	3.3	14.5	550
D150579		11.50	19.05	0.13	1.4	0.086	0.35	4.1	25.9	2.50	1690	3.99	2.59	3.0	29.4	470
D150580		6.23	16.30	0.17	2.2	0.259	3.31	24.8	28.0	1.44	524	506	2.10	14.9	46.1	950

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150541		7.3	47.4	0.002	3.75	0.25	28.6	1	0.9	175.5	0.11	1.23	0.27	0.506	0.21	0.4
D150542		3.9	76.2	0.002	1.90	0.11	33.9	1	1.9	78.7	0.17	0.97	0.28	0.762	0.38	0.2
D150543		1.5	29.0	<0.002	0.14	0.06	38.6	1	1.4	74.2	0.19	<0.05	0.30	0.889	0.14	0.1
D150544		2.6	46.1	0.003	1.20	0.12	38.1	1	1.8	109.0	0.19	0.38	0.29	0.845	0.22	0.1
D150545		3.1	86.6	0.006	0.94	0.21	39.4	1	1.3	82.4	0.18	0.24	0.34	0.775	0.48	0.1
D150546		7.3	71.9	0.002	3.61	0.30	39.5	1	0.7	124.0	0.17	2.32	0.44	0.761	0.37	0.4
D150547		10.0	56.3	0.002	2.38	0.23	26.7	1	0.5	49.8	0.10	1.71	0.30	0.403	0.27	0.3
D150548		10.8	5.7	0.089	2.69	0.16	12.8	1	0.6	123.5	0.06	1.43	0.17	0.269	0.03	0.2
D150549		4.7	85.3	0.021	1.41	0.20	29.8	1	0.5	131.0	0.13	0.74	0.28	0.564	0.51	0.2
D150550		0.6	1.0	<0.002	0.14	0.08	2.6	1	0.5	93.2	<0.05	<0.05	0.08	0.073	<0.02	0.3
D150551		3.8	96.5	0.006	1.71	0.27	31.8	1	0.7	152.0	0.12	0.59	0.32	0.485	0.50	0.1
D150552		9.8	54.7	0.003	4.94	0.32	30.7	2	0.8	194.5	0.12	2.54	0.28	0.522	0.29	0.5
D150553		8.9	65.7	0.018	3.45	0.36	31.6	2	0.7	155.5	0.15	1.55	0.29	0.594	0.41	0.4
D150554		3.2	62.0	0.003	0.58	0.10	36.0	2	0.8	136.0	0.15	0.24	0.28	0.660	0.38	0.1
D150555		2.3	69.8	0.009	0.39	0.09	38.9	1	0.6	136.5	0.17	0.14	0.29	0.796	0.44	0.1
D150556		1.4	66.3	0.006	0.26	0.09	36.6	1	0.7	131.5	0.20	0.12	0.35	0.826	0.35	0.1
D150557		5.5	97.2	0.006	3.06	0.31	38.8	1	0.9	135.5	0.14	1.39	0.32	0.557	0.50	0.3
D150558		8.0	49.8	0.004	4.70	0.29	32.8	1	0.7	209	0.14	2.85	0.31	0.580	0.25	0.4
D150559		1.4	45.5	0.003	0.52	0.11	38.6	1	0.6	93.5	0.20	0.10	0.31	0.916	0.29	0.1
D150560		665	64.9	<0.002	4.08	303	3.1	30	24.5	314	0.64	43.4	8.53	0.166	1.94	2.6
D150561		9.2	51.5	<0.002	4.21	0.37	39.9	2	0.7	194.5	0.16	2.14	0.40	0.648	0.27	0.6
D150562		7.8	47.9	0.008	1.93	0.23	31.4	1	0.6	79.3	0.11	1.67	0.27	0.470	0.27	0.2
D150563		6.0	70.6	0.008	2.09	0.37	32.7	2	1.0	101.5	0.15	0.78	0.28	0.609	0.39	0.2
D150564		1.0	33.7	0.003	0.21	0.09	43.0	1	0.8	77.7	0.24	0.06	0.35	1.025	0.22	0.1
D150565		1.0	25.2	0.003	0.41	0.06	41.4	1	0.7	74.2	0.24	0.13	0.35	1.025	0.15	0.1
D150566		3.4	24.6	0.004	2.16	0.10	41.9	2	0.8	72.9	0.21	1.37	0.37	0.972	0.14	0.2
D150567		29.1	27.7	0.008	5.88	0.22	31.0	2	0.7	139.0	0.13	9.42	0.36	0.583	0.18	0.5
D150568		6.0	46.4	0.003	3.52	0.13	40.0	2	0.7	195.5	0.17	1.38	0.32	0.805	0.25	0.4
D150569		3.5	28.4	0.002	2.11	0.10	42.0	1	0.7	176.0	0.17	0.67	0.29	0.850	0.17	0.3
D150570		<0.5	0.4	<0.002	0.01	<0.05	0.2	1	<0.2	87.7	<0.05	<0.05	0.05	0.006	<0.02	0.1
D150571		2.0	36.3	0.012	0.51	0.05	41.9	1	0.6	127.5	0.18	0.22	0.28	0.917	0.23	0.2
D150572		1.6	36.8	<0.002	0.25	0.06	40.7	1	0.7	112.5	0.20	0.13	0.30	0.888	0.22	0.1
D150573		2.7	47.1	0.002	0.38	0.06	39.1	1	0.5	120.5	0.17	0.27	0.25	0.800	0.30	0.1
D150574		5.1	28.2	0.004	0.58	0.06	33.9	1	0.7	136.0	0.15	3.00	0.22	0.711	0.21	0.1
D150575		15.5	18.4	0.056	0.74	0.06	20.4	1	0.4	84.9	0.08	5.36	0.14	0.390	0.13	0.1
D150576		3.3	38.0	0.009	1.40	0.10	38.4	1	0.6	141.0	0.19	0.96	0.31	0.863	0.26	0.2
D150577		7.1	12.7	0.003	4.31	0.15	36.4	2	0.5	148.5	0.19	2.53	0.36	0.840	0.08	0.3
D150578		1.3	6.3	0.002	0.32	0.05	36.4	1	0.6	95.4	0.20	0.11	0.32	0.897	0.04	0.1
D150579		1.3	13.8	0.005	0.48	0.06	39.3	1	0.5	116.5	0.19	0.22	0.27	0.892	0.09	0.1
D150580		62.2	136.0	0.374	1.14	1.48	12.3	8	5.0	372	1.02	0.47	11.40	0.415	0.76	3.5

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NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
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Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-GRA22	Cu-OG62
	Analyte	V	W	Y	Zn	Zr	Au	Cu
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	1	0.1	0.1	2	0.5	0.05	0.001
D150541		256	21.2	10.5	100	49.2		
D150542		322	11.0	8.0	151	34.9		
D150543		348	1.6	9.0	224	41.3		
D150544		365	7.8	8.2	246	63.3		
D150545		360	7.6	9.5	137	39.1		
D150546		345	25.7	9.2	143	46.3		
D150547		270	15.3	6.7	118	33.7		
D150548		95	12.8	4.2	53	21.8		
D150549		290	14.0	6.7	104	35.2		
D150550		18	0.1	3.1	3	7.4		
D150551		317	7.2	8.1	116	50.2		
D150552		341	27.7	7.9	117	47.9		
D150553		263	21.9	8.7	122	34.7		
D150554		315	9.1	10.4	99	49.6		
D150555		350	3.9	10.1	135	58.2		
D150556		311	6.5	8.3	132	34.5		
D150557		426	22.4	9.9	123	32.7		
D150558		265	28.5	9.1	110	36.0		
D150559		349	2.8	10.4	127	51.3		
D150560		30	7.2	6.5	1720	58.2	NSS	
D150561		355	40.1	12.0	139	58.0		
D150562		265	17.6	9.1	95	35.2		
D150563		300	12.5	8.8	122	32.7		
D150564		363	1.3	16.5	148	51.1		
D150565		358	3.9	11.5	137	50.1		
D150566		372	12.6	11.6	139	52.1		
D150567		234	24.6	8.1	112	61.5		
D150568		439	14.1	8.9	133	64.7		
D150569		458	14.3	9.2	144	59.1		
D150570		1	<0.1	1.9	2	1.2		
D150571		401	6.1	9.7	124	53.0		
D150572		375	5.2	10.2	127	43.2		
D150573		358	3.2	7.7	132	40.2		
D150574		300	6.1	7.1	118	30.6		
D150575		175	7.9	6.5	71	25.8		
D150576		325	11.9	8.9	120	47.9		
D150577		271	15.5	8.2	131	61.9		
D150578		307	13.2	9.4	125	59.0		
D150579		363	11.4	7.3	124	50.4		
D150580		122	2.9	20.1	107	73.4		1.085

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150581		2.57	0.802	0.38	6.01	1.2	50	0.91	1.10	5.07	0.09	9.86	44.5	37	2.74	139.0
D150582		4.01	2.26	1.31	5.12	1.3	60	1.05	3.22	4.63	0.16	7.60	38.9	43	3.15	108.5
D150583		2.61	0.278	0.14	6.55	0.6	90	1.25	0.42	4.72	0.16	10.10	50.7	63	7.85	146.0
D150584		3.13	0.243	0.20	6.21	0.9	60	1.22	0.82	3.46	0.15	9.28	49.4	65	2.98	139.0
D150585		2.67	0.008	0.05	7.11	1.2	110	0.82	0.25	3.34	0.15	11.20	55.0	43	2.75	147.0
D150586		3.64	0.563	0.18	6.60	1.3	120	1.29	1.04	4.21	0.15	13.75	55.1	35	2.38	158.0
D150587		3.81	>10.0	2.45	3.62	1.0	20	0.68	13.30	1.86	0.07	6.17	24.8	26	0.43	89.1
D150588		2.39	2.55	0.73	5.13	0.6	80	0.89	3.68	3.00	0.09	9.30	40.3	32	2.14	121.0
D150589		1.25	0.597	0.34	6.29	0.8	80	1.04	0.73	5.12	0.09	11.00	42.7	31	2.32	121.0
D150590		1.35	0.007	<0.01	0.30	<0.2	40	0.13	0.02	33.2	<0.02	0.88	0.6	1	0.05	1.9
D150591		3.89	1.175	0.33	6.29	1.0	90	1.14	0.84	5.12	0.10	12.10	44.7	34	2.30	132.5
D150592		4.88	3.32	0.88	5.76	1.0	70	1.05	3.34	4.14	0.14	11.30	43.4	38	2.08	111.5
D150593		3.55	3.78	0.49	5.27	0.7	80	1.01	2.14	4.95	0.12	9.70	39.4	32	1.70	95.6
D150594		2.79	0.089	0.18	6.21	0.7	120	0.76	0.41	4.38	0.10	12.90	39.5	21	1.93	100.5
D150595		2.31	5.16	1.06	4.32	1.0	50	0.91	4.61	3.31	0.10	8.08	36.6	33	1.26	96.8
D150596		2.47	4.32	1.04	1.47	0.7	10	0.28	5.69	0.98	0.05	2.41	12.0	29	0.21	25.9
D150597		3.72	6.50	0.92	5.56	1.2	70	1.22	5.00	2.76	0.15	10.70	43.7	32	1.18	158.0
D150598		2.28	6.88	0.38	0.21	0.2	<10	<0.05	4.36	0.04	0.02	0.24	1.8	27	0.12	10.8
D150601		3.13	0.760	0.35	6.09	1.0	50	1.65	0.28	5.07	0.13	9.06	52.1	24	2.84	131.5
D150602		3.25	0.941	0.43	6.30	6.5	50	1.52	0.33	5.58	0.16	9.60	56.4	21	3.09	175.0
D150603		2.91	0.023	0.04	6.73	0.3	60	1.21	0.22	4.69	0.10	9.83	58.0	24	2.45	163.0
D150604		3.73	0.117	0.20	6.07	1.0	50	1.18	0.47	5.38	0.12	9.15	51.5	20	2.59	144.0
D150605		3.42	0.452	0.15	6.02	1.1	60	1.41	0.72	5.99	0.17	10.10	52.3	18	2.32	195.0
D150606		3.37	1.145	0.22	6.03	1.8	40	1.05	0.51	6.54	0.13	10.05	51.0	19	0.51	135.5
D150607		3.00	0.707	0.29	6.18	2.2	50	1.25	0.51	7.00	0.11	10.05	52.6	19	0.95	150.0
D150608		3.03	0.596	0.23	6.01	2.7	40	1.08	0.69	6.44	0.10	9.38	50.3	17	1.23	138.0
D150609		5.80	0.465	0.32	5.96	10.2	90	1.21	0.68	6.72	0.12	9.93	55.2	19	0.88	192.5
D150610		0.98	0.002	<0.01	0.06	<0.2	20	0.05	0.03	33.1	<0.02	0.77	0.8	3	<0.05	1.4
D150611		4.26	0.495	0.50	6.10	2.0	30	0.92	1.46	5.69	0.09	8.39	45.7	18	0.27	75.1
D150612		5.01	0.267	0.22	2.61	0.7	10	0.25	0.68	2.01	0.03	2.74	17.1	23	<0.05	16.9
D150613		5.39	0.567	0.21	3.66	1.5	60	0.71	0.86	3.99	0.07	5.00	28.5	21	0.38	56.6
D150614		5.66	1.350	0.50	5.38	1.1	70	1.27	1.05	8.35	0.11	8.41	50.5	18	0.73	186.5
D150615		2.82	1.050	0.70	4.44	1.1	40	0.66	1.22	7.32	0.09	5.91	35.9	17	0.26	146.5
D150616		2.94	0.106	0.21	6.91	0.3	50	2.00	0.21	4.49	0.13	9.92	57.2	24	1.70	154.0
D150617		3.92	0.484	0.22	6.38	0.4	40	1.70	0.39	5.32	0.16	8.10	56.0	23	1.55	177.5
D150618		5.31	0.313	0.31	6.25	0.6	60	1.36	0.39	5.04	0.14	9.10	54.0	22	1.82	162.0
D150619		2.33	0.877	0.65	5.78	10.1	140	1.95	0.67	5.81	0.12	9.15	47.7	17	1.49	123.0
D150620		0.12	9.29	10.25	5.61	12.8	350	0.99	0.08	4.57	0.28	23.6	11.5	19	4.52	65.3
D150621		6.71	0.434	0.27	5.73	11.8	110	1.64	0.45	6.55	0.15	8.93	50.0	20	1.78	164.5
D150622		6.24	1.050	0.40	6.08	4.1	60	1.09	0.80	6.15	0.14	9.41	52.9	20	0.51	197.0

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150581		10.40	17.95	0.12	1.1	0.080	0.72	3.6	28.1	2.34	1520	4.25	1.96	2.6	33.0	400
D150582		9.03	15.30	0.11	1.2	0.065	0.95	2.8	16.2	1.89	1300	6.47	2.74	1.8	31.5	160
D150583		11.20	18.10	0.12	1.3	0.085	1.67	3.6	27.8	2.52	1640	12.55	2.40	2.6	43.7	430
D150584		10.55	18.65	0.11	1.0	0.085	0.61	3.3	28.8	2.39	1740	16.10	2.21	2.3	43.9	460
D150585		12.85	20.5	0.14	1.3	0.099	1.42	4.0	47.5	2.63	1640	3.01	1.29	3.4	39.5	540
D150586		11.80	19.95	0.14	1.3	0.108	1.42	4.7	31.9	1.70	1820	11.20	2.51	3.4	33.4	490
D150587		6.45	12.90	0.12	1.0	0.049	0.38	2.4	9.4	0.41	708	9.54	2.41	1.5	15.9	180
D150588		8.83	17.25	0.07	0.8	0.076	0.98	3.5	22.5	0.86	1500	8.56	2.19	2.3	24.4	340
D150589		10.30	21.5	0.09	1.5	0.089	1.00	4.3	23.4	1.41	1960	1.47	2.60	3.1	26.3	460
D150590		0.12	0.98	0.08	0.1	<0.005	0.18	1.1	0.9	0.86	78	0.12	0.11	1.0	0.2	70
D150591		9.93	20.9	0.07	1.2	0.091	1.30	4.6	17.6	1.12	1960	3.23	3.00	3.0	26.4	460
D150592		9.53	19.45	0.07	1.0	0.084	0.93	4.4	9.1	0.79	1730	4.78	3.24	2.8	25.8	610
D150593		9.63	18.90	0.05	1.0	0.079	0.90	3.7	23.9	1.10	1840	6.74	1.74	2.6	23.0	430
D150594		11.80	21.4	0.07	1.6	0.105	0.53	4.8	29.3	1.72	1750	4.15	1.93	3.8	19.3	810
D150595		7.97	16.30	0.05	0.9	0.065	0.59	3.2	6.4	0.73	1340	5.88	2.61	2.1	21.4	420
D150596		3.01	5.59	<0.05	0.7	0.019	0.14	1.0	2.0	0.15	341	3.63	1.02	0.9	9.0	200
D150597		9.52	22.5	0.08	1.3	0.086	1.06	4.2	11.5	0.58	1680	5.21	2.99	2.7	25.9	460
D150598		0.82	0.80	<0.05	<0.1	0.005	0.02	<0.5	0.7	0.01	81	1.07	0.15	0.1	2.1	20
D150601		10.00	20.4	0.06	1.0	0.070	1.94	3.5	21.2	2.32	1580	5.58	1.93	2.3	55.2	250
D150602		10.60	21.6	0.08	1.1	0.080	1.30	3.6	16.4	2.51	1600	0.25	2.97	2.5	56.1	240
D150603		11.10	19.60	0.06	0.7	0.078	1.28	3.6	26.9	2.81	1460	1.95	2.26	1.6	62.5	360
D150604		9.90	19.00	0.07	0.8	0.077	1.15	3.3	15.0	2.72	1560	3.73	2.74	2.3	52.0	330
D150605		9.89	18.90	0.08	1.0	0.078	1.07	3.7	14.9	2.23	1540	11.60	3.40	2.2	49.9	340
D150606		9.57	18.70	0.07	1.0	0.074	0.64	3.8	6.6	1.61	1910	1.23	3.79	2.6	48.6	430
D150607		9.58	20.2	0.07	0.9	0.075	1.10	3.7	10.6	1.92	1900	2.52	2.88	2.6	47.6	350
D150608		9.08	18.35	0.08	0.9	0.073	0.70	3.4	9.8	2.02	1720	29.1	3.54	2.4	46.9	430
D150609		9.89	18.05	0.06	0.8	0.075	1.13	3.7	8.9	2.04	1880	1.31	3.03	2.5	50.5	350
D150610		0.11	0.23	0.08	<0.1	<0.005	0.02	1.1	0.9	1.15	75	0.08	0.03	0.1	0.3	60
D150611		8.40	17.35	0.07	1.0	0.049	0.26	3.0	2.8	1.60	1530	61.0	4.70	2.2	41.4	680
D150612		3.41	7.27	<0.05	0.4	0.013	0.05	1.0	0.7	0.56	606	28.4	2.13	0.7	15.4	310
D150613		5.80	11.00	<0.05	0.5	0.039	0.57	1.9	3.9	1.02	1130	1.71	2.28	1.3	26.8	240
D150614		8.76	17.65	0.06	1.0	0.070	1.15	3.2	8.6	1.45	2000	0.36	2.86	2.3	44.5	390
D150615		6.68	13.70	0.05	0.8	0.051	0.35	2.2	4.3	0.98	1460	0.15	3.03	1.8	33.0	520
D150616		11.20	22.6	0.07	1.0	0.080	2.08	3.7	21.3	2.61	1840	0.30	1.63	2.6	62.4	380
D150617		10.90	21.3	0.07	1.2	0.068	1.30	3.1	18.5	2.42	1660	0.22	2.51	2.3	57.0	360
D150618		10.45	18.60	0.07	0.8	0.071	1.81	3.4	16.6	2.46	1630	6.46	1.69	2.2	54.0	320
D150619		10.45	20.8	0.07	1.0	0.080	1.70	3.5	15.7	1.92	1600	0.50	2.05	1.9	43.7	230
D150620		3.32	12.15	0.08	1.8	0.038	1.86	11.9	44.2	1.20	874	5.23	1.44	2.3	11.1	650
D150621		9.57	18.80	0.07	1.0	0.075	1.50	3.3	12.9	1.94	1740	1.65	2.37	2.4	47.4	340
D150622		9.51	18.70	0.07	1.0	0.081	0.60	3.5	6.0	1.80	1940	1.25	4.03	2.6	49.2	190

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	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
D150581		2.8	34.9	0.006	0.68	0.07	35.6	1	0.5	135.0	0.16	1.19	0.29	0.787	0.22	0.1
D150582		9.4	47.4	0.005	3.49	0.12	29.8	2	0.5	171.5	0.11	3.13	0.24	0.532	0.31	0.3
D150583		3.0	97.9	0.004	0.70	0.07	39.1	1	0.8	132.0	0.16	0.31	0.26	0.816	0.68	0.1
D150584		3.5	34.6	0.002	1.14	0.05	34.7	1	1.0	91.4	0.14	0.65	0.25	0.675	0.24	0.2
D150585		1.5	68.0	0.003	0.23	0.05	41.2	1	0.7	70.9	0.22	0.10	0.30	0.949	0.38	0.1
D150586		4.7	66.5	0.007	1.62	0.12	42.0	2	0.8	120.5	0.21	0.78	0.35	0.893	0.40	0.2
D150587		40.2	17.0	0.004	2.72	0.17	16.7	2	0.6	59.7	0.08	13.05	0.34	0.338	0.10	0.5
D150588		9.7	46.1	0.005	1.85	0.30	29.7	1	0.7	53.0	0.14	3.41	0.27	0.627	0.28	0.2
D150589		3.8	45.0	0.002	1.02	0.19	37.5	1	0.8	114.5	0.19	0.54	0.30	0.847	0.25	0.2
D150590		0.7	5.3	<0.002	0.01	0.07	0.3	1	<0.2	88.9	0.11	<0.05	0.12	0.006	0.04	0.4
D150591		4.9	61.1	0.003	1.40	0.20	37.0	1	0.8	134.0	0.19	0.74	0.30	0.860	0.34	0.2
D150592		13.8	44.6	0.004	2.55	0.26	31.8	1	0.8	132.0	0.16	2.95	0.31	0.748	0.29	0.3
D150593		3.6	42.0	0.006	1.99	0.17	31.2	1	0.7	73.6	0.16	2.04	0.26	0.737	0.25	0.2
D150594		2.3	27.0	0.004	0.72	0.10	41.1	1	0.8	71.6	0.24	0.30	0.39	0.938	0.17	0.1
D150595		14.7	30.4	0.004	3.25	0.24	25.8	1	0.7	113.5	0.12	4.40	0.26	0.535	0.20	0.4
D150596		20.8	5.9	0.003	1.63	0.23	6.1	1	0.3	31.5	<0.05	5.24	0.14	0.180	0.04	0.2
D150597		18.2	47.0	0.002	3.25	0.29	33.4	1	1.0	96.1	0.17	4.50	0.33	0.709	0.26	0.5
D150598		3.1	0.5	<0.002	0.08	0.07	0.5	<1	0.2	2.3	<0.05	4.20	0.01	0.014	<0.02	<0.1
D150601		4.7	94.4	0.004	1.84	0.14	31.8	1	0.9	148.0	0.15	0.88	0.22	0.642	0.53	0.2
D150602		5.6	66.9	<0.002	2.86	0.17	33.3	1	0.9	193.0	0.15	1.17	0.24	0.681	0.39	0.2
D150603		2.1	68.5	<0.002	0.39	0.17	33.9	1	0.5	92.2	0.11	0.11	0.23	0.443	0.40	0.1
D150604		3.5	62.8	0.002	1.22	0.15	31.8	<1	0.5	146.0	0.15	0.67	0.23	0.654	0.37	0.1
D150605		5.9	56.9	0.002	2.40	0.27	33.1	1	0.6	195.5	0.14	1.68	0.24	0.620	0.32	0.2
D150606		5.4	28.3	<0.002	1.92	0.28	31.0	1	0.7	163.0	0.16	0.96	0.25	0.705	0.16	0.2
D150607		4.3	48.1	0.002	1.57	0.20	32.0	1	0.8	156.0	0.16	1.03	0.24	0.722	0.25	0.1
D150608		5.7	34.6	0.003	2.92	0.21	30.2	1	0.8	166.5	0.15	1.74	0.21	0.640	0.19	0.2
D150609		4.9	50.3	<0.002	4.02	0.32	33.1	1	1.1	171.0	0.15	3.28	0.24	0.706	0.27	0.1
D150610		<0.5	0.4	<0.002	0.01	0.05	0.2	1	<0.2	85.6	<0.05	<0.05	0.04	0.005	<0.02	0.1
D150611		7.1	10.3	0.004	5.62	0.34	24.2	1	0.8	162.0	0.12	5.91	0.22	0.547	0.06	0.3
D150612		2.9	1.0	0.003	2.24	0.16	6.8	1	1.1	61.1	<0.05	2.80	0.08	0.180	<0.02	0.1
D150613		3.8	22.7	<0.002	2.35	0.31	16.3	1	0.6	113.5	0.08	1.52	0.13	0.367	0.11	0.2
D150614		6.4	48.9	<0.002	3.66	0.45	28.9	1	2.0	199.0	0.14	3.10	0.24	0.640	0.23	0.3
D150615		6.2	13.0	<0.002	3.67	0.34	20.4	1	0.8	155.0	0.11	3.44	0.17	0.490	0.07	0.3
D150616		4.1	92.8	<0.002	0.57	0.16	34.7	1	0.7	130.5	0.17	0.62	0.26	0.754	0.50	0.2
D150617		6.2	61.8	<0.002	1.27	0.19	33.3	1	0.7	148.5	0.15	0.76	0.23	0.649	0.34	0.2
D150618		3.5	78.3	0.003	1.02	0.14	32.8	1	0.6	137.0	0.14	0.87	0.23	0.667	0.44	0.1
D150619		5.2	74.4	<0.002	4.36	0.27	31.3	1	0.6	185.0	0.12	1.94	0.24	0.513	0.39	0.2
D150620		17.0	66.4	0.002	0.44	2.22	13.2	1	0.7	346	0.13	4.56	2.78	0.294	0.57	0.7
D150621		4.6	67.9	0.002	3.31	0.24	31.0	1	0.7	158.5	0.15	2.97	0.21	0.655	0.37	0.1
D150622		6.8	25.5	<0.002	3.92	0.43	32.8	1	0.7	202	0.16	2.70	0.25	0.700	0.15	0.3

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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-GRA22 Au ppm 0.05	Cu-OG62 Cu % 0.001
D150581		348	7.8	7.7	99	42.4		
D150582		284	14.8	6.8	101	45.0		
D150583		352	4.3	6.3	128	51.9		
D150584		339	9.0	11.4	130	39.9		
D150585		346	1.7	12.0	147	42.3		
D150586		394	9.2	9.8	133	46.6		
D150587		176	24.0	5.1	65	32.5	14.35	
D150588		290	7.8	7.4	82	25.0		
D150589		363	7.0	12.1	126	32.7		
D150590		2	0.1	2.9	2	2.1		
D150591		381	10.2	8.3	110	34.0		
D150592		303	16.3	9.0	112	31.1		
D150593		336	10.1	8.8	139	33.9		
D150594		202	3.0	28.4	174	47.3		
D150595		269	16.6	6.9	89	31.8		
D150596		67	10.5	3.1	26	14.2		
D150597		414	20.1	8.4	127	39.8		
D150598		4	0.8	0.3	3	1.0		
D150601		338	9.4	7.6	106	36.3		
D150602		337	11.8	7.8	114	36.1		
D150603		312	2.9	8.9	121	23.1		
D150604		299	6.4	6.8	100	27.3		
D150605		316	14.8	7.3	108	36.6		
D150606		264	22.7	7.8	109	33.6		
D150607		331	15.0	7.5	113	30.1		
D150608		259	16.1	7.2	102	27.7		
D150609		331	26.2	7.6	106	27.8		
D150610		2	0.1	2.1	2	1.2		
D150611		120	31.0	8.1	77	32.3		
D150612		21	12.6	3.0	30	12.5		
D150613		155	19.6	4.0	59	16.2		
D150614		315	36.0	7.9	99	28.4		
D150615		151	32.5	8.4	63	28.6		
D150616		371	9.6	9.4	119	36.8		
D150617		382	9.9	9.8	125	42.1		
D150618		319	6.6	7.3	112	26.4		
D150619		358	17.0	8.2	98	35.5		
D150620		107	1.7	10.9	74	68.5		
D150621		297	15.9	7.1	98	26.2		
D150622		283	37.8	7.1	111	42.3		

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150623		5.05	1.560	0.48	6.23	2.3	60	1.06	1.28	5.40	0.13	9.82	55.8	19	0.51	188.5
D150624		5.59	0.811	0.36	4.61	1.1	20	0.53	1.23	3.77	0.09	5.97	33.9	20	0.09	52.5
D150625		4.38	0.527	0.32	3.73	1.1	30	0.64	1.02	3.26	0.10	5.50	31.6	20	0.17	111.0
D150626		5.10	0.735	0.35	5.51	3.4	110	1.57	0.77	6.55	0.17	9.39	48.0	22	0.86	155.5
D150627		5.84	3.47	0.67	5.67	1.6	30	0.62	1.36	5.01	0.13	7.84	46.0	21	0.19	60.7
D150628		3.67	1.240	0.37	5.76	2.3	50	1.01	0.84	7.38	0.12	9.64	51.8	18	0.87	136.5
D150629		5.45	0.426	0.22	6.09	4.8	100	1.40	0.51	6.51	0.13	9.54	53.2	23	1.29	148.0
D150630		1.10	0.002	<0.01	0.09	0.6	20	0.06	0.07	33.4	<0.02	0.79	0.7	1	<0.05	3.4
D150631		5.25	1.015	0.22	5.09	1.1	60	0.86	1.29	4.42	0.10	6.94	37.2	24	0.52	114.0
D150632		4.83	0.011	0.02	6.77	1.1	120	1.13	0.11	5.15	0.15	10.30	56.4	22	2.20	130.0
D150633		3.53	0.227	0.09	6.47	3.2	150	1.51	0.26	5.35	0.13	10.15	52.6	21	1.63	180.0
D150634		3.37	0.137	0.08	6.61	3.0	100	1.24	0.18	6.80	0.13	10.15	59.1	20	1.49	182.0
D150635		3.19	0.063	0.12	6.90	2.0	160	1.23	0.17	6.33	0.11	10.75	59.2	22	2.40	204
D150636		3.15	0.179	0.15	6.74	4.1	80	1.28	0.21	6.64	0.14	10.20	57.3	20	4.19	143.5
D150637		3.86	0.356	0.13	6.24	0.6	80	1.21	0.23	4.85	0.10	9.25	51.0	19	3.56	167.0
D150638		2.92	0.294	0.18	5.87	0.9	100	1.03	0.42	4.53	0.13	8.88	47.7	19	2.27	168.0
D150639		3.88	0.437	0.18	5.89	4.5	100	1.62	0.35	6.19	0.13	10.00	51.0	20	1.60	164.5
D150640		0.12	>10.0	51.3	6.27	3060	110	1.44	228	0.26	11.95	47.0	7.7	43	2.13	9990
D150641		2.98	0.351	0.31	6.12	10.5	110	1.28	0.57	5.59	0.13	10.20	52.3	22	0.79	131.0
D150642		4.01	0.546	0.34	5.81	1.7	40	1.03	0.86	4.97	0.10	9.03	48.0	19	1.02	162.0
D150643		2.84	0.287	0.20	6.64	0.9	30	1.02	0.54	4.34	0.09	10.15	53.4	20	2.53	158.0
D150644		5.35	0.030	0.04	6.77	0.7	50	1.05	0.20	5.32	0.09	10.05	59.7	22	2.08	171.5
D150645		1.69	0.290	0.32	6.92	0.7	50	0.98	0.50	6.01	0.07	11.85	58.5	22	0.25	185.5
D150646		1.22	0.648	0.66	6.87	1.4	60	0.85	0.84	4.70	0.09	14.10	59.2	22	0.65	192.5
D150647		3.15	0.011	0.05	7.73	1.4	130	0.57	0.10	2.51	0.12	11.00	65.8	25	1.25	156.0
D150648		3.24	0.549	0.34	5.80	6.4	120	1.04	0.56	8.56	0.20	9.04	48.2	18	1.34	144.5
D150649		2.71	1.155	0.48	5.94	1.6	60	0.83	0.97	5.88	0.15	8.96	47.1	18	0.66	121.0
D150650		1.06	0.001	0.01	0.06	1.0	20	0.06	0.05	34.4	<0.02	0.88	1.1	1	<0.05	7.1
D150651		3.42	0.639	0.32	5.67	4.8	30	0.59	0.96	4.87	0.16	8.42	41.9	18	0.39	146.0
D150652		4.59	1.360	0.52	5.97	3.8	60	0.89	1.08	5.72	0.17	10.10	53.3	19	0.58	147.0
D150653		2.99	1.025	0.50	4.57	1.4	20	0.43	1.24	2.72	0.10	5.82	34.0	21	0.23	52.8
D150654		2.79	0.727	0.37	5.65	1.4	50	0.85	1.02	4.56	0.12	8.37	46.5	19	3.24	122.0
D150655		2.60	0.653	0.20	7.05	1.3	70	1.20	0.32	5.01	0.12	11.50	57.9	21	7.39	254
D150656		3.97	1.345	0.31	7.14	3.8	70	1.13	0.48	4.50	0.12	11.75	61.7	23	6.25	279
D150657		4.68	0.710	0.27	5.66	0.9	40	0.99	0.72	4.60	0.13	9.11	49.2	23	2.52	159.5
D150658		2.92	1.210	0.26	6.12	0.6	40	1.19	0.32	5.61	0.15	9.87	53.0	20	2.90	169.5
D150659		3.25	0.015	0.03	7.48	0.9	100	0.83	0.08	2.96	0.12	12.30	65.2	25	1.28	145.0
D150660		0.12	0.176	1.36	7.78	52.8	1120	2.39	1.77	1.78	0.65	69.3	8.0	46	11.15	6490
D150661		2.55	0.022	0.06	7.47	0.9	60	1.04	0.13	3.96	0.11	11.70	65.5	24	1.49	175.5
D150662		2.54	0.004	0.08	6.93	1.2	60	0.85	0.06	5.07	0.13	11.35	66.2	22	1.39	212

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To: NORTHSTAR GOLD CORP
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NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150623		9.72	19.70	0.06	1.1	0.075	0.65	3.7	5.7	1.62	1840	0.60	4.22	2.4	52.0	320
D150624		6.77	13.55	0.05	0.8	0.040	0.13	2.2	1.2	1.09	1220	9.38	3.67	1.5	31.5	640
D150625		6.30	11.50	<0.05	0.8	0.041	0.21	2.0	1.5	0.85	1090	1.17	2.83	1.5	30.5	540
D150626		9.61	16.60	0.10	0.9	0.063	1.32	3.0	8.7	1.59	1760	0.40	2.62	2.2	44.9	450
D150627		8.69	17.35	0.08	1.0	0.046	0.22	2.5	2.0	1.27	1600	0.28	4.31	2.0	44.7	530
D150628		9.77	19.00	0.09	0.9	0.064	0.60	3.1	6.8	1.67	1680	0.21	3.37	2.4	47.0	380
D150629		9.94	20.6	0.09	0.8	0.071	1.06	3.1	8.8	1.73	1760	3.89	3.09	2.3	50.1	430
D150630		0.11	0.29	0.11	<0.1	0.008	0.02	1.0	0.8	0.90	83	<0.05	0.05	0.1	0.5	70
D150631		7.17	13.35	0.08	0.6	0.048	0.78	2.2	6.0	1.05	1460	0.59	3.07	1.5	36.7	350
D150632		10.35	19.30	0.11	0.5	0.074	3.36	3.2	28.4	1.56	1930	1.85	0.34	2.2	54.5	390
D150633		9.80	19.95	0.10	0.8	0.075	2.13	3.2	21.1	1.38	1900	0.20	1.35	2.5	50.6	360
D150634		10.45	20.6	0.09	0.7	0.074	1.93	3.2	21.9	1.52	2040	0.22	1.58	2.6	55.2	390
D150635		10.55	21.9	0.11	0.8	0.075	2.48	3.3	23.7	1.76	1910	0.47	0.75	2.8	56.4	400
D150636		10.60	20.2	0.10	1.0	0.075	1.29	3.2	18.6	2.21	1820	1.06	2.51	2.9	53.9	380
D150637		10.45	19.15	0.11	0.8	0.071	1.43	2.9	19.7	2.81	1560	1.19	3.11	2.3	51.5	370
D150638		9.60	18.35	0.09	0.8	0.064	0.87	2.7	12.8	2.39	1420	0.16	3.34	2.1	47.2	300
D150639		10.15	19.50	0.11	0.8	0.072	1.49	3.4	12.0	1.87	1720	3.04	2.51	2.4	48.2	320
D150640		2.43	26.0	0.24	2.0	3.76	2.02	22.5	28.4	0.15	81	4.70	0.84	9.2	24.4	550
D150641		9.69	17.60	0.11	0.8	0.067	0.90	3.4	7.5	1.50	1760	2.60	3.41	2.4	50.0	350
D150642		9.56	15.85	0.10	0.9	0.055	0.33	3.0	4.8	1.63	1560	14.65	4.13	2.2	45.0	370
D150643		11.00	20.0	0.09	0.8	0.070	0.40	3.5	11.7	2.68	1620	2.64	3.27	2.2	50.3	480
D150644		11.70	19.70	0.11	0.8	0.070	0.70	3.4	18.8	2.99	1680	2.83	2.06	2.6	59.9	430
D150645		10.20	19.30	0.10	0.9	0.074	0.39	4.2	9.7	1.96	2060	2.96	3.21	2.7	56.2	400
D150646		10.60	20.5	0.10	1.0	0.079	0.43	5.1	10.7	1.77	1800	8.72	2.90	2.7	59.6	390
D150647		12.10	23.9	0.12	0.9	0.083	1.24	3.5	27.6	2.01	2050	0.36	1.35	3.2	63.4	480
D150648		8.77	18.85	0.10	0.8	0.063	1.63	2.8	12.4	1.32	1780	0.13	1.62	2.2	44.3	360
D150649		8.83	18.20	0.09	1.0	0.061	0.58	2.9	3.5	1.43	1670	0.25	3.98	2.2	44.4	520
D150650		0.13	0.23	0.10	<0.1	<0.005	0.02	1.1	0.7	0.86	74	<0.05	0.03	0.1	0.6	70
D150651		7.48	15.90	0.08	0.8	0.051	0.30	2.7	2.9	0.99	1520	0.29	4.10	1.8	38.6	550
D150652		10.25	17.35	0.08	1.0	0.063	0.47	3.3	3.5	1.42	1800	0.83	4.14	2.3	47.5	180
D150653		6.65	12.45	0.09	0.7	0.029	0.22	1.8	1.0	0.67	1080	0.71	3.58	1.2	30.7	450
D150654		8.95	18.05	0.09	1.1	0.051	0.87	2.7	9.7	1.96	1460	0.57	3.28	2.1	43.4	410
D150655		11.35	23.7	0.10	1.4	0.079	1.59	3.6	21.2	3.15	1660	1.44	2.76	2.8	51.6	340
D150656		11.95	22.0	0.11	1.3	0.083	1.57	3.9	19.8	2.83	1730	0.57	3.11	2.9	55.9	280
D150657		9.66	17.50	0.09	0.9	0.063	0.96	2.9	12.0	2.36	1500	0.82	3.27	2.2	49.6	220
D150658		10.40	19.45	0.10	0.9	0.066	1.40	3.1	16.3	2.60	1620	0.19	3.12	2.3	55.8	240
D150659		12.70	22.0	0.12	0.6	0.087	1.29	3.9	26.2	2.55	2010	0.36	1.83	2.1	63.8	460
D150660		3.14	20.9	0.22	2.0	0.135	3.25	34.3	48.4	0.70	358	113.0	2.17	13.3	15.4	890
D150661		12.50	22.0	0.12	0.7	0.086	1.22	3.8	25.3	2.59	1910	0.40	2.20	2.4	61.9	430
D150662		11.30	21.4	0.12	0.6	0.076	1.16	3.7	26.9	2.13	1780	0.76	1.58	2.7	61.6	430

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150623		7.3	28.7	<0.002	5.41	0.37	31.5	1	0.7	169.5	0.14	3.36	0.24	0.614	0.15	0.4
D150624		5.9	4.0	0.006	4.05	0.32	18.4	<1	0.5	127.5	0.09	3.03	0.15	0.395	0.02	0.3
D150625		5.3	7.4	<0.002	4.09	0.30	18.1	1	0.5	105.0	0.08	3.41	0.15	0.375	0.04	0.3
D150626		5.3	55.9	0.002	3.65	0.36	29.6	1	0.6	193.0	0.14	2.79	0.20	0.651	0.26	0.2
D150627		6.6	6.3	<0.002	5.05	0.42	23.6	1	0.5	151.5	0.12	4.57	0.19	0.569	0.04	0.4
D150628		4.7	25.6	<0.002	3.12	0.23	29.7	1	0.6	186.5	0.15	2.85	0.22	0.665	0.13	0.2
D150629		5.0	48.4	0.002	3.05	0.25	32.3	1	0.7	176.0	0.14	1.92	0.21	0.666	0.24	0.2
D150630		<0.5	0.5	<0.002	0.01	0.05	0.3	1	<0.2	88.6	<0.05	<0.05	0.07	0.009	<0.02	0.2
D150631		4.7	33.8	<0.002	2.52	0.27	21.9	1	0.5	119.0	0.10	2.83	0.17	0.436	0.16	0.2
D150632		2.0	138.0	0.006	0.29	0.25	34.0	1	0.6	99.5	0.15	0.17	0.23	0.675	0.71	0.1
D150633		3.0	87.6	<0.002	1.23	0.34	33.1	1	0.7	87.7	0.15	1.59	0.22	0.724	0.48	0.1
D150634		2.5	82.5	<0.002	1.05	0.25	33.9	1	0.7	93.7	0.16	0.96	0.22	0.753	0.41	0.1
D150635		1.8	107.0	<0.002	0.78	0.18	35.6	2	0.7	82.6	0.17	1.40	0.24	0.808	0.56	0.1
D150636		3.6	68.6	0.003	1.05	0.14	35.9	1	0.7	135.0	0.18	0.74	0.22	0.793	0.38	0.1
D150637		3.4	69.3	0.004	0.92	0.09	31.5	1	0.5	135.5	0.14	0.39	0.21	0.719	0.33	0.1
D150638		3.6	43.2	<0.002	1.45	0.10	29.8	1	0.5	145.0	0.13	0.77	0.19	0.622	0.21	0.2
D150639		4.1	69.5	0.003	2.24	0.24	30.6	1	1.1	161.0	0.15	0.90	0.22	0.674	0.34	0.1
D150640		693	68.0	0.002	4.20	314	3.2	32	28.1	330	0.66	45.2	9.62	0.169	1.74	2.6
D150641		4.4	38.1	0.003	2.56	0.51	31.2	1	0.8	134.5	0.14	2.24	0.23	0.671	0.20	0.1
D150642		5.2	16.6	0.004	5.05	0.32	27.7	2	0.9	129.5	0.13	2.33	0.21	0.611	0.10	0.2
D150643		4.2	24.7	<0.002	2.92	0.21	33.0	1	0.8	107.0	0.14	1.04	0.26	0.670	0.17	0.2
D150644		2.1	42.0	0.003	0.44	0.12	35.9	1	0.6	86.5	0.17	0.15	0.28	0.801	0.25	0.1
D150645		2.5	12.3	<0.002	1.74	0.14	35.6	1	0.7	95.3	0.17	0.73	0.26	0.846	0.07	0.1
D150646		3.6	15.3	<0.002	3.43	0.19	35.5	2	0.7	134.5	0.17	1.56	0.37	0.754	0.10	0.2
D150647		0.9	50.4	<0.002	0.07	0.14	40.7	1	1.5	88.1	0.20	0.08	0.30	0.913	0.25	0.1
D150648		3.7	64.7	<0.002	2.52	0.28	29.6	1	0.8	203	0.13	3.12	0.20	0.648	0.33	0.1
D150649		5.4	24.8	<0.002	4.51	0.32	27.4	1	0.6	170.0	0.13	3.42	0.19	0.624	0.13	0.3
D150650		<0.5	0.4	<0.002	0.03	0.12	0.2	1	<0.2	95.2	<0.05	<0.05	0.05	0.006	<0.02	0.1
D150651		4.8	11.0	<0.002	3.75	0.25	22.1	1	0.9	111.0	0.11	3.40	0.16	0.517	0.06	0.2
D150652		6.5	18.5	0.003	5.13	0.43	31.0	2	1.1	162.0	0.14	4.88	0.23	0.661	0.10	0.3
D150653		5.0	6.5	<0.002	4.17	0.29	15.5	1	0.6	81.6	0.07	4.66	0.13	0.354	0.04	0.3
D150654		4.6	44.7	0.002	3.48	0.27	26.4	1	0.8	119.0	0.13	3.29	0.19	0.611	0.25	0.3
D150655		3.7	87.7	0.004	1.76	0.06	37.9	2	0.8	145.0	0.17	0.68	0.24	0.841	0.51	0.2
D150656		3.9	84.0	0.002	2.46	0.09	39.5	2	0.8	123.5	0.18	1.05	0.25	0.843	0.48	0.2
D150657		4.9	47.2	0.003	1.97	0.12	30.0	1	0.4	152.5	0.13	1.25	0.19	0.619	0.23	0.2
D150658		4.5	72.6	<0.002	1.85	0.12	31.2	1	0.5	170.0	0.14	0.89	0.20	0.671	0.34	0.2
D150659		1.5	59.0	<0.002	0.24	0.19	40.0	1	0.7	85.6	0.14	0.07	0.31	0.678	0.33	0.1
D150660		37.1	165.5	0.086	0.76	5.13	8.8	5	4.6	227	1.04	0.68	14.30	0.363	0.84	3.7
D150661		1.9	62.1	0.002	0.24	0.20	38.7	1	0.7	105.0	0.15	0.10	0.28	0.702	0.34	0.1
D150662		2.7	53.8	0.004	0.11	0.37	39.5	1	0.7	129.0	0.17	0.06	0.31	0.777	0.28	0.1

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-GRA22	Cu-OG62
	Analyte	V	W	Y	Zn	Zr	Au	Cu
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	1	0.1	0.1	2	0.5	0.05	0.001
D150623		249	33.1	7.4	106	38.0		
D150624		72	31.0	6.2	70	25.3		
D150625		93	26.6	5.8	62	24.5		
D150626		297	34.8	7.5	106	28.9		
D150627		114	46.3	8.2	95	43.7		
D150628		244	22.8	8.1	103	28.2		
D150629		336	20.2	8.0	109	26.2		
D150630		2	0.6	2.2	4	1.5		
D150631		190	22.3	5.5	77	21.6		
D150632		323	5.3	7.2	100	16.4		
D150633		356	15.6	7.7	101	26.0		
D150634		335	9.5	8.2	119	27.5		
D150635		348	5.2	7.1	127	26.2		
D150636		346	5.7	10.5	128	36.2		
D150637		319	11.1	5.4	129	23.8		
D150638		252	9.7	4.6	116	29.2		
D150639		328	15.7	7.5	109	23.7		
D150640		31	7.6	7.2	1780	63.2	10.30	
D150641		289	25.3	8.5	107	30.0		
D150642		182	26.9	7.4	90	26.3		
D150643		251	18.0	12.8	119	25.2		
D150644		330	9.3	14.6	134	30.0		
D150645		297	53.5	12.2	122	36.0		
D150646		232	13.4	13.6	110	33.5		
D150647		371	1.7	19.1	140	30.9		
D150648		283	23.2	8.6	95	32.5		
D150649		231	32.6	7.2	100	30.6		
D150650		2	0.1	2.3	3	1.1		
D150651		135	23.7	6.8	84	24.4		
D150652		204	120.5	7.0	112	55.4		
D150653		58	32.9	5.1	64	29.5		
D150654		196	29.6	8.5	104	42.1		
D150655		392	5.6	12.0	147	49.0		
D150656		343	6.4	10.7	139	45.7		
D150657		250	14.0	5.6	116	29.5		
D150658		327	11.6	5.8	117	42.9		
D150659		374	5.7	10.3	148	18.1		
D150660		65	9.2	16.1	160	68.6		
D150661		378	6.3	9.4	151	22.0		
D150662		340	1.7	9.2	131	21.2		

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To: NORTHSTAR GOLD CORP
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NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150663		1.48	0.983	0.61	6.51	1.3	120	1.52	0.28	5.18	0.14	12.15	58.9	19	1.76	183.5
D150664		3.06	0.871	0.80	6.23	1.0	90	1.12	0.35	6.14	0.12	12.70	54.7	19	0.98	164.0
D150665		1.67	0.829	0.80	5.79	1.1	50	0.63	0.94	3.77	0.13	8.79	46.2	17	0.62	109.5
D150666		5.13	1.420	0.34	6.46	3.2	30	1.03	1.11	7.90	0.06	10.80	50.8	19	1.06	315
D150667		6.61	0.112	0.15	6.68	4.1	20	0.91	1.43	5.82	0.04	11.35	71.8	21	0.65	596
D150668		6.16	0.775	0.32	6.25	7.0	20	1.21	1.20	7.39	0.06	12.05	60.7	20	0.70	324
D150669		4.39	2.50	0.34	6.31	2.3	10	0.86	5.24	8.38	0.05	8.32	67.2	19	0.33	281
D150670		1.11	0.006	<0.01	0.08	0.3	20	0.05	0.03	33.2	<0.02	0.87	1.0	1	<0.05	2.4
D150671		4.30	0.307	0.15	6.25	0.8	40	1.06	0.26	7.68	0.07	10.35	53.7	20	1.28	133.0
D150672		3.66	0.007	0.05	6.81	1.0	50	0.56	0.06	6.08	0.06	11.20	60.9	21	0.60	176.5
D150673		4.57	0.389	0.16	6.40	4.1	40	1.07	0.17	7.47	0.06	10.30	54.4	20	0.72	130.0
D150674		3.04	0.560	0.24	6.38	8.1	20	0.77	3.22	7.68	0.05	15.10	67.8	19	0.31	219
D150675		2.92	0.728	0.52	6.32	7.3	60	1.14	0.47	5.68	0.12	9.77	52.5	21	0.77	132.5
D150676		3.09	0.620	0.44	5.77	1.7	20	0.60	0.53	6.21	0.06	7.52	39.8	19	0.27	90.9
D150677		2.98	0.673	0.44	6.72	4.7	60	1.44	0.53	7.17	0.04	11.85	59.9	22	0.77	256
D150678		3.04	1.810	0.69	4.90	0.9	60	0.71	4.49	5.36	0.07	8.34	41.9	19	0.39	116.5
D150679		2.19	1.300	0.37	6.43	1.6	50	1.14	0.96	7.00	0.09	12.65	56.9	22	1.06	152.5
D150680		0.12	9.32	9.93	5.82	13.4	370	0.91	0.08	4.81	0.28	25.3	12.0	21	4.23	65.8
D150681		2.61	3.13	1.01	5.20	1.7	20	0.52	2.20	4.63	0.07	9.08	43.3	24	0.24	104.0
D150682		3.01	1.405	0.42	6.40	1.5	60	1.55	0.61	7.18	0.12	11.70	61.2	22	1.16	214

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NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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
D150663		10.50	20.2	0.10	0.6	0.069	1.75	4.2	12.8	1.59	1940	0.86	2.73	2.3	53.7	340
D150664		9.83	19.45	0.10	0.8	0.070	1.10	4.7	7.2	1.52	2080	0.20	3.31	2.6	51.1	340
D150665		8.59	15.60	0.10	0.8	0.048	0.27	3.0	7.3	1.65	1620	6.85	3.52	1.9	41.4	480
D150666		8.59	20.7	0.09	1.1	0.061	0.53	3.6	12.2	1.69	1580	0.29	3.01	2.5	47.2	400
D150667		11.70	21.5	0.09	0.8	0.064	0.31	4.0	19.5	3.69	1340	2.01	1.50	2.5	55.2	360
D150668		10.65	19.90	0.08	0.9	0.066	0.19	4.3	13.0	2.82	1540	3.56	2.29	2.5	51.3	260
D150669		8.00	18.55	0.08	1.5	0.039	0.11	2.5	6.7	1.58	1220	0.19	3.66	2.9	47.9	430
D150670		0.14	0.26	0.10	<0.1	<0.005	0.02	1.1	0.6	0.76	79	0.06	0.04	0.1	0.5	80
D150671		10.55	19.95	0.09	1.2	0.063	0.68	3.5	19.2	2.18	1760	0.63	2.19	2.6	50.9	420
D150672		10.95	18.75	0.09	0.8	0.068	0.42	3.7	22.8	2.01	1740	0.26	2.41	2.8	57.8	400
D150673		10.15	18.80	0.08	1.1	0.067	0.52	3.4	13.9	1.75	1900	0.20	2.55	2.8	50.9	400
D150674		9.75	20.5	0.08	1.2	0.042	0.22	5.9	11.8	2.01	1400	0.30	3.01	2.6	51.6	360
D150675		9.00	19.50	0.07	0.9	0.057	0.95	3.3	6.8	1.36	1960	0.59	3.41	2.4	47.1	330
D150676		7.30	17.05	0.07	0.9	0.042	0.42	2.5	6.8	1.11	1540	0.51	3.73	1.8	37.3	460
D150677		10.95	23.3	0.09	1.1	0.083	1.22	4.3	19.8	2.08	1720	1.43	1.79	2.8	57.9	370
D150678		7.15	13.45	0.07	0.6	0.045	0.39	3.2	3.4	1.08	1580	559	3.42	1.5	37.9	420
D150679		9.22	21.0	0.10	1.1	0.072	1.28	6.1	10.0	1.29	2060	3.00	2.74	2.7	56.0	440
D150680		3.41	11.95	0.13	1.8	0.035	1.90	12.4	43.8	1.23	917	5.29	1.47	2.3	10.5	690
D150681		7.64	15.60	0.09	1.0	0.045	0.34	3.3	6.5	0.92	1520	1.34	3.40	1.8	39.2	540
D150682		10.60	22.4	0.10	1.2	0.079	1.61	4.1	13.0	1.82	2170	0.45	2.22	2.9	56.2	340

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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
D150663		3.6	76.5	0.005	1.97	0.37	33.7	2	0.6	128.0	0.14	1.88	0.25	0.655	0.41	0.1
D150664		3.6	46.3	<0.002	2.11	0.34	33.3	1	0.6	150.5	0.16	1.52	0.24	0.738	0.21	0.1
D150665		4.7	9.0	0.002	3.04	0.22	25.8	2	0.5	120.5	0.12	1.75	0.20	0.532	0.05	0.2
D150666		4.1	24.9	<0.002	2.39	0.21	31.4	1	0.7	142.5	0.15	2.01	0.22	0.704	0.14	0.3
D150667		2.4	14.7	0.003	1.81	0.15	36.6	2	1.0	83.1	0.16	1.32	0.27	0.798	0.09	0.2
D150668		4.8	8.5	0.004	3.21	0.16	35.3	2	0.7	147.5	0.16	2.74	0.25	0.763	0.05	0.2
D150669		5.1	2.8	<0.002	4.65	0.14	31.2	2	0.8	113.0	0.17	4.19	0.28	0.785	0.02	0.4
D150670		<0.5	0.4	<0.002	0.01	0.05	0.2	2	<0.2	87.6	<0.05	<0.05	0.08	0.007	<0.02	0.1
D150671		3.0	32.3	<0.002	1.52	0.10	32.7	1	0.7	152.5	0.16	0.86	0.25	0.771	0.20	0.2
D150672		1.3	20.1	<0.002	0.35	0.21	36.3	1	0.9	97.9	0.17	0.19	0.27	0.808	0.11	0.1
D150673		2.6	22.6	<0.002	0.98	0.12	34.3	1	0.8	118.5	0.17	0.86	0.26	0.803	0.12	0.1
D150674		4.9	6.7	<0.002	4.07	0.14	32.6	2	0.8	113.5	0.16	3.83	0.24	0.753	0.04	0.2
D150675		4.8	38.5	<0.002	3.31	0.46	30.3	1	0.6	137.0	0.14	2.44	0.24	0.646	0.21	0.2
D150676		4.1	15.4	<0.002	3.82	0.29	21.8	1	0.5	140.0	0.11	2.10	0.18	0.516	0.07	0.3
D150677		3.4	55.2	0.002	2.64	0.25	37.3	2	0.8	111.5	0.16	1.60	0.28	0.779	0.26	0.2
D150678		20.0	16.6	0.036	3.10	0.23	23.0	2	0.6	142.0	0.09	3.18	0.19	0.400	0.11	0.2
D150679		5.4	55.0	<0.002	2.07	0.32	33.5	2	0.7	176.5	0.16	1.41	0.31	0.756	0.28	0.3
D150680		16.9	70.9	0.002	0.45	2.11	13.8	1	0.7	361	0.13	4.58	2.88	0.305	0.54	0.7
D150681		8.3	12.3	0.002	4.47	0.37	22.8	1	0.5	104.0	0.11	3.78	0.21	0.513	0.06	0.4
D150682		4.7	76.9	<0.002	2.80	0.31	39.1	2	0.8	189.5	0.17	1.48	0.26	0.807	0.35	0.3

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-GRA22	Cu-OG62
	Analyte	V	W	Y	Zn	Zr	Au	Cu
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	1	0.1	0.1	2	0.5	0.05	0.001
D150663		356	21.7	7.8	103	21.6		
D150664		340	30.8	8.0	106	26.3		
D150665		158	21.3	9.1	91	30.6		
D150666		283	15.9	13.9	76	46.9		
D150667		385	10.0	14.5	126	26.1		
D150668		343	10.8	16.9	103	27.8		
D150669		196	16.3	19.5	68	61.4		
D150670		2	0.1	2.1	2	1.4		
D150671		332	5.6	13.2	118	38.6		
D150672		331	2.9	14.7	115	28.4		
D150673		336	4.6	16.0	96	31.8		
D150674		347	10.1	18.2	86	43.9		
D150675		253	42.6	7.6	94	32.5		
D150676		145	29.8	7.4	62	38.0		
D150677		463	21.0	9.7	108	36.4		
D150678		154	9.1	7.7	60	22.1		
D150679		279	27.6	10.1	91	34.6		
D150680		111	1.8	11.1	76	73.6		
D150681		122	36.4	9.3	65	34.3		
D150682		464	29.8	9.7	127	41.9		

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

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NEW LISKEARD ON P0J 1P0

Finalized Date: 8-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21268067

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 Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-GRA22	Au-ICP22	Cu-OG62	ME-MS61
	ME-OG62			
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.			
	CRU-32	CRU-QC	LOG-21	LOG-23
	PUL-35a	PUL-QC	SPL-21	WEI-21

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 26-OCT-2021
Account: NHSYFR

CERTIFICATE TM21277614

Project: Miller Gold Project

This report is for 8 samples of Rock submitted to our lab in Timmins, ON, Canada on 13-OCT-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
CRU-32	Fine Crushing 90% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-MS61	48 element four acid 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, General Manager, North Vancouver

ALS Canada Ltd.
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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 26-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277614

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP22 Au ppm 0.001	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
D150407		1.34	2.89	0.34	6.92	0.8	150	3.29	3.90	5.06	0.05	17.40	44.2	44	6.12	131.0
D150408		2.01	0.120	0.04	6.41	0.3	90	1.00	0.15	1.25	0.09	18.25	10.2	78	0.90	17.2
D150409		1.98	0.039	0.55	6.26	0.6	40	0.78	0.63	0.66	0.02	5.59	12.6	50	0.15	5420
D150410		1.32	<0.001	<0.01	0.13	<0.2	30	0.07	0.10	32.9	<0.02	0.85	1.1	2	<0.05	12.2
D150411		2.33	0.105	0.61	7.36	0.7	40	0.92	0.63	0.56	0.02	6.79	14.8	44	0.18	4830
D150412		1.98	<0.001	0.05	0.93	0.5	10	0.07	0.20	0.58	<0.02	0.38	2.1	38	0.15	32.0
D150413		1.67	<0.001	0.03	0.80	0.5	20	0.09	0.07	0.38	<0.02	1.33	4.7	43	0.71	14.2
D150414		0.12	9.76	47.9	5.75	2900	140	1.37	211	0.24	11.65	46.3	7.1	38	1.99	9270

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 26-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277614

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
D150407		11.25	23.2	0.09	1.8	0.087	1.59	6.9	45.0	2.25	1080	56.7	2.24	2.4	27.9	540
D150408		2.59	15.15	0.05	2.0	0.022	0.67	8.8	9.7	0.44	466	0.52	4.27	1.3	30.2	190
D150409		3.64	14.35	0.05	2.1	0.088	0.07	1.4	26.5	1.40	329	3.52	4.10	4.9	22.5	460
D150410		0.12	0.30	<0.05	0.1	<0.005	0.02	1.0	0.7	0.76	67	0.06	0.08	0.1	0.6	70
D150411		4.11	17.25	0.05	2.6	0.111	0.08	1.6	22.6	1.66	368	1.81	4.96	5.9	25.8	440
D150412		1.15	2.05	<0.05	0.1	0.005	0.03	<0.5	1.2	0.15	159	69.8	0.64	0.2	2.1	70
D150413		1.92	2.29	<0.05	0.3	0.012	0.05	0.5	2.4	0.25	247	16.25	0.45	0.5	4.3	90
D150414		2.27	24.0	0.15	1.9	3.86	1.90	21.4	25.2	0.14	74	4.53	0.78	8.1	22.3	510

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 26-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277614

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
D150407		7.7	99.3	0.011	4.42	0.33	35.0	2	0.8	191.0	0.14	2.86	0.91	0.462	0.48	0.4
D150408		5.2	32.4	<0.002	0.33	0.15	8.1	1	0.4	110.5	0.10	1.11	1.15	0.139	0.12	0.4
D150409		1.7	1.5	<0.002	0.50	0.07	10.4	1	0.6	56.7	0.25	0.35	3.03	0.361	<0.02	0.9
D150410		<0.5	0.4	<0.002	0.02	0.06	0.4	2	<0.2	87.8	<0.05	<0.05	0.06	0.010	<0.02	0.2
D150411		1.6	1.8	<0.002	0.35	0.06	13.2	1	0.7	64.6	0.32	0.45	3.91	0.445	0.02	1.0
D150412		0.7	1.0	0.011	0.22	0.06	1.4	1	<0.2	25.1	<0.05	0.14	0.02	0.035	<0.02	<0.1
D150413		0.5	3.6	0.002	0.20	0.05	5.4	1	<0.2	10.1	<0.05	0.05	0.05	0.142	0.02	<0.1
D150414		653	63.9	<0.002	3.94	295	2.9	30	26.7	302	0.63	45.1	8.94	0.158	1.51	2.7

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 26-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277614

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	1	0.1	0.1	2	0.5
D150407		327	9.2	20.4	102	72.6
D150408		125	5.6	4.5	57	77.3
D150409		93	1.7	8.7	45	76.7
D150410		2	<0.1	2.1	2	2.0
D150411		112	3.0	11.3	57	96.9
D150412		12	0.2	0.9	7	2.3
D150413		38	0.3	2.8	13	10.7
D150414		28	7.0	6.6	1650	59.5

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 26-OCT-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277614

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 Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP22 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

CERTIFICATE TM21277761

Project: Miller Gold Project

This report is for 67 samples of Rock submitted to our lab in Timmins, ON, Canada on 13-OCT-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
CRU-32	Fine Crushing 90% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

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	

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: **samples D150763 and D150764 were completely blended together**

Signature:

Saa Traxler, General Manager, North Vancouver

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www.alsglobal.com/geochemistry

To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150701		5.41	1.140	0.66	3.91	0.3	320	1.07	2.99	1.43	0.06	31.9	6.7	19	0.63	23.5
D150702		1.10	0.005	<0.01	0.08	0.6	20	<0.05	0.02	33.5	<0.02	0.97	0.5	1	<0.05	1.0
D150703		1.41	>10.0	19.90	0.04	0.6	30	<0.05	40.5	0.16	0.26	0.33	1.8	22	0.09	120.0
D150704		1.40	0.056	0.03	0.24	0.4	20	0.06	0.14	31.7	<0.02	1.19	0.6	2	<0.05	1.3
D150705		3.08	9.97	4.22	0.03	0.5	10	<0.05	8.86	0.10	0.06	0.22	1.1	30	<0.05	30.4
D150706		1.50	0.024	0.01	0.38	0.3	40	0.21	0.06	31.7	<0.02	0.99	0.6	1	0.08	1.9
D150707		3.06	0.009	0.10	0.01	<0.2	10	<0.05	0.07	0.10	0.02	0.07	0.6	35	<0.05	9.5
D150708		1.41	3.52	0.51	6.53	1.1	460	1.69	0.85	4.84	0.13	10.50	49.1	30	1.64	176.0
D150709		1.98	0.613	0.12	5.65	0.8	420	1.30	0.24	1.34	0.10	47.1	10.2	13	0.70	35.8
D150710		1.24	0.004	<0.01	0.06	<0.2	30	<0.05	0.01	34.0	<0.02	0.85	0.5	3	<0.05	1.8
D150711		2.00	0.500	0.18	0.25	0.7	30	<0.05	1.02	0.12	0.32	1.88	1.7	32	0.12	57.5
D150712		1.96	>10.0	8.23	2.34	1.0	100	0.59	39.6	1.73	0.15	4.51	20.0	31	0.39	122.5
D150713		1.23	0.003	0.01	0.18	0.3	20	0.08	0.10	32.2	<0.02	0.76	0.6	<1	<0.05	1.2
D150714		3.50	0.740	0.58	0.76	0.6	150	0.18	3.03	0.26	0.04	6.20	1.6	27	0.12	35.3
D150715		2.45	0.785	0.67	0.06	0.3	40	<0.05	2.38	0.03	0.03	0.40	0.3	31	<0.05	12.4
D150716		3.60	1.440	0.59	1.55	0.4	150	0.33	2.52	0.10	0.11	13.00	3.1	26	0.29	25.5
D150717		2.67	1.980	0.84	0.41	0.2	60	0.09	3.70	0.10	0.06	3.25	1.1	30	0.07	9.5
D150718		0.98	0.005	0.01	0.05	0.2	20	0.06	0.09	31.3	<0.02	0.79	0.5	1	<0.05	1.1
D150719		1.99	0.842	0.54	0.13	0.4	60	<0.05	3.15	0.08	<0.02	0.82	0.6	20	<0.05	11.1
D150720		0.12	>10.0	49.3	6.07	2930	70	1.39	224	0.25	13.15	50.2	7.2	40	2.24	9330
D150721		3.13	0.015	0.03	0.02	2.1	10	<0.05	0.20	0.03	0.02	0.08	0.2	38	<0.05	12.6
D150722		2.31	1.285	0.84	2.97	1.0	350	0.84	4.20	1.09	0.14	24.4	5.8	21	0.63	17.4
D150723		2.68	0.748	0.24	0.07	0.7	10	<0.05	0.79	0.04	0.07	0.57	0.5	35	0.09	14.6
D150724		1.80	0.081	0.01	5.85	0.6	130	0.70	0.05	4.23	0.15	10.10	39.1	26	1.65	147.5
D150725		1.53	0.060	0.02	0.04	0.4	<10	<0.05	0.01	0.03	0.02	0.39	0.4	34	0.05	5.8
D150726		1.46	0.018	0.03	5.22	1.0	270	1.03	0.08	3.74	0.13	8.24	35.6	38	1.62	116.0
D150727		2.62	0.002	0.22	7.58	0.7	140	0.63	0.02	3.54	0.19	12.90	54.4	27	1.34	190.0
D150728		1.70	0.848	0.32	4.90	0.7	320	1.20	0.21	2.07	0.12	10.50	34.1	31	0.97	125.5
D150729		1.85	0.660	0.38	6.27	0.6	80	1.27	0.37	4.65	0.13	13.85	43.1	24	1.12	189.0
D150730		1.32	0.001	<0.01	0.39	<0.2	40	0.21	0.01	33.2	<0.02	0.97	2.3	5	<0.05	13.6
D150731		1.58	0.912	0.32	4.39	0.7	60	0.62	0.52	2.09	0.12	6.99	30.6	26	0.73	118.0
D150732		2.53	0.492	0.24	7.03	0.7	90	1.45	0.37	4.08	0.16	12.95	53.9	26	1.37	206
D150733		1.72	0.935	0.30	6.61	0.8	70	1.15	0.51	3.30	0.20	11.40	46.0	27	1.21	165.5
D150734		1.33	1.800	0.61	5.91	0.8	70	1.02	1.53	1.88	0.20	10.70	44.5	25	0.74	164.0
D150735		1.11	1.490	0.74	3.95	0.7	100	0.51	1.90	1.10	0.09	9.03	26.1	25	0.30	107.5
D150736		4.33	0.555	0.21	6.52	1.0	180	1.02	0.25	3.97	0.19	11.45	49.1	26	1.34	178.0
D150737		2.39	0.474	0.20	6.97	1.2	220	1.27	0.32	3.89	0.17	12.95	48.6	26	1.75	164.5
D150738		3.93	0.865	0.17	6.67	0.8	250	1.40	0.23	4.80	0.18	11.05	51.7	24	1.60	157.5
D150739		4.64	1.175	0.43	5.84	0.8	70	1.13	0.61	3.88	0.19	11.20	44.1	24	0.89	181.0
D150740		0.12	>10.0	51.1	6.31	3070	60	1.46	227	0.26	12.95	49.8	7.4	41	2.20	9890

Comments: **samples D150763 and D150764 were completely blended together**

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

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
D150701		2.53	10.95	0.14	1.7	0.028	0.88	15.4	3.4	0.47	506	0.17	1.96	2.1	2.7	640
D150702		0.11	0.30	0.20	<0.1	<0.005	0.02	1.1	1.1	0.85	68	0.06	0.03	0.1	0.5	70
D150703		0.83	0.25	0.13	<0.1	<0.005	0.01	<0.5	0.6	0.01	101	0.32	0.02	<0.1	1.5	10
D150704		0.12	0.77	0.15	0.1	<0.005	0.03	1.2	1.1	1.18	73	0.05	0.14	0.3	0.5	110
D150705		0.61	0.20	0.10	<0.1	<0.005	0.01	<0.5	0.2	0.01	74	0.28	0.02	<0.1	1.3	10
D150706		0.14	1.29	0.16	0.3	<0.005	0.14	1.1	1.3	1.19	84	0.05	0.19	0.5	0.4	60
D150707		0.60	0.14	0.10	<0.1	<0.005	<0.01	<0.5	<0.2	0.01	70	0.28	0.01	<0.1	1.4	<10
D150708		9.51	20.9	0.10	1.1	0.087	2.90	3.6	11.7	1.13	2100	3.52	1.18	1.6	44.9	450
D150709		3.49	14.75	0.12	2.4	0.036	1.03	22.1	6.7	0.40	788	0.22	3.26	3.1	4.4	1050
D150710		0.13	0.22	0.11	<0.1	<0.005	0.02	1.0	0.8	0.83	76	0.05	0.03	0.1	0.3	60
D150711		0.90	0.68	0.07	0.1	<0.005	0.03	0.9	0.3	0.01	123	0.30	0.19	0.2	1.6	40
D150712		4.17	7.78	<0.05	0.5	0.030	0.58	1.9	2.9	0.54	570	0.79	1.12	1.0	17.0	120
D150713		0.12	0.59	0.09	0.1	<0.005	0.08	0.9	0.9	0.89	68	<0.05	0.09	0.2	0.4	60
D150714		0.88	2.54	0.06	0.3	0.008	0.13	3.0	1.0	0.07	128	0.26	0.45	0.4	1.6	70
D150715		0.55	0.22	<0.05	<0.1	<0.005	0.01	<0.5	<0.2	<0.01	63	0.24	0.04	<0.1	1.2	10
D150716		1.28	4.60	0.06	0.6	0.011	0.31	5.5	1.4	0.05	277	0.28	0.87	0.8	2.1	210
D150717		0.80	1.14	0.05	0.2	<0.005	0.05	1.5	0.5	0.03	106	0.24	0.27	0.2	1.9	40
D150718		0.12	0.22	0.09	<0.1	<0.005	0.01	1.0	0.8	1.09	69	0.05	0.02	0.1	0.5	60
D150719		0.76	0.45	0.05	<0.1	<0.005	0.02	<0.5	<0.2	0.01	87	0.26	0.09	0.1	1.7	10
D150720		2.30	24.2	0.19	2.0	4.18	1.95	23.1	29.1	0.15	76	5.13	0.80	8.6	23.9	530
D150721		0.51	0.11	0.06	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	62	0.29	0.01	<0.1	1.3	<10
D150722		2.24	7.47	0.09	1.2	0.022	0.78	11.9	3.8	0.37	384	0.21	1.41	1.6	2.9	740
D150723		0.68	0.26	0.07	<0.1	<0.005	0.01	<0.5	<0.2	0.01	84	0.32	0.05	<0.1	1.7	60
D150724		9.89	17.10	0.09	0.5	0.080	2.67	3.3	8.6	1.61	1730	0.37	0.36	0.9	33.7	380
D150725		0.68	0.18	0.05	<0.1	<0.005	0.01	<0.5	<0.2	0.01	85	0.27	0.02	0.1	1.4	10
D150726		7.63	14.15	0.07	0.5	0.060	2.79	3.1	8.0	1.09	1430	0.34	0.28	0.9	43.7	290
D150727		10.15	23.1	0.10	0.8	0.097	2.29	4.2	12.0	1.39	2010	0.23	1.58	1.2	51.9	480
D150728		6.80	17.30	0.08	0.8	0.063	1.84	3.7	4.1	0.71	1390	0.32	1.32	1.0	31.0	250
D150729		8.05	21.5	0.08	1.1	0.082	2.20	5.1	4.6	1.38	1620	0.22	2.00	1.6	37.8	250
D150730		0.20	0.74	0.08	0.1	0.006	0.04	1.1	0.8	0.94	78	0.09	0.21	0.2	1.5	80
D150731		5.63	13.40	0.05	0.7	0.050	1.42	2.8	3.0	0.65	1060	0.23	1.51	1.0	27.7	160
D150732		9.90	22.9	0.09	1.2	0.089	2.91	4.3	6.4	1.60	1700	0.20	1.49	1.3	45.3	330
D150733		8.28	20.1	0.07	1.1	0.076	2.50	4.0	5.0	1.08	1620	0.23	1.73	1.4	41.4	300
D150734		7.68	19.85	0.08	1.3	0.072	1.36	3.9	3.3	0.60	1460	1.42	2.90	1.1	38.5	120
D150735		4.47	12.70	0.06	0.9	0.038	0.48	3.6	2.2	0.37	757	0.30	2.49	1.1	24.9	60
D150736		8.87	20.5	0.08	1.0	0.084	2.45	4.2	6.4	1.30	1810	0.32	1.53	1.4	45.4	360
D150737		8.06	22.1	0.08	1.1	0.092	3.00	5.0	7.8	1.12	1720	0.23	1.24	1.3	46.9	440
D150738		8.31	22.2	0.08	1.1	0.085	2.85	4.2	8.1	1.47	1620	0.23	1.38	1.4	45.4	490
D150739		7.20	20.8	0.06	1.3	0.071	1.69	4.5	6.2	1.17	1490	0.21	2.38	1.4	39.2	290
D150740		2.41	26.1	0.16	2.0	4.09	2.03	22.1	29.5	0.15	81	5.12	0.84	8.9	25.2	560

Comments: **samples D150763 and D150764 were completely blended together**

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

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
D150701		10.2	40.2	<0.002	0.77	0.16	5.1	1	1.7	246	0.12	3.45	1.99	0.146	0.15	0.7
D150702		<0.5	0.5	<0.002	<0.01	<0.05	0.2	1	<0.2	89.5	<0.05	<0.05	0.05	0.006	<0.02	0.1
D150703		10.2	0.4	<0.002	0.03	0.09	0.1	1	1.0	16.8	<0.05	48.0	0.01	<0.005	<0.02	<0.1
D150704		<0.5	0.6	<0.002	<0.01	<0.05	1.3	1	0.2	85.0	<0.05	0.15	0.07	0.049	<0.02	0.2
D150705		3.7	0.2	<0.002	0.02	0.08	0.1	1	3.4	7.0	<0.05	8.76	0.01	<0.005	<0.02	<0.1
D150706		0.8	5.3	<0.002	<0.01	<0.05	0.2	1	0.2	84.4	0.07	<0.05	0.18	0.006	0.05	0.4
D150707		0.6	0.1	<0.002	<0.01	0.09	<0.1	<1	1.6	4.1	<0.05	0.09	<0.01	<0.005	<0.02	<0.1
D150708		6.2	125.5	<0.002	1.99	0.20	31.8	1	1.0	204	0.10	1.07	0.23	0.418	0.57	0.2
D150709		6.6	43.1	<0.002	0.75	0.19	7.6	<1	0.9	221	0.18	0.23	2.90	0.214	0.18	0.9
D150710		<0.5	0.4	<0.002	0.01	<0.05	0.2	1	<0.2	88.8	<0.05	<0.05	0.05	0.005	<0.02	0.1
D150711		7.2	1.1	<0.002	0.08	0.11	0.3	1	2.1	33.8	<0.05	1.01	0.12	0.010	0.02	<0.1
D150712		24.8	27.6	<0.002	1.38	0.20	9.7	1	1.6	105.0	0.05	35.3	0.15	0.224	0.13	0.3
D150713		<0.5	1.9	<0.002	<0.01	<0.05	0.2	1	<0.2	86.9	<0.05	0.07	0.06	0.005	0.02	0.2
D150714		5.6	5.7	<0.002	0.17	0.11	1.2	1	1.6	41.7	<0.05	1.95	0.41	0.030	0.02	0.1
D150715		4.2	0.3	<0.002	0.01	0.07	0.1	1	1.5	6.6	<0.05	1.94	0.02	<0.005	<0.02	<0.1
D150716		6.3	13.4	<0.002	0.25	0.12	2.1	1	2.6	61.6	0.05	2.59	0.77	0.060	0.06	0.2
D150717		30.8	1.7	<0.002	0.11	0.09	0.6	1	0.5	26.3	<0.05	2.71	0.21	0.017	<0.02	0.1
D150718		<0.5	0.2	<0.002	<0.01	<0.05	0.1	1	<0.2	79.6	<0.05	0.05	0.05	<0.005	<0.02	0.1
D150719		4.7	0.4	<0.002	0.05	0.08	0.2	1	0.5	6.5	<0.05	1.59	0.06	0.006	<0.02	<0.1
D150720		656	65.9	<0.002	4.02	294	3.0	31	28.7	317	0.62	47.1	8.88	0.164	1.86	2.6
D150721		0.9	0.1	<0.002	0.01	0.29	<0.1	1	1.1	3.5	<0.05	0.06	0.01	<0.005	<0.02	<0.1
D150722		18.9	35.1	<0.002	0.42	0.19	3.9	<1	0.6	270	0.08	4.13	1.45	0.121	0.16	0.5
D150723		4.5	0.3	0.002	0.01	0.08	0.2	1	1.1	13.1	<0.05	1.56	0.02	<0.005	<0.02	<0.1
D150724		1.6	104.0	0.003	0.10	0.11	30.4	1	0.7	108.0	0.07	0.09	0.19	0.258	0.62	<0.1
D150725		1.0	0.4	<0.002	<0.01	0.08	0.1	1	0.2	4.9	<0.05	0.06	0.01	<0.005	<0.02	<0.1
D150726		2.5	111.0	0.002	0.17	0.16	25.8	1	1.1	105.0	0.06	0.10	0.17	0.265	0.57	<0.1
D150727		0.8	83.0	<0.002	0.19	0.11	38.7	1	1.4	84.3	0.08	<0.05	0.23	0.292	0.44	0.1
D150728		3.4	74.1	<0.002	1.09	0.17	25.9	1	2.3	71.5	0.06	0.45	0.20	0.272	0.38	0.2
D150729		5.3	88.0	<0.002	2.26	0.22	33.5	1	1.4	172.5	0.09	0.82	0.24	0.389	0.44	0.3
D150730		<0.5	0.9	<0.002	0.04	0.07	1.1	1	0.2	91.1	<0.05	<0.05	0.08	0.037	<0.02	0.2
D150731		3.1	57.9	<0.002	1.01	0.12	20.4	1	1.4	66.0	0.06	0.87	0.16	0.234	0.29	0.2
D150732		4.8	109.0	<0.002	1.65	0.17	37.7	1	3.0	122.0	0.09	0.86	0.26	0.318	0.56	0.2
D150733		4.8	95.5	0.002	1.55	0.14	33.3	1	1.6	101.5	0.08	0.99	0.24	0.319	0.51	0.2
D150734		10.2	55.7	0.010	3.18	0.16	29.5	1	2.3	94.2	0.07	1.94	0.24	0.273	0.29	0.4
D150735		8.8	20.2	<0.002	1.56	0.15	17.0	1	1.0	72.2	0.06	2.07	0.28	0.256	0.12	0.4
D150736		3.5	96.3	<0.002	1.06	0.15	35.1	1	0.8	114.0	0.08	0.47	0.24	0.321	0.46	0.2
D150737		3.6	123.0	<0.002	0.62	0.15	36.8	1	0.9	97.8	0.08	0.43	0.25	0.302	0.63	0.1
D150738		4.1	116.5	<0.002	0.86	0.16	36.0	1	0.9	127.5	0.09	0.43	0.25	0.345	0.61	0.2
D150739		7.0	72.4	<0.002	2.08	0.15	30.7	1	1.1	147.5	0.08	1.06	0.25	0.332	0.33	0.3
D150740		684	65.0	<0.002	4.16	306	3.3	32	29.3	327	0.65	47.5	9.00	0.170	1.87	2.6

Comments: **samples D150763 and D150764 were completely blended together**

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

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NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-GRA22
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	1	0.1	0.1	2	0.5	0.05
D150701		159	10.8	7.2	34	64.1	
D150702		1	0.2	2.1	3	1.6	
D150703		2	0.1	0.2	8	<0.5	38.9
D150704		11	<0.1	2.9	3	4.9	
D150705		1	0.1	0.1	3	<0.5	
D150706		1	<0.1	2.7	3	5.4	
D150707		<1	<0.1	<0.1	<2	<0.5	
D150708		384	8.1	6.9	106	38.8	
D150709		155	13.1	12.9	50	94.1	
D150710		1	<0.1	2.0	2	1.5	
D150711		5	0.7	0.6	10	3.7	
D150712		151	8.7	3.6	35	16.0	12.25
D150713		1	<0.1	2.1	3	1.5	
D150714		33	3.7	1.4	7	12.0	
D150715		1	0.3	0.1	2	0.7	
D150716		50	7.0	2.8	14	24.3	
D150717		7	1.4	0.7	6	6.0	
D150718		1	<0.1	1.8	4	1.1	
D150719		2	0.8	0.2	2	1.7	
D150720		30	7.2	6.8	1680	62.6	9.76
D150721		<1	0.1	<0.1	2	<0.5	
D150722		62	5.1	5.6	31	49.2	
D150723		1	82.7	0.3	8	<0.5	
D150724		294	2.0	5.0	78	28.8	
D150725		1	0.3	0.1	3	<0.5	
D150726		234	4.2	5.2	69	17.8	
D150727		377	1.1	6.5	116	34.3	
D150728		326	4.4	5.7	82	29.9	
D150729		364	5.7	7.2	102	42.9	
D150730		9	0.3	2.6	3	4.0	
D150731		222	3.2	4.0	73	24.6	
D150732		403	4.3	6.8	134	42.0	
D150733		365	4.4	6.3	114	41.7	
D150734		316	7.0	6.7	110	47.0	
D150735		141	7.1	4.2	59	33.5	
D150736		352	3.7	6.8	108	39.0	
D150737		373	4.0	7.3	100	38.0	
D150738		388	5.7	6.9	107	39.8	
D150739		336	7.5	7.1	105	49.5	
D150740		32	7.6	6.7	1760	62.3	9.82

Comments: **samples D150763 and D150764 were completely blended together**

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

Sample Description	Method	WEI-21	Au-ICP22	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.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D150741		3.40	1.930	0.86	4.17	2.7	70	0.93	0.97	1.92	0.13	8.86	31.7	33	0.87	107.0
D150742		3.00	0.124	0.07	7.12	1.6	120	1.00	0.12	3.78	0.21	13.30	54.6	25	1.31	162.0
D150743		4.65	0.702	0.37	6.08	1.4	110	1.09	0.42	4.91	0.21	10.25	44.2	23	1.07	148.5
D150744		3.90	1.790	1.09	3.04	0.7	40	0.41	1.45	2.04	0.13	5.12	22.1	25	0.37	79.7
D150745		6.32	0.129	0.12	6.67	1.7	240	1.34	0.10	5.00	0.18	12.95	48.2	25	1.80	218
D150746		3.67	1.285	0.39	1.96	1.1	170	0.32	0.70	1.54	0.15	5.16	15.3	31	0.29	101.0
D150747		4.38	1.465	0.43	4.77	0.8	200	0.74	0.68	4.12	0.13	9.22	34.5	25	0.62	112.5
D150748		4.17	1.185	1.33	5.74	1.5	240	0.84	0.59	3.94	0.23	13.20	35.8	36	1.03	209
D150749		4.42	2.46	0.50	5.01	2.1	90	0.75	1.11	3.42	0.29	13.05	44.9	33	0.88	183.0
D150750		1.46	0.007	0.01	0.61	1.3	40	0.41	0.04	32.0	<0.02	1.11	0.9	4	0.08	6.2
D150751		4.46	2.22	1.32	1.65	2.3	50	0.36	2.38	1.65	0.05	4.85	9.8	23	0.13	23.6
D150752		1.06	0.006	<0.01	0.05	<0.2	20	<0.05	0.01	33.6	<0.02	0.75	0.5	1	<0.05	1.0
D150753		3.12	0.082	0.67	0.13	0.3	10	0.06	0.35	0.17	0.02	0.60	1.1	30	<0.05	4.1
D150754		2.95	0.013	0.26	0.03	0.3	<10	<0.05	0.04	0.03	<0.02	0.16	0.4	40	<0.05	1.9
D150755		2.64	0.223	0.33	0.41	0.3	10	<0.05	0.54	0.10	<0.02	1.17	1.8	37	<0.05	4.0
D150756		4.03	0.595	1.12	1.98	4.0	130	0.71	0.69	1.33	0.10	8.01	10.5	26	0.65	31.9
D150757		2.58	4.31	2.59	4.66	10.5	170	1.01	2.70	3.74	0.16	17.20	27.9	10	0.82	194.5
D150758		4.47	6.79	2.93	4.26	4.7	160	0.89	2.94	2.69	0.09	15.95	24.5	11	0.35	125.0
D150759		5.37	0.227	2.38	0.59	0.8	20	0.07	0.78	0.24	<0.02	1.97	3.1	33	0.06	13.4
D150760		1.30	0.004	0.01	0.19	<0.2	30	0.16	0.02	33.1	<0.02	0.89	0.7	3	0.06	2.3
D150761		4.56	0.049	1.29	0.36	0.3	10	0.05	0.12	0.11	<0.02	2.11	1.0	31	0.07	11.2
D150762		4.58	0.521	0.79	0.43	0.3	10	0.05	0.51	0.17	<0.02	1.66	1.7	37	0.05	9.9
D150763		1.69	1.725	0.39	2.08	6.2	140	0.74	1.04	2.22	0.05	6.85	11.9	25	0.62	35.9
D150764		4.53	1.795	0.42	2.11	6.6	140	0.74	1.03	2.27	0.05	7.05	12.2	25	0.63	35.5
D150765		6.80	5.27	1.44	5.87	18.0	110	2.67	1.14	4.70	0.11	25.6	33.2	5	0.72	98.2
D150766		3.71	0.176	2.38	0.69	0.4	10	0.08	0.47	0.26	<0.02	2.17	2.3	38	0.07	11.8
D150767		5.79	0.817	0.54	4.49	0.6	200	1.09	0.45	2.88	0.07	30.3	12.5	18	0.37	28.3

Comments: **samples D150763 and D150764 were completely blended together**

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

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
D150741		5.47	14.45	0.07	0.9	0.056	1.42	3.9	8.1	0.65	1130	0.26	1.28	1.0	28.5	200
D150742		9.39	20.1	0.08	1.1	0.090	2.22	4.5	10.1	1.52	2080	0.74	1.93	1.5	49.5	480
D150743		7.73	19.40	0.07	1.3	0.081	2.12	3.4	8.9	1.55	1660	0.25	1.79	1.9	39.3	230
D150744		4.53	9.26	<0.05	0.7	0.035	0.42	2.0	3.3	0.65	867	0.20	1.77	0.9	18.3	100
D150745		7.87	21.2	0.08	1.2	0.112	3.01	4.3	18.2	2.09	1720	0.30	0.44	1.8	42.8	410
D150746		3.06	7.01	0.05	0.5	0.054	0.28	2.1	2.5	0.44	617	0.63	1.16	0.8	13.2	210
D150747		5.85	15.80	0.05	1.2	0.068	0.84	3.7	6.1	1.26	1200	0.23	2.74	1.7	29.6	200
D150748		8.24	18.70	0.07	0.9	0.152	1.37	4.8	8.7	1.04	1620	0.93	2.30	1.4	35.8	520
D150749		9.27	17.35	0.07	0.8	0.144	1.20	4.8	10.2	1.02	1510	0.84	1.70	1.2	40.5	470
D150750		0.20	1.73	0.08	0.5	<0.005	0.17	1.1	0.9	1.18	85	0.10	0.32	1.0	1.3	90
D150751		3.81	5.51	<0.05	0.7	0.026	0.22	1.7	2.6	0.39	844	0.92	1.04	0.9	2.3	200
D150752		0.10	0.22	0.10	<0.1	<0.005	0.01	1.0	0.2	0.59	67	<0.05	0.02	0.1	0.3	50
D150753		0.84	0.58	<0.05	0.1	<0.005	0.03	<0.5	0.3	0.03	111	0.27	0.06	0.1	1.6	40
D150754		0.65	0.14	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	73	0.27	0.02	<0.1	1.4	10
D150755		0.94	1.21	<0.05	0.2	<0.005	0.02	<0.5	0.3	0.02	108	0.37	0.31	0.3	1.6	40
D150756		4.39	7.73	<0.05	0.5	0.039	0.53	3.0	6.4	0.36	651	0.57	0.54	1.4	3.0	300
D150757		8.99	15.25	0.07	1.7	0.087	0.55	5.9	4.7	0.92	1440	1.23	2.90	2.8	3.8	610
D150758		8.25	15.50	0.07	2.2	0.066	0.54	5.5	7.3	0.76	1180	0.51	2.78	2.6	3.8	700
D150759		1.31	1.75	0.11	0.2	<0.005	0.05	0.8	1.0	0.06	140	0.36	0.44	0.4	4.1	70
D150760		0.13	0.64	0.07	0.1	<0.005	0.07	1.0	0.9	1.01	75	0.05	0.08	0.5	0.3	70
D150761		0.68	0.99	0.05	0.1	<0.005	0.08	1.0	1.7	0.01	63	0.26	0.22	0.2	4.2	50
D150762		0.93	1.34	0.06	0.2	<0.005	0.05	0.7	1.0	0.04	119	0.29	0.31	0.3	2.8	40
D150763		4.67	8.57	0.06	1.0	0.040	0.39	2.5	6.0	0.54	988	0.70	1.02	1.6	2.0	360
D150764		4.72	8.67	0.07	0.9	0.041	0.39	2.6	6.0	0.55	1000	0.69	1.03	1.6	2.1	370
D150765		10.35	24.4	0.12	2.9	0.100	1.32	10.1	20.3	1.35	2190	3.27	3.08	4.1	3.3	1090
D150766		1.12	1.96	0.05	0.2	<0.005	0.05	0.9	1.7	0.07	177	0.30	0.51	0.3	1.8	60
D150767		4.37	12.30	0.09	2.0	0.036	0.44	14.0	14.1	0.81	994	0.60	2.99	2.6	3.1	830

Comments: **samples D150763 and D150764 were completely blended together**

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

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
D150741		5.8	62.8	<0.002	1.18	0.36	22.1	1	0.8	62.7	0.06	1.15	0.20	0.260	0.33	0.3
D150742		2.7	90.2	0.004	0.54	0.19	37.8	1	0.8	100.5	0.09	0.16	0.27	0.357	0.46	0.1
D150743		5.3	88.2	<0.002	2.27	0.22	32.6	1	0.7	160.5	0.12	0.81	0.22	0.489	0.45	0.3
D150744		6.0	20.3	<0.002	1.65	0.17	14.0	1	0.5	81.1	0.05	1.25	0.16	0.229	0.09	0.3
D150745		2.7	125.0	0.002	0.68	0.17	36.7	1	1.6	114.0	0.11	0.17	0.25	0.434	0.59	0.1
D150746		3.7	11.4	0.002	1.03	0.13	8.3	1	1.2	57.3	<0.05	0.84	0.19	0.162	0.05	0.2
D150747		6.3	40.2	<0.002	1.08	0.31	23.9	1	1.8	124.5	0.10	0.60	0.28	0.424	0.18	0.4
D150748		3.7	59.7	0.002	0.88	0.20	28.8	2	3.0	109.5	0.10	1.38	0.35	0.370	0.30	0.2
D150749		5.7	48.4	0.002	2.09	0.22	25.5	2	3.3	99.9	0.08	1.26	0.34	0.298	0.24	0.2
D150750		0.7	7.6	<0.002	0.03	0.14	1.7	1	0.2	86.3	0.22	<0.05	0.24	0.046	0.06	1.2
D150751		21.2	7.7	0.002	2.31	0.15	7.3	1	0.3	97.2	0.05	16.00	0.13	0.208	0.04	0.1
D150752		<0.5	0.3	<0.002	0.01	<0.05	0.2	1	<0.2	92.1	<0.05	0.06	0.03	0.005	<0.02	0.1
D150753		1.9	0.9	<0.002	0.22	0.07	0.6	1	0.2	6.7	<0.05	1.45	0.02	0.020	<0.02	<0.1
D150754		<0.5	0.1	<0.002	0.03	0.05	<0.1	1	<0.2	1.3	<0.05	0.35	<0.01	<0.005	<0.02	<0.1
D150755		5.5	0.5	<0.002	0.44	0.08	0.7	1	0.2	8.2	<0.05	2.27	0.06	0.062	<0.02	0.1
D150756		10.4	18.8	<0.002	1.18	0.12	9.2	1	0.7	38.0	0.08	2.90	0.17	0.300	0.09	0.1
D150757		30.4	19.3	0.002	5.38	0.32	19.6	2	0.9	211	0.16	16.05	0.42	0.577	0.09	0.4
D150758		32.2	22.5	0.002	6.00	0.27	18.8	2	1.1	233	0.15	17.05	0.43	0.527	0.10	0.7
D150759		3.2	0.8	<0.002	0.73	0.10	1.3	1	1.0	21.9	<0.05	2.93	0.08	0.086	<0.02	0.1
D150760		<0.5	2.7	<0.002	0.01	<0.05	0.2	1	0.2	84.5	0.06	<0.05	0.11	0.006	0.03	0.4
D150761		0.6	0.9	<0.002	0.14	0.06	0.4	1	1.1	9.0	<0.05	1.00	0.14	0.025	<0.02	<0.1
D150762		3.0	0.7	<0.002	0.31	0.09	0.8	1	1.0	12.8	<0.05	2.42	0.08	0.050	<0.02	0.1
D150763		10.0	17.9	<0.002	2.10	0.16	11.0	1	0.8	128.0	0.10	5.80	0.17	0.349	0.12	0.2
D150764		9.7	18.0	<0.002	2.12	0.16	11.0	1	0.7	130.0	0.10	6.35	0.18	0.349	0.11	0.2
D150765		24.4	53.5	0.003	7.22	0.44	28.7	2	1.3	486	0.26	14.70	0.94	0.770	0.28	0.7
D150766		5.2	1.0	<0.002	0.39	0.07	1.2	1	0.7	24.2	<0.05	3.74	0.11	0.057	<0.02	0.1
D150767		6.0	19.8	<0.002	1.63	0.16	9.7	1	1.3	302	0.16	1.67	1.84	0.297	0.10	0.7

Comments: **samples D150763 and D150764 were completely blended together**

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

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NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-GRA22
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	1	0.1	0.1	2	0.5	0.05
D150741		286	5.8	6.0	69	34.8	
D150742		345	4.2	6.8	118	45.5	
D150743		364	6.3	6.7	114	44.9	
D150744		153	7.0	3.8	64	27.3	
D150745		346	3.9	7.6	142	46.3	
D150746		77	4.8	3.2	59	17.8	
D150747		286	9.5	6.6	67	51.5	
D150748		312	10.1	7.2	155	38.4	
D150749		232	8.7	8.1	163	34.2	
D150750		10	0.1	3.8	4	10.6	
D150751		47	7.5	3.4	31	28.1	
D150752		1	0.1	1.9	2	1.0	
D150753		6	0.7	0.5	5	2.1	
D150754		1	0.1	0.1	<2	<0.5	
D150755		8	6.4	0.8	3	6.4	
D150756		45	7.6	5.2	37	20.2	
D150757		94	40.7	9.9	84	61.0	
D150758		172	38.9	10.4	78	81.2	
D150759		10	4.0	1.3	7	8.7	
D150760		1	0.1	2.4	2	2.3	
D150761		5	3.1	0.7	2	5.0	
D150762		7	2.7	0.9	4	5.7	
D150763		89	14.4	4.7	46	32.0	
D150764		90	13.9	5.2	44	37.7	
D150765		265	46.7	13.7	93	104.0	
D150766		10	4.0	1.1	4	7.4	
D150767		111	20.2	9.9	51	74.3	

Comments: **samples D150763 and D150764 were completely blended together**

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

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 30-NOV-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21277761

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

Au-GRA22	Au-ICP22	ME-MS61	

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 13-DEC-2021
Account: NHSYFR

CERTIFICATE TM21286390

Project: Miller Gold Project

This report is for 55 samples of Rock submitted to our lab in Timmins, ON, Canada on 21-OCT-2021.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
CRU-32	Fine Crushing 90% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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, General Manager, North Vancouver

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CERTIFICATE OF ANALYSIS TM21286390

Sample Description	Method	WEI-21	Au-ICP21	Au-GRA21	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.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
D150768		2.42	0.163		0.07	1.17	0.3	110	0.40	0.42	0.15	<0.02	8.44	3.3	38	0.29
D150769		2.48	0.197		0.07	0.57	0.4	20	0.15	0.12	0.06	<0.02	1.38	4.6	40	0.10
D150770		0.12	9.53		50.6	6.24	3090	100	1.49	229	0.26	13.35	46.3	8.1	42	2.14
D150771		2.76	0.010		0.05	0.07	3.0	10	<0.05	0.51	0.03	0.02	0.25	0.6	37	<0.05
D150772		2.40	0.056		0.01	0.04	0.6	<10	<0.05	0.31	0.02	<0.02	0.07	0.5	40	<0.05
D150773		3.36	1.705		0.42	4.77	0.6	150	1.23	0.77	5.76	0.12	10.10	37.3	59	0.98
D150774		3.98	1.680		2.27	6.43	0.9	220	1.35	0.24	5.29	0.16	14.55	47.3	50	2.23
D150775		3.43	1.905		1.60	5.01	1.0	150	0.99	0.92	4.25	0.14	13.40	44.5	30	0.45
D150776		2.65	0.962		1.11	6.73	6.6	410	2.58	0.57	4.67	0.15	19.35	48.8	13	1.98
D150777		3.00	1.280		1.38	6.48	0.5	210	2.07	0.32	4.33	0.13	14.45	44.2	32	2.16
D150778		5.90	0.096		0.06	6.10	0.5	60	0.79	0.07	4.47	0.16	11.00	48.4	36	1.29
D150779		4.91	0.543		0.20	0.40	0.5	10	0.05	0.92	0.05	<0.02	0.45	3.8	40	0.07
D150780		1.42	0.001		0.01	0.07	<0.2	20	<0.05	0.02	33.1	<0.02	0.89	0.6	2	<0.05
D150781		3.82	0.947		0.31	5.90	3.8	200	1.88	0.20	1.02	0.20	10.05	38.4	46	1.21
D150782		4.51	2.90		0.20	6.12	5.9	240	1.70	0.27	4.15	0.11	10.95	46.9	42	1.42
D150783		4.64	>10.0	17.90	0.88	5.94	5.0	230	1.92	0.64	3.92	0.12	9.64	44.4	38	1.12
D150784		4.62	0.368		0.10	6.20	1.1	120	1.11	0.18	5.03	0.13	11.60	44.3	36	1.63
D150785		4.29	1.070		0.33	6.75	1.8	240	1.04	0.10	4.63	0.09	13.05	48.0	40	2.12
D150786		4.71	1.105		0.97	6.28	19.6	170	2.99	1.08	5.23	0.12	11.40	50.9	42	1.59
D150787		4.10	0.184		0.13	2.72	1.0	260	1.08	0.52	1.70	0.06	5.35	23.2	40	1.25
D150788		4.40	0.077		0.04	0.23	0.4	60	0.09	0.17	0.07	<0.02	0.39	3.7	43	0.20
D150789		5.36	3.59		1.25	4.83	2.5	130	1.84	1.56	3.47	0.09	8.99	35.9	44	1.21
D150790		0.12	9.49		49.0	5.92	2980	100	1.77	220	0.26	12.50	49.5	7.8	43	2.24
D150791		3.72	5.86		1.03	6.60	6.7	200	2.14	1.15	4.21	0.18	15.45	49.4	41	2.21
D150792		3.20	0.115		0.92	9.51	2.2	90	0.64	3.10	0.30	<0.02	7.14	13.8	30	0.09
D150793		1.20	0.009		0.07	8.59	0.8	60	0.76	0.19	0.70	0.02	11.20	8.9	33	0.09
D150794		4.89	0.046		0.03	8.83	0.7	60	0.70	0.06	1.29	0.02	13.60	11.5	37	0.10
D150795		4.71	0.007		0.03	1.80	0.6	30	0.17	0.28	1.43	0.04	3.24	12.2	41	0.43
D150796		5.13	0.001		0.10	5.23	1.1	50	0.44	0.96	4.80	0.13	10.50	40.1	44	3.17
D150797		2.01	0.005		0.17	3.09	1.3	30	0.39	0.51	2.52	0.37	10.15	19.7	15	0.37
D150801		2.87	0.001		0.01	6.98	0.4	300	1.67	0.22	3.18	0.06	19.95	16.6	79	1.30
D150802		2.98	<0.001		<0.01	7.24	0.4	170	1.08	0.11	3.53	0.04	21.4	13.3	83	0.99
D150803		3.50	<0.001		0.02	7.81	1.3	170	0.95	0.12	3.38	0.04	23.3	15.5	112	1.55
D150804		2.44	<0.001		<0.01	8.03	0.6	170	0.95	0.08	2.72	0.04	22.7	15.8	98	1.25
D150805		2.81	<0.001		0.02	7.94	0.4	390	0.72	0.09	3.15	0.05	20.5	20.4	94	1.58
D150806		2.46	1.385		0.21	4.85	0.8	80	0.56	1.55	3.38	0.08	13.40	31.4	22	2.53
D150807		2.20	>10.0	22.0	2.51	2.39	0.8	30	0.77	27.6	1.20	0.11	6.23	19.4	27	0.87
D150808		1.47	0.016		0.01	0.09	0.4	20	0.08	0.14	33.6	<0.02	0.96	0.7	2	<0.05
D150809		3.44	0.100		0.11	7.53	1.0	160	1.03	0.39	4.04	0.08	17.85	37.8	71	3.26
D150810		1.36	<0.001		<0.01	0.38	<0.2	40	0.30	0.02	33.1	<0.02	1.13	0.8	2	0.07

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NEW LISKEARD ON P0J 1P0

Finalized Date: 13-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21286390

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	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	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
D150768		7.7	1.43	3.64	<0.05	0.5	0.008	0.30	4.1	6.2	0.06	171	0.29	0.57	0.5	3.7
D150769		17.0	1.40	2.03	<0.05	0.1	0.006	0.09	0.7	4.3	0.04	220	0.84	0.30	0.2	6.7
D150770		9850	2.43	26.1	0.19	2.2	4.22	2.02	22.9	26.5	0.16	78	5.40	0.83	8.7	25.1
D150771		12.4	0.82	0.29	<0.05	<0.1	<0.005	0.01	<0.5	0.5	0.01	93	0.47	0.04	<0.1	2.2
D150772		3.1	0.76	0.17	<0.05	<0.1	<0.005	<0.01	<0.5	1.0	0.01	79	0.78	0.02	<0.1	1.7
D150773		143.0	7.65	17.85	0.07	1.0	0.073	1.00	4.2	37.1	1.74	1520	3.23	2.16	1.5	41.4
D150774		110.5	10.45	20.9	0.10	1.3	0.074	2.15	6.1	62.5	1.84	1800	0.72	1.35	1.7	44.3
D150775		46.3	10.20	18.80	0.09	1.7	0.063	0.75	5.3	15.4	1.17	1430	0.77	3.11	1.9	31.7
D150776		188.0	10.20	25.4	0.12	1.5	0.102	3.00	8.1	76.1	1.16	1860	1.11	1.23	2.5	20.8
D150777		136.5	10.30	22.8	0.10	1.2	0.084	2.60	5.4	76.2	1.34	1820	0.57	1.13	2.1	29.1
D150778		205	10.75	19.40	0.09	0.6	0.080	1.79	3.7	27.4	2.34	1540	0.67	1.64	1.5	36.5
D150779		11.1	1.68	1.20	<0.05	0.1	<0.005	0.08	<0.5	3.2	0.04	185	0.46	0.17	0.2	4.6
D150780		2.9	0.12	0.23	<0.05	<0.1	<0.005	0.02	1.1	0.8	0.86	69	0.10	0.03	0.1	0.4
D150781		141.5	9.30	18.95	0.08	0.8	0.073	1.77	3.3	38.7	0.53	1680	4.53	1.98	0.9	33.1
D150782		162.0	10.75	20.4	0.08	1.0	0.077	1.74	3.7	31.8	1.84	1620	1.36	1.79	2.0	38.4
D150783		163.0	9.79	20.9	0.08	1.2	0.070	1.44	3.5	28.1	1.06	1660	0.45	2.66	1.5	35.7
D150784		164.5	10.25	18.90	0.08	0.8	0.091	1.86	4.0	22.0	1.60	1720	0.63	2.27	2.4	34.6
D150785		159.5	11.15	21.4	0.10	1.0	0.099	1.86	4.4	32.9	2.33	1540	0.24	1.48	2.9	47.1
D150786		153.5	10.80	23.1	0.10	1.3	0.088	2.46	4.0	33.1	1.55	1820	1.00	1.62	2.5	40.4
D150787		65.7	6.14	9.77	0.05	0.3	0.047	1.08	1.9	30.4	0.41	1020	1.05	0.26	1.0	18.1
D150788		18.1	1.54	0.77	<0.05	0.1	<0.005	0.03	<0.5	4.9	0.05	133	1.05	0.02	0.1	6.7
D150789		120.5	8.30	17.30	0.08	0.8	0.062	1.72	3.2	49.8	0.96	1320	0.68	1.36	1.3	34.0
D150790		9410	2.34	24.9	0.18	2.1	3.95	1.95	23.0	31.3	0.15	76	5.04	0.80	9.1	24.8
D150791		164.0	11.35	22.6	0.12	1.4	0.112	2.67	6.0	62.8	1.17	2210	0.89	1.40	2.5	44.6
D150792		513	4.45	19.15	0.05	2.1	0.076	0.21	3.1	5.8	0.34	135	487	7.38	2.3	15.0
D150793		132.5	1.09	15.95	<0.05	2.4	0.019	0.19	3.9	6.0	0.50	391	5.21	7.67	3.0	15.5
D150794		203	1.83	16.75	<0.05	2.6	0.024	0.18	5.6	11.4	0.95	333	1.28	7.08	3.3	25.9
D150795		29.9	3.59	6.56	<0.05	0.4	0.027	0.08	1.1	5.0	0.66	485	9.50	0.56	1.0	9.5
D150796		119.5	9.59	18.95	0.05	1.1	0.083	0.22	3.6	10.7	1.87	1210	17.30	1.65	2.9	27.3
D150797		76.3	7.35	13.70	0.05	1.3	0.080	0.09	3.2	6.2	0.85	1300	1.26	0.88	3.3	5.0
D150801		30.4	2.99	17.70	0.06	1.7	0.019	0.90	9.6	16.5	1.41	814	2.12	3.20	1.7	42.3
D150802		10.6	2.73	19.05	0.06	1.9	0.017	0.47	10.3	15.6	1.30	471	1.32	3.49	1.8	40.7
D150803		16.5	3.02	19.30	0.06	2.3	0.020	0.55	11.3	21.3	1.58	502	0.95	3.72	2.1	51.3
D150804		10.5	3.03	19.45	0.07	2.6	0.019	0.57	10.4	22.2	1.63	480	0.95	4.14	2.2	52.2
D150805		27.5	3.91	19.95	0.08	2.6	0.034	1.80	8.9	19.1	1.15	649	1.14	3.03	2.5	45.5
D150806		89.2	10.05	17.65	0.07	1.1	0.096	0.26	4.6	25.7	1.42	1220	6.70	0.79	3.1	22.2
D150807		57.0	5.55	10.25	0.05	1.1	0.049	0.41	2.4	8.2	0.37	629	6.98	1.14	1.3	11.6
D150808		2.3	0.14	0.30	<0.05	0.1	0.005	0.02	1.1	0.9	0.92	78	0.13	0.04	0.1	0.4
D150809		102.5	6.32	20.4	0.06	1.9	0.063	0.88	7.1	22.9	1.53	1030	2.08	3.40	2.7	47.2
D150810		2.3	0.12	1.31	<0.05	0.5	<0.005	0.15	1.2	1.0	0.86	73	0.09	0.18	1.3	0.6

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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	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	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
D150768		160	2.1	13.9	<0.002	0.32	0.11	2.0	<1	0.6	51.4	<0.05	0.27	0.64	0.044	0.07
D150769		50	0.7	4.4	<0.002	0.19	0.09	3.1	<1	0.6	6.1	<0.05	0.10	0.04	0.067	0.02
D150770		550	699	70.2	<0.002	4.18	319	3.4	32	29.0	324	0.67	45.6	9.88	0.167	1.94
D150771		30	0.5	0.3	<0.002	0.03	0.46	0.1	1	0.3	1.9	<0.05	0.05	0.02	<0.005	<0.02
D150772		<10	<0.5	0.1	<0.002	0.02	0.15	0.1	<1	0.2	1.0	<0.05	0.11	<0.01	<0.005	<0.02
D150773		440	5.1	58.3	0.002	1.46	0.26	29.1	1	0.5	243	0.09	0.76	0.22	0.428	0.27
D150774		610	5.3	109.0	<0.002	1.43	0.21	31.3	1	1.0	220	0.11	2.03	0.53	0.411	0.50
D150775		100	7.3	35.1	0.002	6.39	0.32	27.8	1	0.7	303	0.12	3.22	0.32	0.486	0.17
D150776		600	5.2	144.0	0.002	3.58	0.39	39.4	1	2.0	168.5	0.16	2.92	0.40	0.602	0.74
D150777		500	4.7	123.5	<0.002	1.72	0.36	35.4	1	0.9	139.5	0.13	0.63	0.32	0.608	0.63
D150778		440	1.5	75.1	0.003	0.14	0.29	34.3	1	0.6	110.5	0.10	0.08	0.24	0.443	0.39
D150779		30	1.9	2.5	<0.002	0.11	0.15	1.1	1	0.5	3.6	<0.05	1.51	0.02	0.037	<0.02
D150780		60	<0.5	0.5	<0.002	<0.01	0.07	0.2	1	<0.2	85.1	<0.05	<0.05	0.05	0.006	<0.02
D150781		360	4.9	85.7	<0.002	2.59	0.24	32.0	<1	1.4	76.5	0.06	5.32	0.23	0.281	0.42
D150782		290	4.8	77.7	<0.002	3.01	0.26	34.1	1	1.0	232	0.13	7.49	0.26	0.645	0.37
D150783		330	14.8	66.3	0.002	4.64	0.33	30.3	1	1.8	193.0	0.10	19.45	0.25	0.446	0.30
D150784		430	2.5	79.8	0.004	0.51	0.27	32.0	<1	1.4	162.0	0.15	0.36	0.26	0.709	0.43
D150785		490	2.1	82.4	0.004	0.89	0.23	35.2	1	4.8	163.0	0.18	2.04	0.29	0.828	0.42
D150786		390	10.4	102.5	0.004	5.83	0.41	35.6	2	2.2	337	0.16	18.25	0.28	0.736	0.49
D150787		220	2.7	49.2	<0.002	0.46	0.23	14.0	1	1.0	34.3	0.06	0.57	0.13	0.288	0.28
D150788		20	0.6	1.6	<0.002	0.19	0.14	1.0	<1	1.5	4.2	<0.05	0.18	0.02	0.027	<0.02
D150789		350	5.1	86.5	<0.002	2.57	0.27	27.2	1	2.0	122.0	0.08	11.70	0.20	0.372	0.40
D150790		530	669	66.6	<0.002	4.06	300	3.3	32	27.9	313	0.64	44.2	9.18	0.162	1.86
D150791		520	4.9	120.5	0.002	2.98	0.69	39.4	1	2.8	90.3	0.15	9.17	0.32	0.712	0.63
D150792		540	17.2	4.4	0.460	1.60	0.21	2.9	6	0.6	183.5	0.15	1.67	3.64	0.093	0.03
D150793		620	2.9	3.4	0.007	0.06	0.12	5.3	1	0.7	154.0	0.20	0.10	4.11	0.128	0.02
D150794		650	2.0	3.4	<0.002	0.10	0.09	6.2	1	0.5	164.5	0.23	0.06	4.53	0.152	0.02
D150795		130	0.8	4.2	<0.002	0.14	0.11	10.6	<1	0.7	34.3	0.06	0.06	0.12	0.233	0.02
D150796		420	2.7	14.5	0.005	0.57	0.11	33.1	1	1.5	143.5	0.17	0.14	0.28	0.704	0.11
D150797		550	4.3	3.6	<0.002	0.68	0.11	17.9	2	2.1	21.6	0.19	0.19	0.36	0.559	0.06
D150801		340	3.2	36.6	<0.002	0.06	0.14	7.2	<1	1.4	268	0.11	<0.05	1.15	0.156	0.18
D150802		380	3.2	16.2	<0.002	0.02	0.15	8.0	<1	0.7	304	0.12	<0.05	1.29	0.166	0.09
D150803		430	3.2	22.8	<0.002	0.02	0.18	9.0	<1	1.0	310	0.14	<0.05	1.51	0.194	0.09
D150804		440	2.7	21.9	<0.002	0.03	0.10	9.8	<1	1.0	282	0.15	<0.05	1.51	0.200	0.11
D150805		440	2.0	74.6	<0.002	0.04	0.09	16.3	<1	0.7	139.5	0.16	<0.05	1.29	0.343	0.34
D150806		710	4.2	15.9	0.005	1.11	0.14	32.4	1	4.6	107.0	0.18	1.36	0.37	0.717	0.12
D150807		250	14.0	19.7	0.005	2.86	0.17	15.2	1	0.6	38.1	0.07	24.6	0.22	0.290	0.11
D150808		70	<0.5	0.6	<0.002	0.02	0.05	0.3	2	<0.2	89.8	<0.05	0.08	0.08	0.007	<0.02
D150809		670	2.3	41.6	0.002	0.44	0.10	25.7	1	1.2	135.5	0.17	0.30	0.83	0.586	0.22
D150810		80	<0.5	4.6	<0.002	<0.01	0.05	0.4	2	0.2	89.0	0.17	<0.05	0.22	0.010	0.03

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

ALS Canada Ltd.
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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 13-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21286390

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	1	0.1	0.1	2	0.5
D150768		0.2	52	6.4	2.5	8	19.0
D150769		0.1	30	3.3	1.5	8	4.7
D150770		2.8	32	8.2	7.4	1760	64.6
D150771		<0.1	1	0.2	0.3	3	<0.5
D150772		<0.1	1	0.1	0.1	<2	<0.5
D150773		0.3	304	16.6	9.3	59	37.4
D150774		0.2	314	8.1	10.4	84	50.2
D150775		0.5	199	17.0	7.8	92	57.8
D150776		0.2	348	14.2	13.3	94	50.3
D150777		0.2	381	12.0	10.7	81	37.1
D150778		0.1	300	3.0	8.0	113	25.6
D150779		<0.1	8	2.0	0.5	6	2.2
D150780		0.1	1	0.1	2.1	2	1.2
D150781		0.1	326	9.5	7.3	80	28.2
D150782		0.1	372	11.8	8.4	88	34.3
D150783		0.3	339	18.5	9.3	69	44.7
D150784		0.1	315	10.5	9.1	100	29.8
D150785		0.1	333	4.4	10.4	77	37.8
D150786		0.2	473	30.4	8.7	82	41.8
D150787		0.1	144	6.1	4.7	43	9.3
D150788		<0.1	9	1.0	0.6	5	2.3
D150789		0.1	258	14.5	7.4	59	30.3
D150790		2.8	30	7.7	6.9	1690	61.8
D150791		0.2	380	15.9	10.6	107	49.4
D150792		0.8	19	1.6	5.3	16	80.4
D150793		0.8	23	1.7	9.0	18	90.4
D150794		0.8	34	1.0	8.8	38	95.6
D150795		<0.1	94	0.6	7.4	36	10.2
D150796		0.1	279	1.9	23.0	106	32.9
D150797		0.1	53	1.2	20.5	141	57.2
D150801		0.3	64	0.4	4.8	56	64.5
D150802		0.4	64	0.3	5.1	42	69.2
D150803		0.4	66	0.3	5.8	51	86.2
D150804		0.5	67	0.3	6.0	50	97.0
D150805		0.4	121	0.5	10.4	62	94.8
D150806		0.2	121	3.6	31.5	123	36.9
D150807		0.4	131	10.9	5.6	57	35.4
D150808		0.1	1	0.3	2.4	4	1.7
D150809		0.3	218	5.3	11.7	100	68.9
D150810		0.9	2	0.1	4.5	3	7.6

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17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 13-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21286390

Sample Description	Method	WEI-21	Au-ICP21	Au-GRA21	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.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
D150811		3.27	4.55		0.43	4.51	0.6	50	0.50	6.21	1.75	0.05	13.45	7.0	67	0.93
D150812		2.59	0.271		0.06	6.07	0.7	150	0.92	0.93	2.40	0.09	17.35	11.1	81	1.47
D150813		2.25	0.006		0.09	5.49	0.4	160	0.68	0.22	2.35	0.04	16.00	8.9	75	1.75
D150814		2.37	0.002		0.20	6.38	1.3	50	0.43	0.70	5.10	0.22	12.65	54.9	38	0.86
D150815		3.42	<0.001		0.08	7.17	1.3	70	0.50	0.51	5.96	0.13	13.15	45.0	52	0.70
D150816		2.82	0.002		0.07	6.55	0.7	100	0.53	0.35	5.17	0.23	15.05	47.2	34	0.87
D150817		3.09	0.001		0.11	7.34	1.8	60	0.44	0.34	6.52	0.20	12.25	50.0	54	0.47
D150818		2.44	<0.001		0.07	6.41	2.8	40	0.69	0.18	7.21	0.13	10.05	38.5	67	0.39
D150819		4.32	0.001		0.07	6.44	2.9	30	0.51	0.60	8.59	0.11	10.65	39.6	49	0.53
D150820		0.12	0.178		1.43	6.90	52.8	1020	2.40	1.84	1.63	0.76	72.9	8.0	46	10.70
D150821		4.26	0.001		0.28	6.96	1.5	50	0.40	0.55	4.82	0.49	13.20	52.9	48	0.98
D150822		3.47	<0.001		0.21	7.33	0.8	60	0.41	0.47	5.26	0.47	12.75	53.3	58	0.82
D150823		2.77	0.001		0.10	7.10	2.8	20	0.44	0.39	7.83	0.29	12.55	44.9	53	0.37
D150824		3.92	0.004		0.09	5.37	0.6	110	0.52	0.51	5.39	1.12	10.10	43.7	34	10.00
D150825		2.67	0.001		0.15	5.50	1.2	120	0.60	0.54	4.37	0.22	10.10	40.8	50	17.25

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 13-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21286390

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	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	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
D150811		10.7	1.88	10.90	0.05	1.4	0.013	0.34	6.1	12.4	0.56	322	0.53	2.90	1.0	22.8
D150812		52.8	2.43	15.35	0.05	2.0	0.020	0.85	8.0	11.7	0.92	411	2.86	3.72	1.7	40.0
D150813		12.3	2.03	12.25	0.05	1.7	0.014	0.77	7.3	17.2	0.55	296	0.41	3.02	1.4	32.4
D150814		168.0	11.35	22.3	0.10	1.6	0.192	0.15	4.2	16.0	1.53	1780	3.62	1.41	3.3	35.2
D150815		86.2	9.01	23.0	0.07	1.5	0.116	0.17	4.4	9.9	1.54	1560	9.51	2.18	3.6	37.1
D150816		103.5	11.40	22.7	0.07	1.3	0.124	0.20	5.0	13.9	1.85	1760	2.56	1.47	4.0	28.3
D150817		128.0	9.63	23.3	0.05	1.0	0.099	0.12	4.2	10.6	1.35	1880	7.87	1.79	3.4	42.4
D150818		97.8	8.72	23.1	<0.05	1.4	0.079	0.09	3.5	12.1	1.24	1700	2.30	0.50	2.9	35.0
D150819		77.2	9.69	24.6	<0.05	1.2	0.092	0.06	3.7	7.6	1.71	1780	22.5	0.26	3.1	35.5
D150820		5930	2.86	21.0	0.13	2.0	0.152	2.95	33.8	45.4	0.65	329	110.0	1.93	13.0	16.4
D150821		180.0	10.75	24.0	<0.05	1.2	0.193	0.13	4.6	14.4	1.60	1680	14.50	2.03	3.4	37.6
D150822		136.5	10.75	22.8	<0.05	1.6	0.134	0.11	4.3	10.4	1.75	1890	2.01	2.03	3.5	39.9
D150823		124.5	10.40	26.7	<0.05	1.3	0.098	0.05	4.1	11.7	1.48	1570	1.25	0.41	3.5	36.8
D150824		141.5	9.50	17.25	<0.05	0.9	0.101	0.57	3.6	10.7	1.26	1760	2.99	2.20	2.9	25.4
D150825		134.0	9.98	17.95	<0.05	0.8	0.094	0.78	3.7	18.4	1.39	1720	6.52	1.80	2.7	27.8

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 13-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21286390

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	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	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
D150811		190	5.2	19.7	<0.002	0.18	0.13	6.1	<1	0.5	82.9	0.07	7.39	0.85	0.087	0.09
D150812		250	4.7	38.7	<0.002	0.14	0.19	8.0	<1	0.5	181.0	0.11	1.09	1.10	0.153	0.18
D150813		230	2.0	40.0	<0.002	0.10	0.15	6.1	<1	0.6	108.5	0.09	0.25	0.98	0.131	0.15
D150814		500	4.3	8.6	0.004	1.41	0.18	37.5	2	2.3	125.5	0.22	0.34	0.41	0.840	0.06
D150815		570	4.1	8.2	0.008	0.42	0.20	41.2	1	1.2	127.0	0.22	0.14	0.33	0.913	0.06
D150816		740	2.7	7.5	0.005	0.42	0.10	41.0	1	1.2	144.5	0.25	0.11	0.38	0.923	0.05
D150817		510	2.7	5.4	0.008	0.49	0.12	40.3	2	1.1	194.0	0.21	0.11	0.29	0.884	0.03
D150818		420	2.7	4.6	0.005	0.31	0.68	34.5	1	1.5	329	0.19	0.08	0.26	0.754	0.03
D150819		460	3.6	3.0	0.014	0.23	0.92	35.2	1	1.2	403	0.19	0.08	0.28	0.772	0.03
D150820		820	37.5	160.5	0.084	0.68	5.16	8.5	4	4.9	205	1.08	0.63	14.00	0.329	0.92
D150821		490	5.1	6.9	0.009	1.44	0.12	38.8	2	2.0	101.5	0.21	0.35	0.36	0.852	0.09
D150822		530	3.6	5.5	0.004	1.26	0.09	40.0	1	1.4	114.5	0.21	0.27	0.34	0.898	0.09
D150823		510	2.9	2.4	0.003	0.82	0.19	40.1	2	1.0	436	0.22	0.07	0.32	0.867	<0.02
D150824		440	2.9	56.6	0.002	0.74	0.08	33.8	1	1.2	74.9	0.17	0.09	0.27	0.743	0.50
D150825		410	3.4	71.7	0.005	1.02	0.08	31.6	2	1.0	68.4	0.16	0.11	0.26	0.703	0.62

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NEW LISKEARD ON P0J 1P0

Finalized Date: 13-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21286390

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	1	0.1	0.1	2	0.5
D150811		0.3	64	5.2	3.4	28	52.6
D150812		0.3	105	6.0	4.2	52	76.7
D150813		0.3	57	3.9	3.4	30	63.2
D150814		0.1	331	2.5	27.1	214	69.8
D150815		0.1	336	1.9	30.5	139	54.5
D150816		0.1	230	1.6	37.0	222	44.5
D150817		0.1	344	1.6	27.6	157	29.9
D150818		0.1	299	1.5	23.6	105	35.6
D150819		0.1	301	3.3	24.6	106	45.4
D150820		3.8	62	8.8	16.4	144	68.5
D150821		0.1	343	1.3	28.3	320	36.7
D150822		0.1	335	1.1	28.1	321	36.7
D150823		0.1	315	0.9	28.1	158	55.3
D150824		0.1	282	2.2	20.6	492	54.0
D150825		0.1	287	1.5	21.8	217	24.7

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Finalized Date: 13-DEC-2021
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM21286390

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

Au-GRA21	Au-ICP21	ME-MS61	

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-32	CRU-QC	LOG-21	LOG-23
PUL-35a	PUL-QC	SPL-21	WEI-21

Appendix 7

Assay Certificates (Au Screen Fire Assays)

ALS Canada Ltd.

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 2-APR-2022
Account: NHSYFR

CERTIFICATE SD22038114

Project: Miller Gold Project

This report is for 2 samples of Reject submitted to our lab in Sudbury, ON, Canada on 15-FEB-2022.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-21	Dry Screen1kg to 106um
PUL-QC	Pulverizing QC Test
FND-03	Find Reject for Addn Analysis
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus 50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

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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Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD22038114

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-SCR24 Au Total ppm 0.05	Au-SCR24 Au (+) F ppm 0.05	Au-SCR24 Au (-) F ppm 0.05	Au-SCR24 Au (+) m mg 0.001	Au-SCR24 WT. + Fr g 0.01	Au-SCR24 WT. - Fr g 0.1	Au-AA26 Au ppm 0.01	Au-AA26D Au ppm 0.01	PUL-QC Pass75um % 0.01
D150119		0.98	5.80	37.7	2.65	3.217	85.39	862.3	2.51	2.78	89.0
D150164		0.98	0.47	0.94	0.44	0.055	58.65	906.9	0.41	0.47	87.0

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

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: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 2-APR-2022
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS SD22038114

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
	FND-03	LOG-21d	PUL-32	PUL-QC
	SCR-21	SPL-21d	WEI-21	

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

Applies to Method:			
	Au-AA26	Au-AA26D	Au-SCR24

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 11-APR-2022
Account: NHSYFR

CERTIFICATE TM22039116

Project: Miller Gold Project

This report is for 27 samples of Reject submitted to our lab in Timmins, ON, Canada on 16-FEB-2022.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-21	Dry Screen1kg to 106um
PUL-QC	Pulverizing QC Test
FND-03	Find Reject for Addn Analysis
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Au-GRA22d	Au 50g FA-GRAV finish - DUP	WST-SIM
Au-SCR24	Au Screen FA Double Minus 50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

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: METALLIC REQUEST FEB 14 ON SAMPLES FROM MULTIPLE W.O'S

Signature: 

Hanachi Bouhenchir, Lab Manager

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Finalized Date: 11-APR-2022
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM22039116

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-SCR24 Au Total ppm 0.05	Au-SCR24 Au (+) F ppm 0.05	Au-SCR24 Au (-) F ppm 0.05	Au-SCR24 Au (+) m mg 0.001	Au-SCR24 WT. + Fr g 0.01	Au-SCR24 WT. - Fr g 0.1	Au-AA26 Au ppm 0.01	Au-AA26D Au ppm 0.01	Au-GRA22 Au ppm 0.05	Au-GRA22d Au ppm 0.05
D150061		0.99	28.7	369	11.85	16.620	45.02	910.0	11.80	11.85		
D150077		0.85	6.95	9.59	6.72	0.608	63.39	731.3	6.83	6.61		
D150079		0.75	5.59	35.4	4.30	1.077	30.41	699.3	3.18	5.41		
D150094		0.64	113.0	523	82.3	20.832	39.84	533.6	72.3	92.3	70.2	71.5
D150327		1.03	5.75	5.33	5.79	0.385	72.20	845.1	5.74	5.83		
D150501		1.92	16.80	121.0	7.80	10.078	83.23	962.3	7.88	7.72		
D150502		2.60	15.45	95.2	8.86	7.285	76.56	924.6	9.14	8.58		
D150516		2.92	1.73	2.97	1.59	0.307	103.30	904.5	1.52	1.66		
D150524		1.87	5.45	43.8	2.05	3.402	77.72	876.3	2.06	2.04		
D150525		1.43	31.7	203	12.80	21.443	105.80	956.4	13.40	12.20		
D150553		2.75	2.43	16.20	1.72	0.752	46.44	900.3	1.77	1.67		
D150558		3.84	7.83	42.4	5.10	2.981	70.33	887.4	5.03	5.16		
D150567		3.32	9.49	18.35	9.06	0.837	45.66	933.0	9.22	8.90		
D150587		2.72	14.65	28.9	13.70	1.672	57.82	843.0	13.75	13.60		
D150588		1.33	2.83	4.36	2.72	0.287	65.82	874.8	2.69	2.74		
D150592		3.73	3.42	5.96	3.18	0.491	82.36	881.1	3.13	3.23		
D150597		2.57	6.01	8.70	5.78	0.640	73.59	876.3	5.81	5.75		
D150598		1.27	7.94	78.4	4.91	2.293	29.24	680.0	5.02	4.79		
D150627		4.75	12.95	132.0	5.63	6.966	52.73	857.5	5.85	5.40		
D150681		1.58	3.57	3.57	3.57	0.222	62.13	725.2	3.61	3.52		
D150712		0.99	14.40	111.0	8.65	5.756	51.87	873.3	9.03	8.27		
D150722		1.38	2.94	17.85	1.74	1.235	69.23	855.8	1.64	1.84		
D150757		1.59	5.21	18.50	4.59	0.817	44.14	935.5	4.66	4.51		
D150758		3.44	6.69	27.3	5.75	1.022	37.41	822.7	5.89	5.61		
D150765		5.71	5.20	14.85	4.44	1.098	73.92	940.0	4.39	4.49		
D150789		4.20	3.12	13.90	2.41	0.899	64.64	969.5	2.42	2.39		
D150807		1.19	25.4	225	14.00	11.686	51.98	911.1	13.90	14.05		

Comments: METALLIC REQUEST FEB 14 ON SAMPLES FROM MULTIPLE W.O'S

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To: NORTHSTAR GOLD CORP
17 WELLINGTON STREET NORTH
NEW LISKEARD ON P0J 1P0

Finalized Date: 11-APR-2022
Account: NHSYFR

Project: Miller Gold Project

CERTIFICATE OF ANALYSIS TM22039116

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.

Au-AA26	Au-AA26D	Au-GRA22	Au-GRA22d
Au-SCR24			

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

FND-03	LOG-21d	PUL-32	PUL-QC
SCR-21	SPL-21d	WEI-21	

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Account: NHSYFR

QC CERTIFICATE TM22039116

Project: Miller Gold Project

This report is for 27 samples of Reject submitted to our lab in Timmins, ON, Canada on 16-FEB-2022.

The following have access to data associated with this certificate:

GEORGE POLLOCK	ELISABETH RONACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-21	Dry Screen1kg to 106um
PUL-QC	Pulverizing QC Test
FND-03	Find Reject for Addn Analysis
LOG-21d	Sample logging - ClientBarCode Dup
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ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
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Au-SCR24	Au Screen FA Double Minus 50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

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: METALLIC REQUEST FEB 14 ON SAMPLES FROM MULTIPLE W.O'S

Signature: 

Hanachi Bouhenchir, Lab Manager

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Finalized Date: 11-APR-2022
Account: NHSYFR

Project: Miller Gold Project

QC CERTIFICATE OF ANALYSIS TM22039116

Sample Description	Method Analyte Units LOD	Au-AA26 Au ppm 0.01	Au-AA26D Au ppm 0.01	Au-GRA22 Au ppm 0.05	Au-GRA22d Au ppm 0.05
STANDARDS					
G917-1				48.5	48.5
Target Range - Lower Bound				45.4	45.6
Upper Bound				51.3	51.5
G919-10		7.82			
Target Range - Lower Bound		7.12			
Upper Bound		8.04			
KIP-19		2.48	2.48		
KIP-19		2.46	2.46		
KIP-19			2.45		
KIP-19		2.43	2.43		
Target Range - Lower Bound		2.27	2.27		
Upper Bound		2.59	2.59		
KIP-19				2.41	2.41
Target Range - Lower Bound				2.23	2.23
Upper Bound				2.63	2.63
OREAS 231		0.55	0.55		
OREAS 231		0.57	0.57		
OREAS 231			0.56		
OREAS 231		0.55	0.55		
Target Range - Lower Bound		0.50	0.50		
Upper Bound		0.58	0.58		
PMP-18		0.32			
Target Range - Lower Bound		0.28			
Upper Bound		0.34			
BLANKS					
BLANK		<0.01			
Target Range - Lower Bound		<0.01			
Upper Bound		0.02			
BLANK		<0.01	<0.01		
BLANK		<0.01	<0.01		
BLANK			0.01		
BLANK		<0.01	<0.01		
Target Range - Lower Bound		<0.01	<0.01		
Upper Bound		0.02	0.02		
BLANK				<0.05	<0.05
Target Range - Lower Bound				<0.05	<0.05
Upper Bound				0.10	0.10

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QC CERTIFICATE OF ANALYSIS TM22039116

Sample Description	Method Analyte Units LOD	Au-AA26 Au ppm 0.01	Au-AA26D Au ppm 0.01	Au-GRA22 Au ppm 0.05	Au-GRA22d Au ppm 0.05
		DUPLICATES			
ORIGINAL		3.40			
DUP		3.23	3.23		
Target Range - Lower Bound		3.14	3.06		
Upper Bound		3.49	3.40		
ORIGINAL		2.94			
DUP		2.89	2.89		
Target Range - Lower Bound		2.76	2.74		
Upper Bound		3.07	3.04		
ORIGINAL		2.57			
DUP		2.53	2.53		
Target Range - Lower Bound		2.41	2.39		
Upper Bound		2.69	2.67		
ORIGINAL		1.59			
DUP		1.49	1.49		
Target Range - Lower Bound		1.45	1.41		
Upper Bound		1.63	1.57		
ORIGINAL		0.01	<0.01		
DUP		<0.01	<0.01		
Target Range - Lower Bound		<0.01	<0.01		
Upper Bound		0.02	0.02		
ORIGINAL		0.21	0.27		
DUP		0.27	0.27		
Target Range - Lower Bound		0.22	0.25		
Upper Bound		0.26	0.29		
ORIGINAL		0.01			
DUP		<0.01	<0.01		
Target Range - Lower Bound		<0.01	<0.01		
Upper Bound		0.02	0.02		
ORIGINAL			1.23		
DUP		1.30	1.30		
Target Range - Lower Bound		1.23	1.19		
Upper Bound		1.38	1.34		

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Finalized Date: 11-APR-2022
Account: NHSYFR

Project: Miller Gold Project

QC CERTIFICATE OF ANALYSIS TM22039116

Sample Description	Method / Analyte / Units / LOD	Au-AA26 Au ppm 0.01	Au-AA26D Au ppm 0.01	Au-GRA22 Au ppm 0.05	Au-GRA22d Au ppm 0.05
		DUPLICATES			
ORIGINAL		0.13			
DUP		0.16	0.16		
Target Range - Lower Bound		0.13	0.14		
Upper Bound		0.16	0.18		
D150587		13.75	13.60		
DUP		13.35	13.35		
Target Range - Lower Bound		12.85	12.80		
Upper Bound		14.25	14.15		
ORIGINAL				24.0	
DUP				23.4	23.4
Target Range - Lower Bound				22.5	22.2
Upper Bound				24.9	24.6

Comments: METALLIC REQUEST FEB 14 ON SAMPLES FROM MULTIPLE W.O'S

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CERTIFICATE COMMENTS

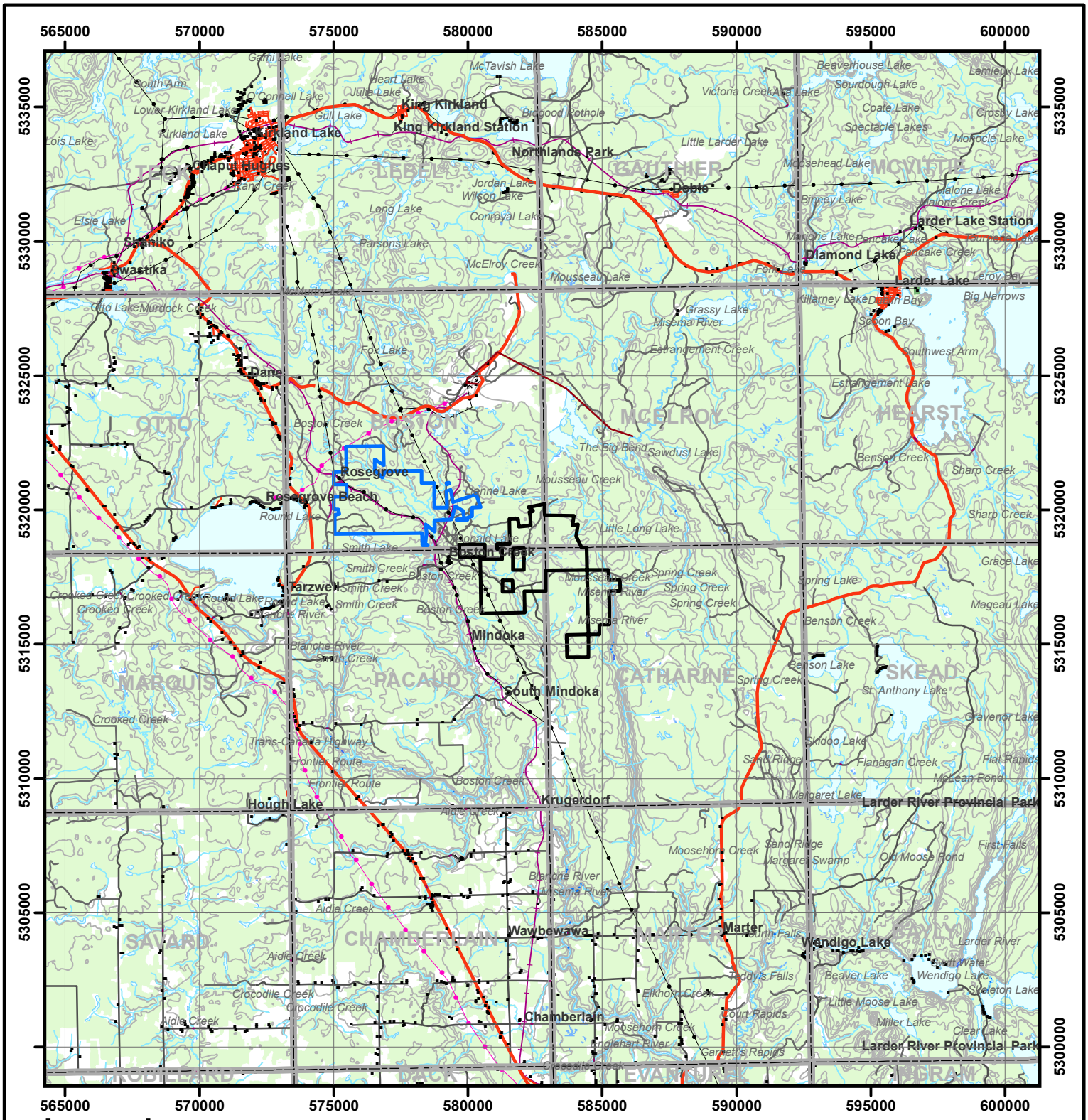
LABORATORY ADDRESSES

Applies to Method: Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.

Au-AA26	Au-AA26D	Au-GRA22	Au-GRA22d
Au-SCR24			

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

FND-03	LOG-21d	PUL-32	PUL-QC
SCR-21	SPL-21d	WEI-21	



Legend

- Rosegrove Claims
- Miller Claims
- TOWNSHIP
- Power Line
- Railway
- Pipeline

N
W
E
S

NAD 1983 UTM Zone 17N

Northstar Gold Corp.

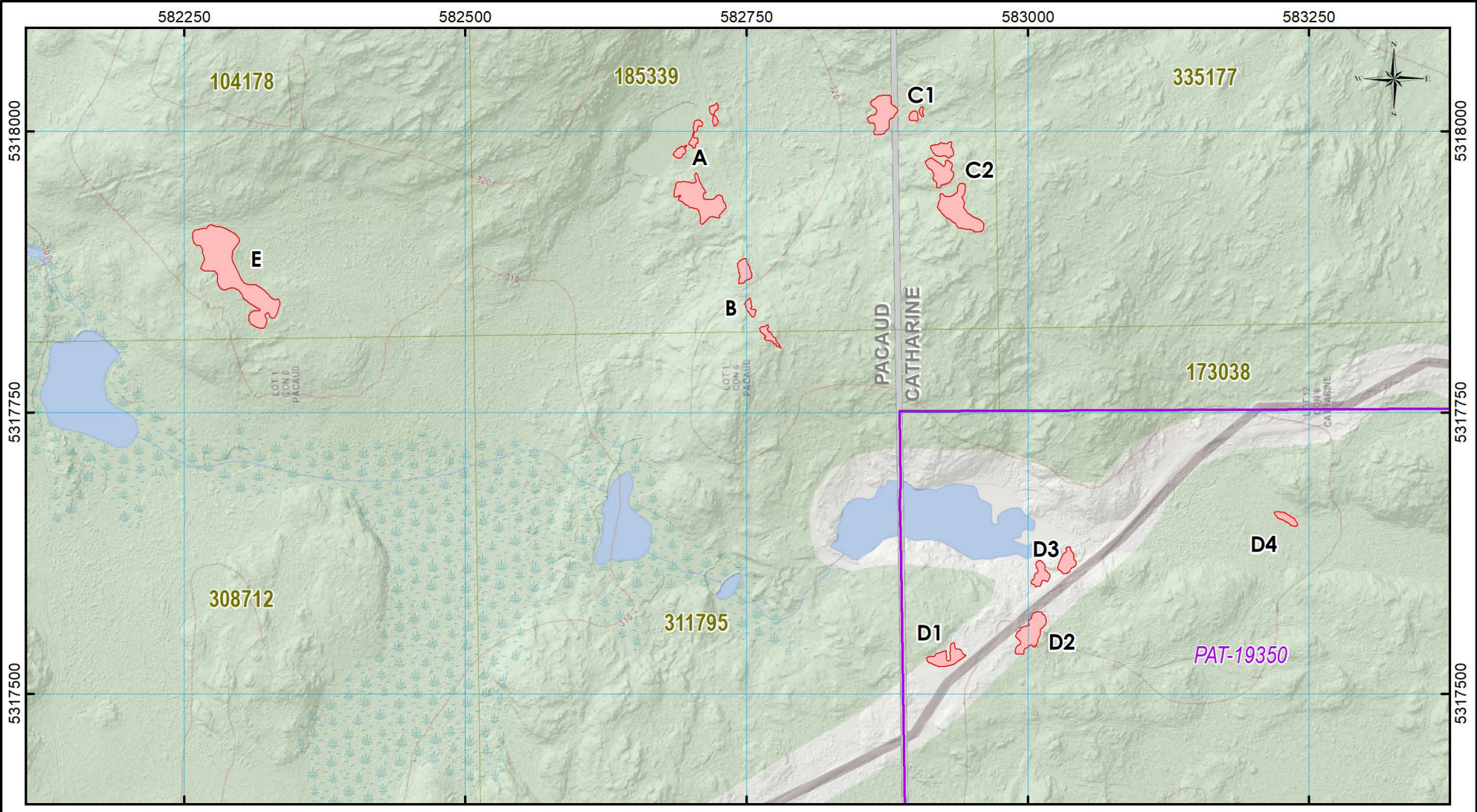
Miller, Rosegrove Projects, Ontario

Miller Property and Rosegrove Property

0 1,000 2,000 4,000 6,000 8,000 10,000
Meters

Date: 06/07/2022

Scale = 1:200,000



Stripping Area
Road
Cell Claim
Patent Claim
Township

NORTHSTAR GOLD CORP

RONACHER MCKENZIE GEOSCIENCE

STRIPPING AREAS
Permit: PR-19-000098
Miller Gold Property

July 2023	NAD83, Zone 17N

0 1:5,000 250 m