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DIAMOND DRILLING REPORT

FOR THE RANEY GOLD PROJECT OF

ROCKRIDGE RESOURCES LTD.

RANEY TWP.

PORCUPINE MINING DIVISION

ONTARIO

Prepared By:  
Todd Keast, P. Geo.

**September 24, 2020**

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## **Summary:**

Between February 17, 2020 and March 7, 2020, Rockridge Resources Ltd. completed a diamond drill program on its Raney Gold Project, situated within Raney Township of the Porcupine Mining Division. The drill program consisted of nine NQ sized drill holes for a total of 2,077 metres. The purpose of the drill program was to evaluate an historical gold showing. The work was performed by Chenier Drilling Services Inc. of Val Caron, Ontario, under the supervision of Todd Keast, P. Geo, of Sudbury, Ontario. Garmin handheld non differential GPS units were used to spot all drill holes in the Universal Transverse Mercator (UTM) in zone 17U, NAD83. The drill sites were cleaned of garbage/debris, and holes were capped, throughout the program upon completion of each hole.

The drilling program has expanded the down dip and along strike continuity of the historical gold mineralized zone(s). Geological mapping, prospecting and detailed magnetometer surveys are recommended to follow up on the drilling results.

## **Introduction:**

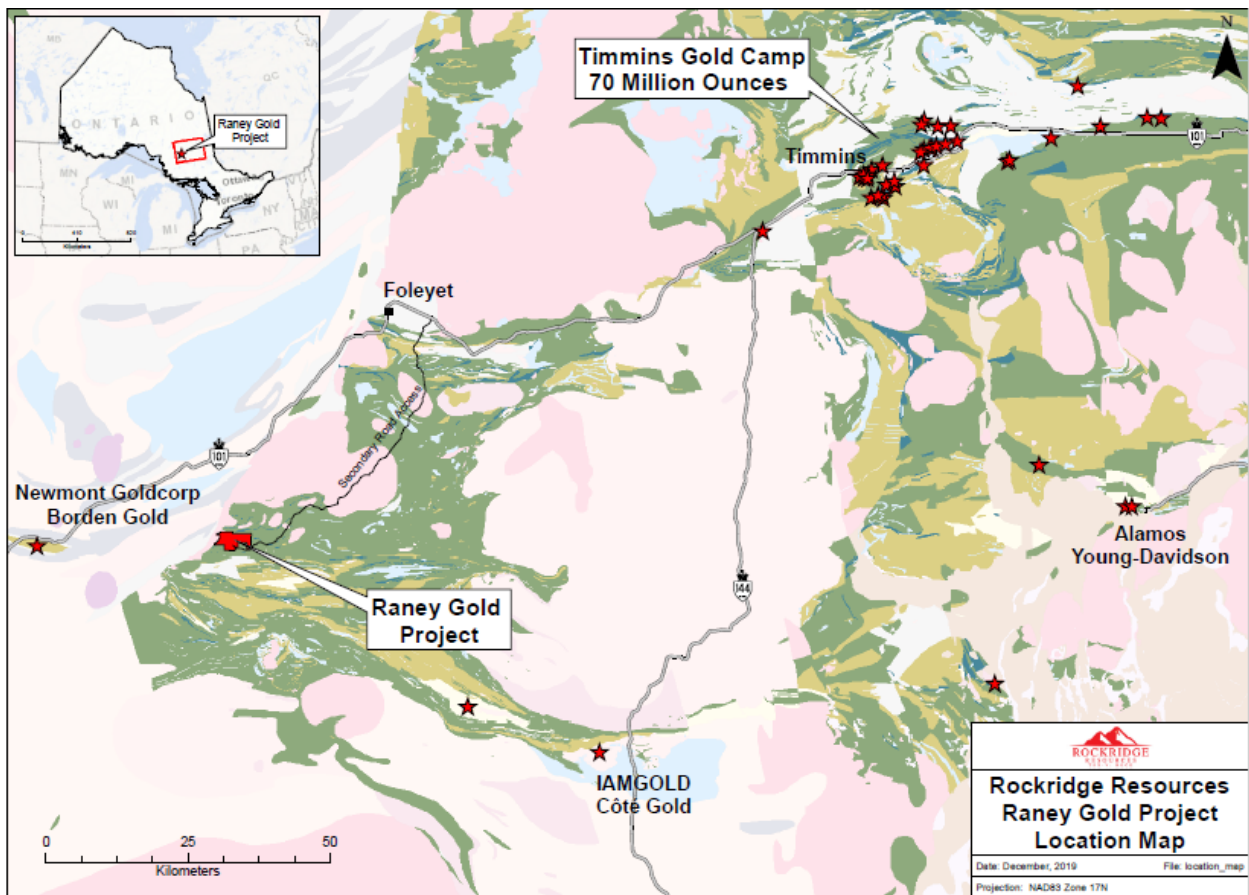
### *Property Description:*

Rockridge Resources Ltd. (ROCK) Raney Gold Property (i.e., the property) consisted of 79 cell mining claims (Appendix A) covering an area of 1,500 hectares in Raney Township of the Porcupine Mining Division, Territorial District of Sudbury, Ontario. The Property is located 128 kilometers south west of Timmins, Ontario (Fig. 1). The work was approved under the Ministry of Energy, Northern Development and Mines (ENDM) Permit: PR-19-000229 effective from 2019/10/24 to 2022/10/23 for the following activities: (Geophysical Survey Requiring Generator Type, Line Cutting (<1.5m width), Mechanized Drilling (Assembled Weight >150kg), Trails (TS)). An additional 67 cell mining claims were registered on April 22<sup>nd</sup> and 23<sup>rd</sup>, 2020 contiguous to the original property following the drilling program.

### *Property Access:*

The property is accessed by travelling from Timmins west along Hwy 101 for 92 km. A sign on the south side of the highway indicates the start of the Foleyet Timber Road (#105). Travel

south along the Foleyet Timber Road for 42 km, yellow mileage markers are posted along the road. Travel to mileage marker 26 located near a T junction in the road. Signage indicates the Foleyet Timber Camp on the west branching Rollo road (#216) off the Foleyet Timber Road. Travel west along the Rollo Road. The Rollo road has white kilometre markers posted, with the Foleyet Timber Camp located at the 2 km marker. Proceed west past the timber camp along the Rollo road to kilometre marker 14 km. Approximately 100 metres past the 14 km marker is the start of a trail on the north side of the Rollo Road. Follow the trail north/west for 11 km to the Raney Gold Project. The trail can be travelled in summer with truck, depending on water conditions and activity of beavers at two ponds along the trail.



**Figure 1:** The location of Rockridge Resources Corporation’s Raney Gold Project. The property boundary is indicated by the red polygon.

*Property Background:*

Raney Township, in addition to 5 other townships and portions of 6 other townships were mapped and documented in the Ontario Department of Mines Annual Report 1934 (Map 43b). At the time of the mapping, The Raney Lake Prospecting Syndicate occurrence is identified at the

approximate location of the Raney Gold Project. The early geological mapping indicates a sequence of conglomerates and volcanic tuffs underlying the Raney Gold Project. The property has experienced numerous phases of small exploration programs including mapping, geochemical surveys, ground geophysical surveys, pack sack drilling and diamond drilling programs. In addition, the Ontario government has completed several successive phases of bedrock mapping and airborne geophysical surveys.

Sporadic exploration programs including mapping, prospecting, geochemical surveys, geophysical surveys, and diamond drilling have been performed on the Raney Project. Rockridge Resources acquired the property in 2016.

*Deposit Type:*

Gold mineralization in the Swayze Belt, and specifically the Raney Township Gold Property is typical of the Archean or Mesothermal Lode Gold deposit model. These deposits are responsible for roughly 20% of the world's cumulative gold production and are mostly characterized by gold enriched quartz vein systems associated with supracrustal belts in low to medium-grade metamorphic terranes. The classification of "mesothermal" is based on numerous characteristics, the most important being the high gold/silver ratio and the temperature at which deposition occurs. On a deposit scale, gold mineralization, alteration, and veining are better developed in areas that are sheared and/or occur in areas of structural heterogeneity such as near major lithological contacts and near intrusions, such as felsic porphyry bodies or dikes. In addition, they are typically vertically continuous and often show strong carbonate alteration (Hodgson, 1993).

Hodgson (1993) classifies mesothermal gold deposits into two types, those in belts dominated by volcanic rocks and those dominated by sedimentary rocks. The volcanic-dominated group can be further divided into three subsets: gold-bearing quartz vein deposits; disseminated pyritic quartz-albite and/or potassium feldspar-carbonate replacement deposits; and sulphide replacement of oxide iron formations.

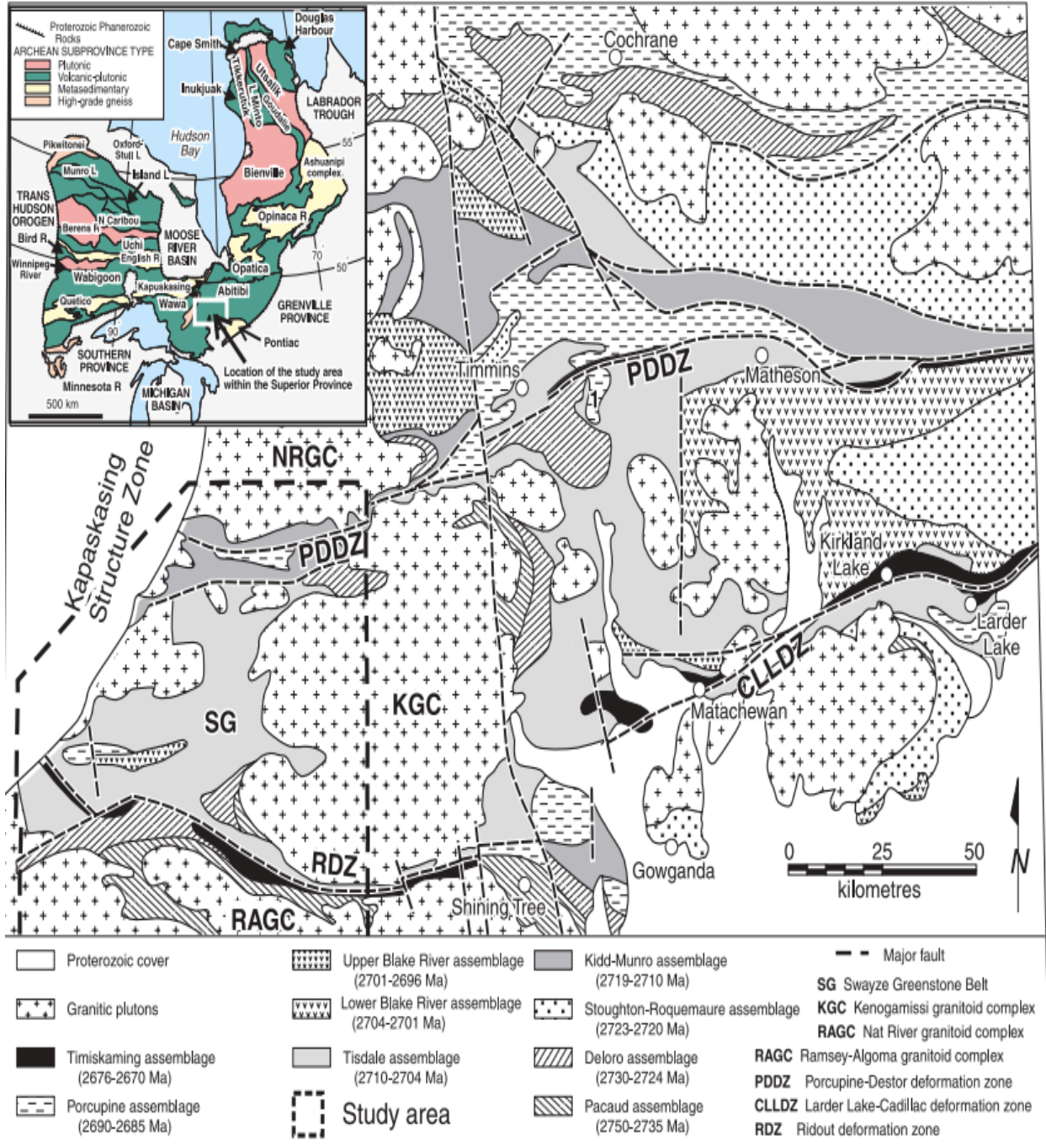
Gold mineralization in the Swayze belt occurs in a wide variety of rock types but is most commonly associated with rusty weathering and schistose, iron-carbonatized and sericitized, mafic volcanic rocks. The mineralization is closely associated with quartz-carbonate veining, commonly



with disseminated iron sulphides and locally with arsenopyrite, stibnite, and base metal sulphides. Vein-type deposits, as seen in the Raney Township area and the Swayze Belt, typically consist of quartz-carbonate veins with associated gold mineralization, sulphides and carbonate mineralization controlled by zones of shearing and fracturing. The sulphides consist mainly of pyrite, and any or all of pyrrhotite, chalcopyrite, galena, and sphalerite (Fekete and Simper, 2008). As well, within the Swayze Belt there is a strong correlation with felsic porphyry intrusions and gold mineralization.

### **Regional Geology:**

The Raney Township Gold Property is located within the northwestern part of the Swayze Greenstone Belt, which in turn is at the western most part of the Abitibi Sub-Province of the Canadian Shield. The first geological reconnaissance of the area by the Ontario Department of Mines was completed by Furse (1932) in the Swayze area, and subsequently further geological mapping of the area was completed by Rickaby (1934) in 1932 and 1933 with special attention to the gold occurrences. Various studies of the Swayze Belt were carried out following this, but the next, and more detailed, geological survey of the Raney Township area occurred in 1971 and 1972 by P. Thurston (Thurston et al., 1977) of the Ontario Geological Survey (OGS). At this time, mineral occurrences were also documented. In 1993, the Geological Survey of Canada (GSC) in conjunction with the OGS initiated a three-year project involving the compilation and analysis of a wide range of digital data over the Swayze greenstone belt using geographic information system (GIS) technology. The Northern Ontario Development Agreement (NODA) funded project involved the compilation and analysis of geoscience data and the production of digital datasets and hardcopy maps useful for regional mapping and exploration within Ontario. Data for the project was provided by Falconbridge Ltd., Noranda Inc., the OGS, and the GSC. As part of this project, Fumerton and Houle (1995) compiled information on the many occurrences of the Swayze Belt in detail in 1991 to 1993, and this data was also released as an MDI file (Fumerton et al., 1996). Heather (1993, 1999) reported on the geology of the Swayze Belt, and produced eight 1: 50,000 scale maps over several townships in the Swayze Belt, although none were over Raney Township. A more regional compilation geological map of the Swayze Belt which includes Raney Township was produced by Ayer and Trowell (2002).



**Figure 2:** Regional Geological Sketch of the Abitibi Greenstone Belt showing the connection to the Swayze Greenstone Belt (SG) and the similar assemblages - from Van Breeman et al., 2006.

In 1981 and 1982, the OGS completed a Questor Airborne Electromagnetic and Total Intensity Magnetic Survey over the Swayze Area. No significant E.M. anomalies were identified over the Property (OGS, 1982). In 2003, the OGS released a geophysical dataset which involved the recompilation and reprocessing of previous surveys over the Swayze Belt, including data

provided by mining companies (OGS, 2003). This was part of the Swayze Belt NODA project, mentioned previously, and resulted in greater detailed airborne magnetics and Electromagnetic data; no significant EM anomalies were noted in the area of interest.

In 1993-94 the OGS conducted a Quaternary geological study over the Swayze belt area, including surficial sediment sampling and analyses of gold grains and other heavy metal components. The survey outlined a number of clusters of sediments anomalous in gold; the immediate area was not identified as prospective, although the area was anomalous in heavy mineral abundances which are an effect of the Kapuskasing structural zone (Bernier, 1994).

The Swayze greenstone belt (SGB) is located within the western Abitibi Sub-province of the Superior province, a Neo-Archean granitoid-greenstone terrane that developed between 2.8 Ga and 2.6 Ga. (Jackson and Fyon, 1991). It is bounded to the west by the Kapuskasing structural zone, to the east by the Kenogamissi batholith and to the north and south by several granitoid complexes. The SGB is connected to the Abitibi greenstone belt by a narrow band of metavolcanic-metasedimentary rocks which wrap around the north and south margins of the Kenogamissi Batholith. Although largely separated from the Abitibi greenstone belt by the Kenogamissi Batholith, the two greenstone belts are considered roughly equivalent in age. Recent mapping and geochronological evidence indicate the Swayze Greenstone Belt contains many of the structures and stratigraphic ages typical of the Abitibi belt in the Timmins-Kirkland Lake area. The Swayze Greenstone Belt is now interpreted to represent a deeper, erosional level of a once continuous Abitibi greenstone belt (Heather et al., 1995), shown in Figure 2. It is described as an arc-like volcano-sedimentary greenstone belt that is convex to the west. The SGB consists of a wide variety of metavolcanic, metasedimentary, and metaplutonic rock types.

Thurston et al. (1977) describes the Swayze Belt as an east-trending belt of metavolcanics and metasediments 26 km (16 miles) wide at the eastern edge of the property area. It extends westward from the eastern boundary of the region 74 km to the Mountbatten-Crockett Townships area, where it is terminated by a north-trending fault zone. The complex consists, from the margins inwards, of mafic metavolcanics succeeded by metasediments termed the Ridout Series by Rickaby (1934, p.7), up to 7.2 km wide. Scattered along the length of the complex are several centers of active felsic volcanism of Early Precambrian and related shallow-water shelf and

continental-rise volcanogenic sedimentation (i.e., the Benton-Marion Townships center, the Denyes-Swayze Townships center, and the Raney Township center).

The Abitibi Greenstone Belt contains the Porcupine Gold Camp, the Kirkland Lake - Larder Lake mining camps, as well as the Val d'Or mining camp (in Quebec), and they are three of the most prolific lode gold producing camps in the world that have historically produced over 100 million ounces of gold. The Swayze Greenstone Belt, which is the western and deeper part of the Abitibi, has a high potential for mesothermal gold as indicated by the number of significant gold occurrences. The regional geology of the Swayze Belt, and the locations of the Jerome Mine, several developed prospects, and the numerous gold occurrences in the belt (documented by the OGS).

### **Economic Geology:**

The Raney Project does not host concentrations of minerals which could be classified within the resource or reserve categories. Limited geological mapping, geophysical surveys and brief diamond drill programs encompass much of the past work. The nature of such previous exploration work is classified as grass roots type exploration work. Below are outlined several projects within the region: include an operating mine, advanced project status, and historical resources.

- Borden Lake Gold Mine (Newmont), is approximately 35 km west of the Raney project, with reserves reported of 4.17 Mt @ 6.38 g/t Au (2015).
- IAMGOLD Cote Project is located 75 km southeast of the Raney Project, and a measured and indicated resource of 355 MT @0.87 g/t Au.
- Rundle Deposit is situated approximately 35 km east of Raney Project. Novamin Resources reported an all-inclusive reserve (1988, non-compliant) of 534,820 t @ 6.53 g/t Au.

### **Property History:**

Earliest exploration in the Raney Township area is known from 1932 onwards. Exploration work has been conducted since this time in at least five previous exploration campaigns by

companies and prospectors. The property is part of the Swayze area, which is one of Ontario's historic gold areas and has seen prospecting activities for a variety of metals. There are several recent discoveries of gold mineralization within the belt, supporting the potential of the Swayze belt mineral endowment typical of the Abitibi Orogenic Belt. The only documented past producing gold mine in the Swayze greenstone belt is the Jerome Mine, located southeast of the Property in Osway Township. There are numerous occurrences close to the property that are undeveloped prospects, with no known reserves.

The only known gold occurrence on the Raney Gold Property is the Raney Occurrence. The history of past exploration activities on the Property is described below.

The earliest documented exploration on the Property was by the Raney Lake Prospecting Syndicate in 1932. A group of 35 claims northeast of Raney Lake was staked, prospected and explored by selective trenching and sampling. Two high-grade (1 oz./ton) gold-bearing quartz veins were discovered and exposed during this program. The first quartz vein, the “No. 1 showing” was striking easterly and dipping steeply north and was traced for 100 feet with a maximum width of 2 feet. Host rocks were indicated as arkose and/or impure quartzite. The vein contained minor pyrite, carbonate, and native gold was noted in one spot. A second quartz vein, the “No. 2 showing”, was exposed 500 feet southwest of the No. 1 showing. It strikes N60E, was exposed continuously for 100 feet, and averaged 6 inches in width. Host rocks were feldspar porphyry which contained trace pyrite, chalcopyrite, and galena. Native gold was observed in one place. These two veins were originally referred to as the “Thorne-Greaves gold showing” (Furse, 1932).

In 1972, J-Dex Exploration Limited staked 4 claims containing the two gold-bearing veins. Most of the property they worked is south of the present Raney Property, near the north shore of Denyes Lake. The claims lapsed but were later staked in 1978 by D.O. Baker. One Winkie drill hole, with a length of 66 m (218 feet), was drilled in the vicinity of the No. 1 showing (Baker, 1979). The location of this hole is uncertain, and assay results are not available.

J-Dex Mining and Exploration acquired claims over the gold showings in 1978, and performed geophysics consisting of a magnetometer and VLF-EM survey. This was followed up with geological mapping and sampling (Caira and Coster, 1984). Assays up to 34.0 g/t Au were

reported from the surface sampling. In 1984 a limited Winkie drilling program was completed, totaling 11 drill holes for 615 m (2,017 feet). Seven holes were positioned at three collar locations to test the No. 1 gold showing. These holes generally cut the vein zone at very shallow depths. Intersections included 4.79 m of 2.16 g/t Au and 2.36 m of 1.21 g/t Au. Four holes were positioned at a single collar location to investigate VLF-EM anomalies located to the northwest of the vein (Caira, 1984). The No. 2 gold showing was not tested during this program.

In 1986 J-Dex Mining and Exploration formed a joint venture with Goldrock Resources and Glen Auden Resources, and they extended the original J-DEX claims to a 72 claim property. Induced Polarization, magnetic, VLF-EM and lithochemical surveys were completed over 15 km of grid covering a portion of the present property (Hodges, 1986). The surveying did not include the swampy area immediately to the east of the No 1 showing.

In 1988 a drilling program was performed to test the IP anomalies, as well as some magnetic anomalies and structures associated with the No. 2 gold showing. A total of thirteen Winkie holes were completed, totaling 375.82 m (1233 feet). Many of the planned targets were never intersected and thus untested. Assay values were not submitted for the drill core samples. The No. 1 gold showing was not tested in this program (MPH Consulting, 1993).

In 1991 Joe-Anne Salo staked several claims which form part of the current property. She and her partners, Larry Salo and William Brereton, cleaned out the old trenches over the No. 1 and No. 2 showings, performed sampling of these showings, and completed geological mapping (Salo, 1992). Assays were not reported.

In 1993 Cree Lake Resources Corp. optioned the property and carried out a program of geological mapping, rock sampling and till sampling over a larger group of claims which included most of the present-day property. Rock sampling confirmed previously indicated values. A soil geochemistry survey outlined a broad zone of weakly anomalous gold-in-soils over the No. 2 gold showing (see Figure 9-2). The soil program did indicate the No. 2 gold showing had the possibility of some strike extension. The geochemical anomaly over this showing is coincident with IP chargeability anomalies defined during previous exploration and is largely untested (MPH Consulting, 1993; see Figure 9-2). A compilation program by Cree Lake Resources interpreted a gold-bearing alteration envelope surrounding the No. 1 auriferous quartz vein and suggested the

vein zone was increasing in intensity and potential to the east. Recommendations for a drilling program to test both gold showings were made, however the company did not have the funds to implement the program and no further work was recorded by Cree Lake Resources. In 1993, Induced Polarization surveys were reported to have been completed over portions of the current property, the data has not been found in the assessment files. The survey work is indicated on a compilation map. In 1999 Joe-Anne Salo and William Brereton completed one drill hole on the property; this program was funded by Ontario Prospectors Assistance Program (OPAP). A total of 251 m (823 ft) was drilled on the projected east extension of the historic No. 1 gold showing. Two zones of irregular quartz-carbonate flooding, patches and veinlets with minor disseminated pyrite were intersected from 127 to 134 m and 148 to 159.5 m. The upper zone returned assay results of 2.50 g/t Au over 1.0 m, while the lower zone assayed 3.37 g/t Au over 6.8 m (Brereton, W., 1999). During this same period of work limited stripping work was carried out over the No. 2 showing. A strong, wide (100 m) shear zone was mapped with white weathered feldspar porphyritic rocks. Systematic sampling was not carried out at this time, further drilling was recommended.

In 2005 Wallbridge Mining Company Ltd. evaluated the property, they compiled previous work and re-logged and sampled the 1999 drill hole. The best assay returned from this sampling was 3.85 g/t Au over 5.9 m within the lower gold zone or No. 2 showing (Oosterman, 2005).

Hinterland Metals Inc. optioned the property in 2007, and from the end of 2007 to mid-2008 completed four drill holes totaling 758 m (Fekete and Simper, 2008). Three of the drill holes tested the No.1 showing, and one of these, RAN07-02, was lost at 99.1 m. The other two drill holes were successful in intercepting two mineralized gold zones over the Main showing. The best results were 2.76 g/t Au and 0.51 g/t Ag over 15.5 m in hole RAN08-04 from the lower zone and 1.62 g/t Au and 0.27 g/t Ag over 1.5 m in hole RAN08-03 from the upper zone. The fourth drill hole tested the No. 2 showing and did not intercept any mineralization. The drill core is still available, and some of it was re-sampled by MPH Ventures Inc. in 2009. The report of work is documented by Fekete and Simper (2008) and a review of this document indicates that industry best practices of standards were employed during the program. No further work was carried out by this company; recommendations included magnetometer and IP surveys, sampling, followed by 6000 m of drilling.

MPH Ventures Corp. conducted trenching and sampling, Induced Polarization (IP) surveys, followed by drilling over the Raney Township Gold Property during 2009 and 2010.

## Diamond Drill Program

### Overview:

The diamond drill program was completed between February 20, 2020 and March 23, 2020. The drill program consisted of nine NQ sized drill holes for a total of 2,070 metres (see Table 1). The purpose of the drill program was to evaluate a historical gold showing. Chenier Drilling Services Inc was contracted for the project. The diamond drilling project is authorized by issue of Exploration Permit No. PR-19-000042 effective from 2019/04/25 to 2022/04/25 for the following activities: (Airborne Geophysical Survey (AA), Geophysical Survey Requiring Generator Type, Ground Geophysical Surveys without a generator (GS), Line Cutting (<1.5m width), Mechanized Drilling (Assembled Weight >150kg), Trails (TS)).

Core logging and splitting was completed at core logging facility in Foleyet. Todd Keast P.Geo., completed the core logging, Riley Keast completed the core splitting. Split core for analysis were delivered to the ALS facility in Timmins. All drill core from this program was subsequently moved to a location in Shining Tree (Larry Salo facility), to be stored with the previous project drill core.

Historical Drilling: Several phases of historical drilling have been completed on the Raney Gold Project. The details of the previous diamond drilling and current program are included in the following Table 1.

**Table 1:** Diamond drill hole table (DDH) indicating the location of each drill collar in Universal Transverse Mercator (UTM) co-ordinates (NAD83 UTM Zone 17), elevation, azimuth, dip, and hole length.

Drill Hole	Company	Year	UTM East	UTM North	Elevation (m)	Azimuth	Dip	Length (m)
84-15WA	JDEX	1984	365735	5303695	397	210	-45	64.9
84-15WB	JDEX	1984	365735	5303695	397	210	-70	60.1
84-15EA	JDEX	1984	365760	5303687	397	210	-45	74.7
84-15EB	JDEX	1984	365760	5303687	397	210	-67	65.8
84-30EA	JDEX	1984	365771	5303676	397	210	-45	56.7



84-30EB	JDEX	1984	365771	5303676	397	210	-65	60.7
84-30EC	JDEX	1984	365771	5303676	397	190	-65	55.2
84-450NA	JDEX	1984	365541	5303833	397	215	-40	56.4
84-450NB	JDEX	1984	365541	5303833	397	215	-65	49.5
84-450NC	JDEX	1984	365541	5303833	397	35	-65	37.5
84-450ND	JDEX	1984	365541	5303833	397	35	-50	33.6
R88-1	Goldrock	1988	365435	5303221	397	180	-50	41.8
R88-2	Goldrock	1988	365684	5302199	397	180	-50	32.0
R88-3A	Goldrock	1988	365686	5303450	397	180	-50	19.8
R88-3B	Goldrock	1988	365686	5303450	397	180	-60	21.3
R88-3C	Goldrock	1988	365685	5303435	397	180	-50	47.2
R88-4	Goldrock	1988	365685	5303538	397	180	-50	33.5
R88-5	Goldrock	1988	365619	5303535	397	180	-50	27.4
R88-6A	Goldrock	1988	365580	5303557	397	180	-50	34.4
R88-6B	Goldrock	1988	365580	5303557	397	180	-60	12.7
R88-7	Goldrock	1988	365516	5303580	397	180	-50	41.1
R88-8	Goldrock	1988	365538	5303531	397	180	-50	31.4
R88-9A	Goldrock	1988	365537	5303504	397	180	-50	20.7
R88-9B	Goldrock	1988	365537	5303519	397	180	-50	15.2
99-01	W. Brereton	1999	365811	5303747	387	180	-60	251.0
RAN-07-02	Hinterland	2007	365810	5303744	387	180	-75	99.1
RAN-08-03	Hinterland	2008	365813	5303747	387	180	-75	251.0
RAN-08-04	Hinterland	2008	365765	5303745	386	180	-50	208.0
RAN-08-05	Hinterland	2008	365502	5303602	394	180	-50	165.0
R-09-06	MPH	2009	365834	5303734	385	180	-50	155.0
R-09-07	MPH	2009	365737	5303752	389	180	-50	152.0
R-09-08	MPH	2009	365795	5303732	393	180	-50	151.3
R-09-09	MPH	2009	365762	5303693	394	180	-50	125.0
R-09-10	MPH	2009	365812	5303692	382	180	-50	122.0
R-09-11	MPH	2009	365813	5303731	382	205	-60	212.0
R-09-12	MPH	2009	365795	5303732	382	205	-60	200.0
R-09-13	MPH	2009	365818	5303747	382	205	-65	189.0
R-09-14	MPH	2009	365747	5303778	382	205	-65	200.0
R-10-01	MPH	2010	365596	5303953	380	205	-50	149.0
R-10-02	MPH	2010	366115	5303678	382	205	-50	100.0
R-10-03	MPH	2010	365775	5303489	382	205	-50	137.0
R-10-04	MPH	2010	365596	5302953	382	205	-50	110.0
R-10-05	MPH	2010	365729	5303775	382	205	-50	149.0
RN-20-01	Rockridge	2020	365715	5303608	391	25	-45	178.5
RN-20-02	Rockridge	2020	365715	5303608	391	25	-65	276.0
RN-20-03	Rockridge	2020	365789	5303516	391	25	-45	291.0
RN-20-04	Rockridge	2020	365753	5303549	391	25	-45	306.0
RN-20-05	Rockridge	2020	365753	5303549	391	25	-58	319.5
RN-20-06	Rockridge	2020	365673	5303615	391	25	-45	175.5
RN-20-07	Rockridge	2020	365731	5303580	391	30	-45	237.0
RN-20-08	Rockridge	2020	365698	5303656	391	25	-45	112.5
RN-20-09	Rockridge	2020	365622	5303667	397	25	-45	174.0

### *2019 Drill Program Procedures:*

*Core Processing:* Drill core was delivered from the drill to the core logging facility in Foleyet. Core was rolled within the core boxes to provide a consistent view/cutting orientation with respect to the preferential fabric, and with respect to oriented core line. This early step provides a consistent orientation of the core for the viewing/photographing and eventual sampling. Core was measured from block to block with wax crayon marks placed at every half metre interval. Core measuring and marking is done to ensure accurate depth of drill hole and to provide an accurate framework for the subsequent collection of the various data elements of core logging. Drill logs (see Appendix B for logs) were compiled by recording metrics such as: lithological units, mineralization, structure, magnetic susceptibility, specific gravity, rock quality designation, reflex tests, and sample descriptions of core chosen for assay. A complete photo record of the drill core (dry & wet) was also collected. Data collection procedures for each metric within the core logs are outlined below.

*Lithologies:* Rock lithologies with an abbreviation code and brief description were recorded during the core logging. The lithologies are based on visual characteristics and features observed in the drill core. In some instance the rock units are supported by the magnetic susceptibility results and/or specific gravity results characteristic of the individual unit. Lithologies are recorded in the drill log spreadsheet (see App. B). Lithologies are best effort field names and not based on major element analysis of the units.

*Downhole Survey:* Downhole Reflex surveys were taken at approximately 50 m intervals. The density of readings was deemed to be sufficient given the minor drill hole deviation. Downhole survey results are recorded in the drill log spreadsheets (see App. B).

*Magnetic Susceptibility:* Magnetic Susceptibility readings were collected at random depths along the length of the drill hole. The purpose of the measurements was to identify a possible magnetic signature for each geological unit. Magnetic susceptibility standards were incorporated in the data collection to ensure the reliability of the measurements. Magnetic Susceptibility results are recorded in the drill log spreadsheets (see App. B).

*Specific Gravity:* Specific Gravity measurements were completed on select pieces of drill core to represent the principle lithologies. The purpose of the measurements was to provide a

Specific Gravity signature for the different lithologies. Specific Gravity standards were incorporated in the data collection to ensure reliability of the measurements. Weight standards were incorporated in the procedure to ensure that the scale was accurate throughout the data collection. Specific Gravity results are recorded in the drill log spreadsheets (see App. B).

*Oriented Core Measurements:* Reflex Act II core orientation equipment was used to obtain a bottom line on the drill core and allow oriented core measurements to be collected. Measurements collected included contacts, quartz veins, foliations.

*Core Angles:* Foliation measurements, contacts, and fault orientations were recorded as part of the logging process and recorded in the drill log spreadsheets (see App. B).

*Rock Quality Designation:* Rock Quality Designation (RQD) and core recovery estimates were completed. RQD and core recovery results are recorded in the drill log spreadsheets (see App. B).

*Sample Intervals:* Core samples selected for analysis were marked with wax crayon indicating the start and end of each sample interval. The sample depths, lengths and intervals were recorded in sample ticket books with each sample assigned a unique sequential sample number. One portion of the sample ticket with the unique sample number was stapled in the core box at the start of the sample. Sampling information is recorded in the drill log spreadsheets (see App. B).

*Core Photographs:* All drill core was photographed. Core was photographed dry and wet. Drill core photos are not submitted with the assessment report but are retained by the company as part of the record of diamond drilling.

*Assays:* Assay results are included for select elements of interest on the Sample Tab of the drill log. Complete assays are available in the drill logs found in Appendix B, and are also found in the assay certificates within Appendix C.

#### *Sample Collection and Assay:*

Samples sent for assay were collected by splitting the drill core along the core axis using a hydraulic core splitter. One half of the core was then returned to the core box, while the other was allocated to a labelled sample bag, specific to that sample interval. Sample intervals, ranging from

0.5 – 1.5 meters, were chosen in areas of interest and were selected to best separate contrasting sulfide contents or lithological contacts. Once a sample interval was split, an assay tag was added to the sample bag for that interval, and the sample bag was then sealed. Assay tags were also stapled into core boxes at the beginning of each sample interval. Sample bags were then sealed in rice bags for shipment to the ALS laboratory in Timmins, Ontario. All samples were prepared following ALS PREP-31 protocol and Au AA-23 analysis.

*Quality Assurance and Quality Control:*

*Assay QAQC:* Standardized and blank samples were included among core samples to assess the accuracy of the assay lab (in addition to the lab's own standards). One of each, a standard and a blank, were included for every 15-20 half-core samples. Three sets of standard materials (OREAS 219 OREAS 223 and OREAS 228) were purchased from Ore Research and Exploration which contained known concentrations of gold, (see App. A: Tab. 1 & 2 & 3 for the mineral contents of OREAS 219,223,228, respectively). The lab was considered to have failed a standard if the reported mineral concentration was three standard deviations (indicated by the standard provider) less than, or greater, than the certified value. Blank materials consisted of quartz landscaping stones purchased from a local hardware store. The lab was considered to have failed a blank if the reported mineral content was several times greater than the lower limit of detection (LLOD).

Results for OREAS 219 were all within the second standard deviation with no failures. Assay results from OREAS 223 were all within the second standard deviation, with no failures. Assay results from OREAS 228 were all within the second standard deviation, with no failures. Assay results from the blanks were all within the third standard deviation. The results from the QAQC program suggests no issues with the assay results.

*Magnetic Susceptibility QAQC:* Magnetic susceptibility (MS) readings were recorded using a Terraplug KT-5 Magnetic Susceptibility Meter. To ensure the precision and accuracy of the MS data throughout the program, readings were taken every 10-20 sample readings from one of four MS in-house created standards (MS-1, MS-2, MS-3, MS-4). The performance of the MS standards supports a high level of confidence and reliability in the magnetic susceptibility data.

*Specific Gravity QAQC:* Specific gravity (SG) was determined using an Ohaus Scout SJX 1502N/E Balance to measure the dry and wet weight of core samples (taking duplicate measures of both). SG was then calculated as the dry weight over the difference between the dry and wet weights. To ensure the precision and accuracy of the SG measurements throughout the program readings were taken from one of four SG standards (SG-1, SG-2, SG-3, SG-4) The accepted specific gravity measurements for SG standards were determined by ALS.

The scale used to collect the SG weights was periodically checked during the program with a specified known set of weights. The scale provided consistent accurate results throughout the program. The performance of the SG standards supports a high level of confidence and reliability in the specific gravity data.

*Drill Site Documentation:*

Drill sites were initially visited to spot the collar picket for the position of the drill hole. The site was revisited once the drilling equipment had been moved to the next drill location. A run of drill collar casing was left in place for each hole, and these casings were sealed and labelled with a metal cap. Drill collars were once more surveyed with a handheld GPS unit. Photographs of all drill sites were taken. Any debris was collected and removed from the drill site.

*Results of the 2019 Drill Program:*

Major Lithological Units – The major units used in the core logging were determined from visual features recognizable in the core, and the experience of the geologist having worked on similar projects. In some cases, the magnetic susceptibility measurements and/or specific gravity measurements provide support for the division of units. Lithology names are intended as “Field Use” best effort rock names, not based on chemical analysis of the individual units. A summary breakdown of the units is included in Table 2

**Table 2:** Lithology codes from the 2020 Raney Drill Program

Unit	Lith Code	Total Meters
Intermediate Volcanic, distinct clasts	IVOLCtuf	920.1
Alteration/Qtz Veins	ALTZN	449.1
Intermediate Volcanic/Argillite fine beds	IVOLCarg	304.1
Casing	CAS	172.7
Intermediate flows with Amygdules	IVOLCamyg	121.8
Intermediate Volcanic	IVOLC	59.5
Argillite black with fine bands laminations	ARGblk	26.8
Intermediate Volcanic with Black angular clasts	IVOLCtufblk	9.2
Lamprophyre Dike	LAMP	6.7
		<b>2070</b>

A brief description of the major individual major rock units from the 2020 drill program follows.

*Intermediate Volcanic Tuff* (IVOLCtuf; see Fig. 3) – Distinct light grey unit with widely spaced angular to subrounded clasts up to several cm. Unit is not sorted nor bedded. Magnetic Susceptibility is very low, 0.15 with very little variation. Specific Gravity of this unit is 2.72 with minor variation.



**Figure 3:** Intermediate Volcanic Tuff (IVOLCtuf) RN-20-01, approximately 93 m downhole. Distinct angular and subrounded clasts up to several cm.

*Alteration Zone* (ALTZN; see Fig. 4) – The Alteration Zone is lighter grey unit with distinct presence 3-25% quartz veins. Veins are generally 1-5 cm in width. The wall rock to the veins is

not strongly foliated or strongly altered. Veins may contain tr-2% pyrite. Magnetic Susceptibility is very low 0.11, and the Specific Gravity is 2.71.



**Figure 4:** Alteration Zone (ALTZN) from RN-20-03, approximately 240 m downhole.

*Intermediate Volcanic / Argillite (IVOLCarg; see Fig. 5) – Intermediate Volcanic/argillite is gradational change from the IVOLCtuf. The unit is characterised by faint, yet distinct bands/beds of fine-grained material interpreted to represent fine tuffs. Magnetic susceptibility is low at 0.15 and the specific gravity averages 2.73.*



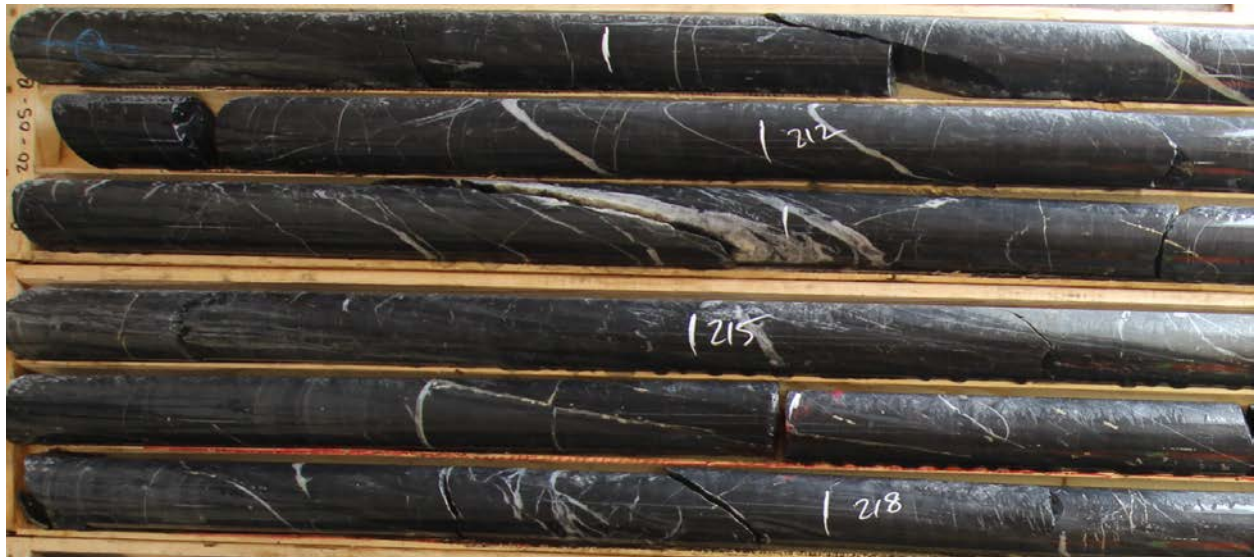
**Figure 5:** Intermediate Volcanic / Argillite (IVOLCarg) from RN-20-07, approximately 170m downhole.

*Intermediate Flows with Amygdules* (IVOLCamyg; see Fig. 6) – Intermediate flows with Amygdules is a light green to dark green with distinct amygdules. Flow breccia textures and sharp contacts are common. MS for the unit averaged 0.29 and the SG for the unit averages 2.75.



**Figure 6:** Intermediate flow with Amygdules (IVOLCamyg) from RN-20-02, approximately 249.0 m downhole.

*Argillite Black with Laminations* (ARGblk; see Fig. 7) – Argillite black with fine laminations is a sedimentary unit with distinct fine bedding laminations. The MS of the unit averages 0.30 and the SG of the unit averaged 2.8. The unit is very rarely slight sooty, and non-conductive.



**Figure 7:** Argillite Black with laminations (ARGblk) from RN-20-05-03, approximately 215 m downhole.



*Mineralization:* Sulphide mineralization is observed in very trace amounts throughout the sequence. Local concentrations of coarse pyrite in cubes up to 5mm was observed. Within the Alteration zone the pyrite content is low at tr-5% consisting of fine disseminations. Coarse visible gold was identified in RN-20-06 between 130.5 and 131.0 m.

*Description of Individual drill holes:*

*RN-20-01* – Drilled to evaluate the continuity of mineralization intersected from hole RN-08-04 (3.91 g.t Au over 17.2m). The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff and four separate Alteration zones. One interval assayed 0.56 g/t Au over 7.0m and a second interval assayed 0.83 g.t Au over 8.9 m. Assay results for this hole, and all other holes, are included in the drill logs found within Appendix B.

*RN-20-02* – Drilled to test the down dip continuation of the stratigraphy and mineralization in RN-20-01. The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, intermediate Volcanic Amygdules and Alteration Zone. One interval assayed 0.63 g/t Au over 8.5m and a separate interval assayed 1.39 g/t Au over 13.0 m.

*RN-20-03* – Drilled to test the southeast extension of the alteration system. The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, intermediate Volcanic Amygdules and three separate Alteration Zones. One interval assayed 0.29 g/t Au over 4.5 m, a second interval assayed 0.52 g/t Au over 23.0 m and demonstrates the continuity of the zone to the southeast.

*RN-20-04* – Drilled to test the continuity of the mineralization at depth. The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, intermediate Volcanic Amygdules and Alteration Zone. One interval assayed 0.24 g/t Au over 7.0 m, and a second interval assayed 0.21 g/t Au over 4.0 m.

*RN-20-05* – Drilled to test the continuity of the mineralization at depth. The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, intermediate Volcanic

Amygdules and Alteration Zone, and Argillite Black. One interval assayed 0.53 g/t Au over 6.0 m, and a second interval assayed 0.34 g/t Au over 4.0 m.

*RN-20-06* – Drilled to western continuity of the mineralization at depth. The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, intermediate Volcanic Amygdules and Alteration Zone, and Argillite Black. Coarse 8mm clots of visible gold were encountered in on of the Alteration zones. One interval assayed 0.23 g/t Au over 7.0 m, and a second interval which contained the visible gold assayed 27.98 g/t Au over 6.0 m.

*RN-20-07* – Drilled to test the central section of the mineralization. The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, Lamprophyre Dike and several Alteration Zones. One interval assayed 0.62 g/t Au over 5.0 m, and a second interval assayed 0.69 g/t Au over 5.0 m, a third interval assayed 0.57 g/t Au over 7.0 m, a fourth interval assayed 0.38 g/t Au over 3.5 m, a fifth interval assayed 0.18 g/t Au over 4.0 m.

*RN-20-08* – Drilled to test the shallow interval above hole RN-20-06. The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, Lamprophyre Dike and several Alteration Zones. One interval assayed 0.39 g/t Au over 6.0 m, and a second interval assayed 0.16 g/t Au over 7.2 m.

*RN-20-09* – Drilled to test the western extension of the gold mineralization intersected RN-20-06 The drill hole encountered Intermediate Volcanic Argillite, Intermediate Volcanic Tuff, Alteration Zone, and Argillite Black. One interval assayed 0.42 g/t Au over 4.0 m, and a second interval assayed 0.49 g/t Au over 2.0 m.

### **Interpretation:**

A drill plan and sections are included in Appendix E. The 2020 drill program supports and confirms the exploration potential of the Raney Project. The volcanic package is striking at Azimuth 115° with a vertical dip. The units do not correlate well on section or across section, despite having several distinct units. Folding has not been identified in the drill core and the strain in the rock is low with clasts angular and not significantly deformed. The lack of correlation of

the units may be a result of original complexity of the volcanic pile. Gold mineralization is associated with sections of volcanics with an increase in narrow quartz veins. The rocks do not have a strong shear fabric. Carbonate alteration, common in many gold deposits is not widespread or intense on the Raney Gold showing. Oriented core measurements collected during the program suggest the veins are oriented approximately 20 degrees off from the fabric. The alteration zones do not show simple continuity on sections or between sections. A current working idea is that the veining is forming a series of en echelon panels contained within an approximately 100 m wide structural corridor as part of an SC fabric.

The drilling has not tested the limits of the structural corridor. Despite the low magnetic response of the volcanic package of rocks there is an indication to the continuity of the structural corridor which represents future exploration targets.

**Recommendations:**

Additional exploration is recommended for the Raney Project. The northwest extension to the structural corridor is an immediate exploration target. A detailed magnetometer survey will define the mag low associated with the structural corridor. Mapping and prospecting will be completed along the interpreted structural corridor. Mineralization is very subtle and so far not responsive to Induced Polarization methods. An exploration budget proposal of \$450,000 is recommended to follow up on the exploration potential of the Raney Project (see Tab. 3 for a rough outline of expected costs).

**Table 3:** Budget outline for the Proposed 2020 exploration program on Rockridge Resources Raney Gold Project.

<b>Expenditure</b>	<b>Details</b>	<b>Expenditure Estimate</b>
Surveys	Drone Survey Extension	\$ 5,000
		<b>\$ 5,000</b>
Drilling	Drill Mobilization	\$ 4,000
	Drill De-mobilization	\$ 4,000
	Drilling meters	\$ 225,000
	Labor cost (Drillers)	\$ 22,500
	Excavator (setups, trails)	\$ 6,750
	Core boxes, Casing, Casing Caps, etc.	\$ 10,000
	Reflex Tests	\$ 3,600
	Reflex Unit	\$ 3,500
	Act II Oriented Core	\$ 3,500
		<b>\$ 282,850</b>
Facilities / Lodging	Cabin Maple Street Lodge	\$ 4,000
	Core Shack Maple Street Lodge	\$ 5,000
		<b>\$ 9,000</b>
Personel	Geologist	\$ 32,000
	Geoteck	\$ 17,500
	Geoteck	\$ 8,750
		<b>\$ 58,250</b>
Assay	ALS Labratories	\$ 32,000
		<b>\$ 32,000</b>
Transportation	Truck Rental	\$ 3,000.00
	Truck Fuel	\$ 2,000.00
		<b>\$ 5,000</b>
Equipment Rental	Computer, Camera, MS Meter, SG Station	\$ 2,000
		<b>\$ 2,000</b>
Supplies	Sample Bags & Tags; Zip Ties, Flagging	\$ 3,000
	Groceries	\$ 2,000
		<b>\$ 5,000</b>
	<b>Sub Total</b>	<b>\$ 399,100</b>
	<b>10% Contingency</b>	<b>\$ 39,910</b>
	<b>First Nations 2%</b>	<b>\$ 7,982.00</b>
	<b>Total Budget Estimate</b>	<b>\$ 446,992</b>

## Certificate of Qualified Personal

I, Todd Keast, am a professional geologist, residing at 78 Nova Drive, Sudbury, Ontario, P3E 0A6, and do hereby certify that:

I am the author of the report titled:

“Diamond Drilling Report for the Raney Property of Rockridge Resources Ltd, Raney Twp., Porcupine Mining Division, Ontario.”

- I am a Practising Member of the Association of Professional Geoscientists of Ontario (membership #911). I am a graduate of University of Manitoba, 1987 with a B.Sc. Honours Geology degree.
- I have practised my profession in mineral exploration continuously since graduation. I have over thirty-three years of experience in mineral exploration.

Dated this 24th day of September, 2020.

**Todd Keast, P.Geo.**

*“Original Document signed and sealed by Todd Keast, P.Geo.”* Todd Keast, P.Geo.

## References:

- Ayer, J.A., and Trowell, N.F., 2002. Geological compilation of the Swayze area, Abitibi Greenstone belt. Ontario Geological Survey, Preliminary map P3511.
- Baker, D.O., 1971. Diamond drilling report No. 10, Raney Township. MNDMF Afri file 41O15SW0027.
- Baker, D.O., 1979. Diamond drilling report No. 18, Raney Township. MNDMF Afri file 41O15SW0019.
- Bernier, M.A., 1994. Particulate gold and heavy mineral abundance in surficial sediments, western Swayze greenstone belt. Ontario Geological Survey, Open File Report 5898, 63p.
- Brereton, W., 1999. Report on diamond drilling program, Raney Township Gold Property, Porcupine Mining Division, Ontario. OPAP 99-97. MNDMF Afri file 41O15SW2008.
- Caira, N., 1984. Diamond drilling report No. 20 for D.O. Baker, Raney Township. MNDMF Afri file 41O15SW0012.
- Caira, N., and Coster, I., 1984. Geological Report of the 21 claim Raney Township Property, Raney Township, Swayze Gold Belt, for J-Dex Mining and Exploration. MNDMF Afri file 41O15SW0010.
- Donovan, J.F., 1968. Swayze and Dore Townships, Ontario, Dept of Mines, Geological Report 33, 22p.
- Fekete, M., and Simper, J., 2008. Hinterland Metals Inc. Report of Drilling, Raney Property, Porcupine Mining Division, Ontario, NTS Sheet 041O15, 047°52'N, 82°48' W. MNDMF Afri file 2.38421.
- Fumerton, S. and Houle, K. 1993. Mineral showings, occurrences, deposits and mines of the Swayze Greenstone Belt, interim report; Ontario Geological Survey, Open File Report 5871, v.1, p.1 -352, 763p.
- Fumerton, S., and Houle, K., 1995. Minerals prospects of the Swayze greenstone belt, Volume 1 – parts of NTS 41O and Volume 2 – parts of NTS 41P, 42A, and 42B. Ontario Geological Survey, Open File Report 5912, v.2, p. 373-714.
- Furse, G.J.X., 1932. Geology of the Swayze Area, Ontario Department of Mines, Vol. 41 pt 3, 18p.
- Gordon, J.B. et al. 1979. Gold Deposits of Ontario, Part 2, Ontario Geological Survey, Mineral Deposits Circular 18.

- Heather, K.B., 1993. Regional geology, structure, and mineral deposits of the Archean Swayze greenstone belt, southern Superior Province, Ontario; in Current Research, Part C. Geological Survey of Canada, Paper 03-1C, p. 405-482.
- Heather, K.B., Shore, G.T., and van Breeman, O., 1995. The convoluted “layer-cake”: an old recipe with new ingredients for the Swayze greenstone belt, southern Superior Province, Ontario. Current Research 1995-C, Geological Survey of Canada.
- Heather, K.B., and Shore, G.T., 1999. Geology of the Swayze Greenstone Belt, Ontario. Geological Survey of Canada, Open File 3384.
- Hodges, D. G., 1986. Geological report on the Raney Township Property of J-Dex Mining and Exploration. MNDMF Afri file 41O15SW0009.
- Hodgson, C.J. and MacGeehan, P.J. 1982. Geological Characteristics of Gold Deposits in the Superior Province of the Canadian Shield, in Geology of Canadian Gold Deposits, Can. Inst Min. Se. Met, Special Vol. 24, p. 211-232.
- Hodgson, 1993. Mesothermal Lode Gold Deposits *in* Mineral Deposit Modeling, Kirkham, R.V., Sinclair, W.D., Thorpe, R.I. and. Duke, J.M., Editors; Geological Association of Canada, Special Paper 40, p.635-678.
- Jackson, S.L., and Fyon, J.A., 1991. The western Abitibi Subprovince in Ontario, in Geology of Ontario. Ontario Geological Survey, Special Volume 4, Part 1, p. 405-482.
- Kettles, K., 2011. Technical Report on the Raney Township Gold Property, Raney Township, Porcupine Mining District, Ontario, Canada, prepared for MPH Ventures Corp.
- MPH Consulting Ltd., 1993. Report on the 1993 Exploration Program on the Raney Lake Gold Property of Cree Lake Resources Corp., Raney Township, Porcupine Mining Division, Ontario. MNDMF Afri file 41O15SW0029.
- OGS, 1982. Airborne Electromagnetic and Total Intensity Magnetic Survey, Swayze Area, Ivanhoe River Sheet, District of Sudbury; by Questor Surveys Limited for the Ontario Geological Survey, Map 80536 Geophysical/Geochemical Series, Scale 1:20 000. Survey and Compilation December, 1980, to February 1981.
- OGS, 2003. Swayze Area, Ontario airborne magnetic and electromagnetic surveys, processed data and derived products, Archean and Proterozoic “greenstone” belts; Geophysical Data Set 1015-Revised , Ontario Geological Survey, Sudbury.
- Oosterman, D.J., 2005. The Geology and economic potential of the Raney Lake Gold Showing, Raney Township. Private company report.
- Rickaby, H.C., 1934. Geology of the Swayze Gold Area, Ontario Department of Mines, Vol. XLIII, pt 3, p. 1-36.



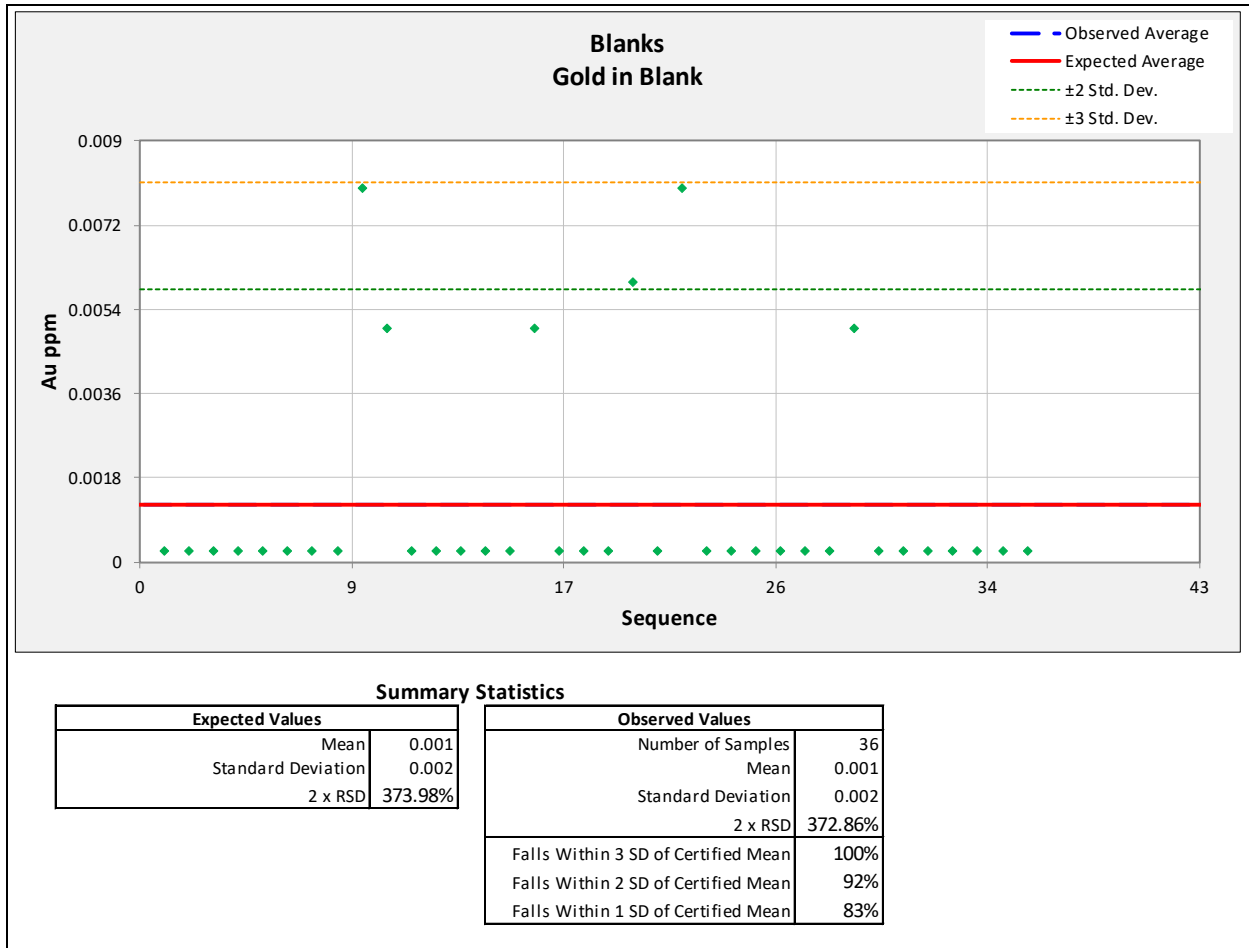
Salo, J.G., 1992. OPAP final submission. MNDMF Afri file No. 41O15NW0004.

Siragusa, G. M., 1989. Summary of Field Work and Other Activities 1988 published by the Ontario Ministry of Northern Development and Mines, Miscellaneous Paper 141, pp. 222-224.

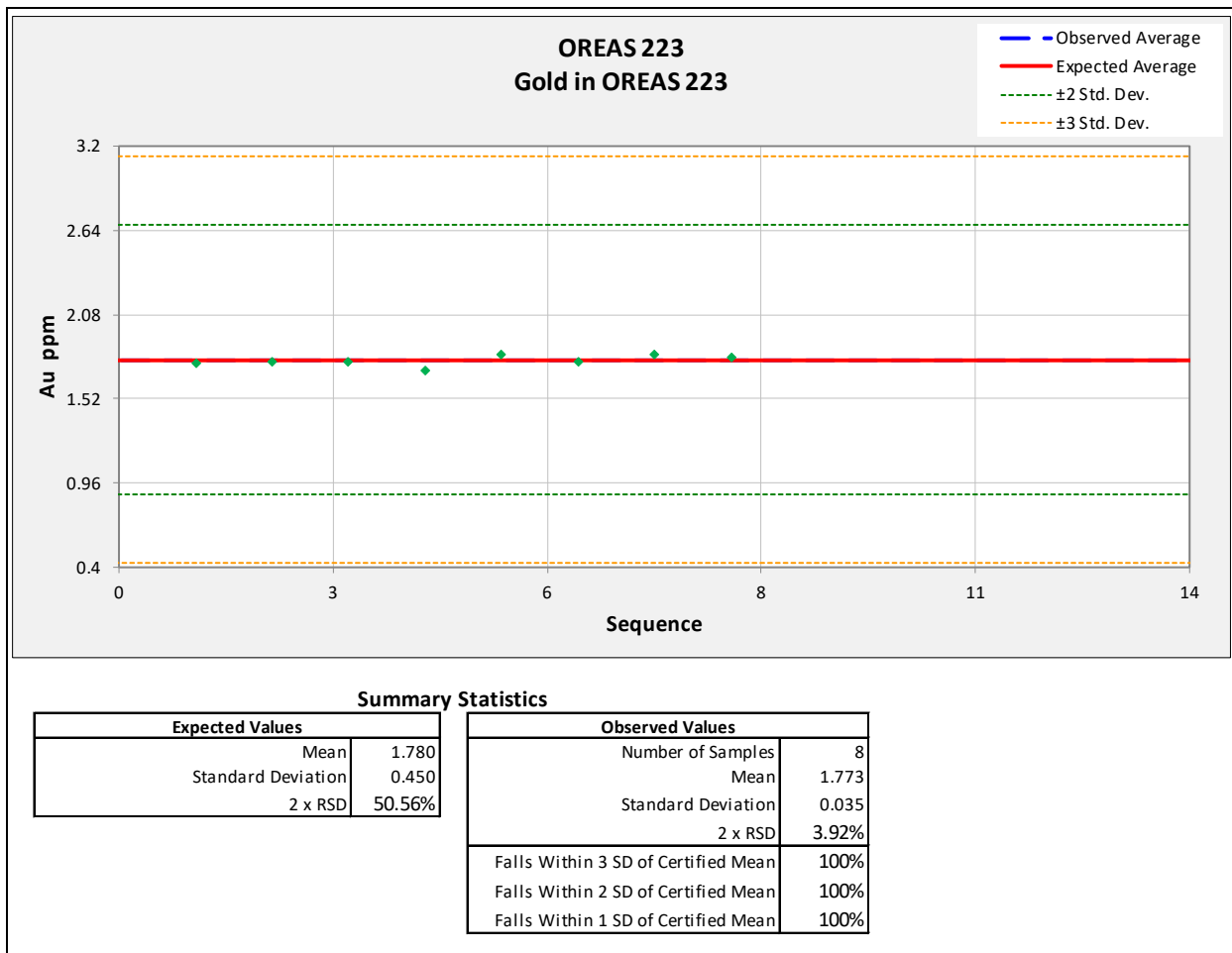
Siragusa, G.M., 1993. Geology, Geochemistry and Mineralization of the Southern Margin of the Swayze Belt; Ontario Geological Survey, Open File Report 5844, 144p.

Thurston, P.C., Siragusa, G.M., and Sage, R.J., 1977. Geology of the Chapleau Area, Districts of Algoma, Sudbury, Cochrane; Ontario Div. of Mines, GR157, 293 p. Accompanied by Maps 2351 and 2352, scale 1:250,000 and Map 2221, Scale 1 inch to 4 miles (1:253,440).

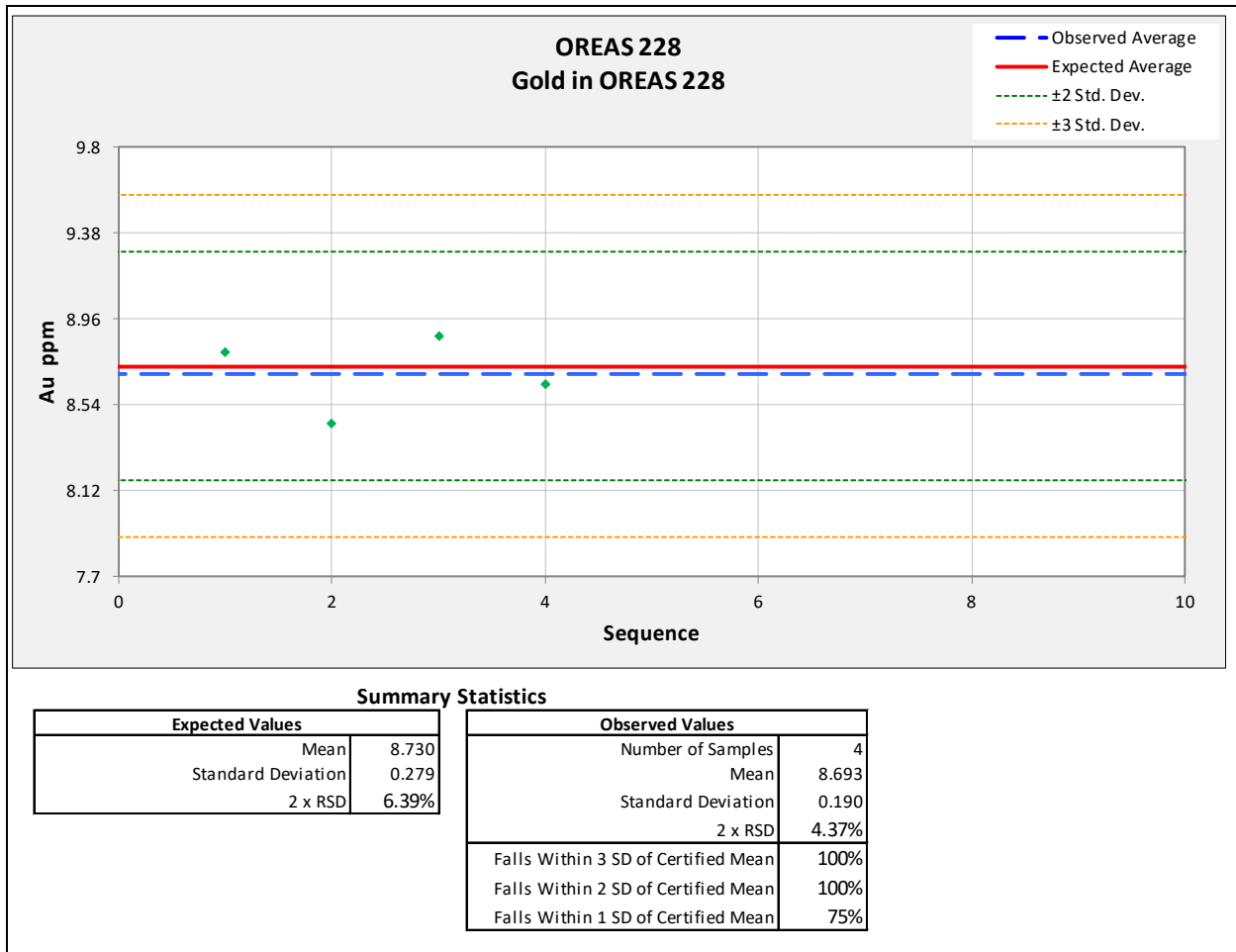
## Appendix A: Quality Assurance and Quality Control



**Figure 1:** Assay data for blank sample standard materials which were prepared following ALS PREP-31 protocol and assayed by AU-AA-23 analysis by the ALS laboratory in Timmins.



**Figure 2:** Assay data for OREAS 223 gold standard material samples which were prepared following ALS PREP-31 protocol and assayed by AU-AA-23 analysis by the ALS laboratory in Timmins.



**Figure 3:** Assay data for OREAS 228 gold standard material samples which were prepared following ALS PREP-31 protocol and assayed by AU-AA-23 analysis by the ALS laboratory in Timmins.

**Appendix B: Drill Logs**

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-01</b>																				
	<b>Cell Mining Claim #'s</b>																				
<b>Location</b>	192726																				
<b>Purpose</b>	Test south dip interpretation to the alteration/mineralized zones																				
<b>Explanation</b>	Three zones of alteration/qtz veining intersected.																				
<b>Start date</b>	February 22, 2020																				
<b>End date</b>	February 24, 2020																				
<b>Drill Contractor</b>	Chenier Drilling Services Inc.																				
<b>Core Size</b>	NQ																				
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550																				
<b>Casing</b>	17.8 m casing left in ground										<b>Capping</b>	Metal Cap									
<b>Artesian Y/N</b>	Yes casing making water.																				
<b>Water Source</b>	Small pond 50 m east of drill setup																				
<b>Logged By</b>	Todd Keast																				
<b>Log Completed</b>	February 25, 2020										<b>Assays Added</b>	September 19, 2019 March 25, 2020									
<b>Comments</b>	APS used to set drill, APS off by 5 degrees.																				
<b>Comments</b>	38 Boxes Core																				

## Comments

BHID	Depth	Az	Declin (-09)	Dip	Mag Field	Mag Susc	Use Az	Use Dip	Comments
RN-20-01	0	25	25.0	-45.0			N	Y	As spotted in field. APS is incorrect
RN-20-01	24.0	40.3	31.3	-46.6	55168	0.07	Y	Y	
RN-20-01	51.0	39.7	30.7	-45.8	55282	0.14	Y	Y	
RN-20-01	100.0	39.2	30.2	-44.8	55227	0.10	Y	Y	
RN-20-01	150.0	40.2	31.2	-43.9	55209	0.10	Y	Y	



BHID	From	To	Litho	Comment
RN-20-01		0 23.10	CAS	CASING-Overburden
RN-20-01	23.10	36.50	IVOLCarg	Intermediate Volcanic argillite- Light green-grey fine grained. Weakly foliated, rare scattered bands wispy lamination like features. Lighter color bands/beds rare widely scattered. Distinct light lapilli sized clasts, local sections with increased lapilli content. 24.2 -25.5 Brecciated/healed interval. Light green frags/rounded healed. 31.2 - 31.7 Qtz Vein white tr carb 45 deg to CA Hardness H 6 able to scratch.
RN-20-01	36.50	55.40	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to several cm angular. Clasts fine grained light color. Local coarser sections tuff breccia, 0.2cm-3cm. Slightly lighter color increase sericite content. Distinct 1-3 mm feldspar clasts give a spotted appearance. Gradational upper contact.
RN-20-01	55.40	61.00	IVOLCtuf	Intermediate Volcanic - Light green-grey fine grained. Weakly foliated, rare scattered bands wispy lamination like features. Rare 1mm py stringer Gradational upper contact.
RN-20-01	61.00	69.00	ALTZNser	Alteration Zone Sericite - Light buff, siliceous sericite alteration. Weak foliation not shear structure. Very weak to rare fizz with acid little to no carbonate. 1-3% qtz veins up to 10 cm wide. Py rare <.05%. Veins cross cutting average 1 cm wide Possible remnant lapilli tuff texture.  61.4 m 10 cm local section with moderate foliation. 63.4-63.6 White Qtz vein rare single py grain.  Gradational upper contact.
RN-20-01	69.00	105.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated.

Distinct lapilli sized clasts up to several cm angular.  
Clasts fine grained light color. Local coarser sections tuff breccia, 0.2cm-3cm.  
Gradational upper contact.

80.3-80.5 Qtz Vein 1-3% fine py.  
81.5-84.3 first appearance of fine grained cherty siliceous broken bands/beds brecciated at 10 deg to CA.  
90.5 35 cm section of fine buff laminated interbed tr py.

@96 m weak carbonate fizz scattered.

Down hole the unit has a lapilli tuff texture with distinct clast outlines and granular groundmass texture.  
Weak foliation.

99.4-100.0 Broken Blocky Core  
100.6-101.2 Broken Blocky Core  
102.1-103.0 Narrow fine grained beds and bands

RN-20-01 105.00 118.00 ALTZN

Alteration Zone - Light buff, siliceous sericite alteration. Weak foliation not a schist.  
Very minor to no fizz with acid little to no carbonate.  
7-10% qtz veins up to 10 cm wide. Py 1-3% fine grained and fine cubes.  
Possible remnant lapilli tuff texture.

110.0-113.25 strongest section of qtz veins 25% white grey veins 1% py locally 3-5%py  
117.4-117.8 Fine grained siliceous cherty bands/beds.

RN-20-01 118.00 126.10 IVOLCtuf

Intermediate Volcanic Lapilli Tuff- Green grey. Weakly foliated.  
Distinct lapilli sized clasts up to several cm angular.  
Hardness 6-7 just able to scratch. No acid fizz  
Gradational upper contact.

RN-20-01 126.10 135.00 ALTZN

Alteration Zone - Light buff, siliceous sericite alteration. Weak foliation not a schist.  
No fizz with acid little to no carbonate.  
7-10% qtz veins up to 10 cm wide. Py 1-3% fine grained and fine cubes.

131.0-133.3 - section with 50% qtz veins 1-3% py

Vein irregular orientation suggest a possibile stockwork. Weka foliation some veins parallel some cross cutting.

RN-20-01 135.00 140.00 IVOLCtuf

Intermediate Volcanic Lapilli Tuff- Green grey. Weakly foliated.  
Distinct lapilli sized clasts up to several cm angular.  
Hardnes 6-7 just able to scratch. No acid fizz  
Gradational upper contact.

RN-20-01 140.00 151.50 ALTZN

Alteration Zone - Weaker alteration then previous zones. Groundmass between veins are green lap tuf. Light buff.  
No fizz with acid little to no carbonate. Distinct Lapilli tuff clasts.  
7-10% qtz veins widely spaced. Py 1-3% fin grained and fine cubes.

141.2-143.5 Section with strong sericite content, interval has a distinct yellow color, moderate foliation fine grained.  
1-3% qtz veins H 6-7. 1-3% py

White qtz veins cross cut foliation at 80 deg to CA.

148.5-151.2 10-15% qtz veins. Distinct lapilli tuff groundmass between veins unaltered.

RN-20-01 151.50 178.50 IVOLCtuf

Intermediate Volcanic Lapilli Tuff- Green grey. Weakly foliated.  
Distinct lapilli sized clasts up to several cm angular.  
Hardnes 6-7 just able to scratch. No acid fizz  
Gradational upper contact.

162.3 -164.0 Narrow fine banded interval, light and dark bands.

165.0-166.5 Banded interval

169.8-170.2 White qtz vein.

171.0-172.6 Banded/bedded section with 1 cm alternating dark light beds.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
ARG	Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

BHID	Depth	MS	Lith
RN-20-01	M3-3	1.04	
RN-20-01	19.0	0.03	IVOLC
RN-20-01	24.0	0.07	IVOLC
RN-20-01	27.0	0.10	IVOLC
RN-20-01	29.5	0.09	IVOLC
RN-20-01	34.0	0.12	IVOLC
RN-20-01	35.5	0.00	IVOLC
RN-20-01	37.0	0.10	IVOLCtuf
RN-20-01	39.0	0.09	IVOLCtuf
RN-20-01	MS-1	75.50	
RN-20-01	41.0	0.10	IVOLCtuf
RN-20-01	43.0	0.07	IVOLCtuf
RN-20-01	44.5	0.08	IVOLCtuf
RN-20-01	47.0	0.09	IVOLCtuf
RN-20-01	50.0	0.11	IVOLCtuf
RN-20-01	52.0	0.14	IVOLCtuf
RN-20-01	53.1	0.13	IVOLCtuf
RN-20-01	56.0	0.13	IVOLCtuf
RN-20-01	59.0	0.12	IVOLCtuf
RN-20-01	MS-2	0.07	
RN-20-01	63.0	0.14	ALTZN
RN-20-01	66.0	0.17	ALTZN
RN-20-01	69.0	0.12	ALTZN
RN-20-01	73.0	0.10	IVOLCtuf
RN-20-01	77.0	0.08	IVOLCtuf
RN-20-01	81.0	0.13	IVOLCtuf
RN-20-01	87.0	0.15	IVOLCtuf
RN-20-01	91.0	0.09	IVOLCtuf
RN-20-01	96.0	0.14	IVOLCtuf
RN-20-01	99.5	0.10	IVOLCtuf
RN-20-01	MS-3	1.13	
RN-20-01	103.5	0.16	IVOLCtuf
RN-20-01	108.0	0.05	ALTZN
RN-20-01	111.0	0.11	ALTZN
RN-20-01	115.0	0.15	ALTZN
RN-20-01	121.0	0.13	IVOLCtuf
RN-20-01	125.0	0.12	IVOLCtuf
RN-20-01	129.0	0.05	ALTZN
RN-20-01	133.0	0.07	ALTZN
RN-20-01	MS-2	0.00	
RN-20-01	136.0	0.01	IVOLCtuf
RN-20-01	141.0	0.16	ALTZN
RN-20-01	143.5	0.12	ALTZN
RN-20-01	147.0	0.14	ALTZN
RN-20-01	152.0	0.15	IVOLCtuf
RN-20-01	156.0	0.16	IVOLCtuf

RN-20-01	159.0	0.14	IVOLCtuf
RN-20-01	162.0	0.11	IVOLCtuf
RN-20-01	165.5	0.14	IVOLCtuf
RN-20-01	MS-4	23.90	
RN-20-01	169.0	0.05	IVOLCtuf
RN-20-01	173.0	0.17	IVOLCtuf
RN-20-01	177.0	0.12	IVOLCtuf

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG
RN-20-01	Feb 24,2020	Weight	170.00	170.24	170.25	170.25				
RN-20-01	Feb 24,2020	SG-4	Glass	273.66	273.68	273.67	164.81	164.8	164.81	2.51
RN-20-01	Feb 24,2020	26.00	IVOLC	348.66	348.67	348.67	220.5	220.47	220.49	2.72
RN-20-01	Feb 24,2020	45.00	IVOLC	327.9	327.90	327.90	207.48	207.44	207.46	2.72
RN-20-01	Feb 24,2020	65.50	ALTZN	244.85	244.83	244.84	155.33	155.26	155.30	2.73
RN-20-01	Feb 24,2020	84.30	IVOLC	366.81	366.81	366.81	230.56	230.5	230.53	2.69
RN-20-01	Feb 24,2020	101.50	IVOLC	484.90	484.90	484.90	311.37	311.37	311.37	2.79
RN-20-01	Feb 26,2020	Weight	10	10.00	10.02	10.01				
RN-20-01	Feb 26,2020	110.00	ALTZN	147.48	147.48	147.48	93.09	93.02	93.06	2.71
RN-20-01	Feb 26,2020	141.50	ALTZN	219.38	219.38	219.38	138.95	138.94	138.95	2.73
RN-20-01	Feb 26,2020	178.00	IVOLC	436.39	436.39	436.39	275.23	275.26	275.25	2.71

			Oriented Core							
BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment
RN-20-01	24	40				Weak				
RN-20-01	30.00	30				Weak				
RN-20-01	31.20	45						5 cm		
RN-20-01	44.00	40				Weak				Foliation of Lapilli Clasts
RN-20-01	49.00	55				Weak				
RN-20-01	52.00	35				Mod				
RN-20-01	57.00	40				Weak				
RN-20-01	63.50		50	340				2 cm		
RN-20-01	64.60		50	15				5 cm		
RN-20-01	67.90		40	325				10 cn		
RN-20-01	68.50		50	330		Weak				
RN-20-01	77.00	45				Weak				
RN-20-01	84.00	40					Fine Grained bands argllite			
RN-20-01	90.50	40					Light Laminations wispy			
RN-20-01	102.40		40	335			Well developed bands laminations			
RN-20-01	106.60		45	340		Weak - Mod	cherty bands			
RN-20-01	110.60		55	332			QV			
RN-20-01	111.50		55	250			QV sharp grey odd vein			
RN-20-01	111.60		55	310		Mod	QV			
RN-20-01	119.20		48	310		Weak	lap clast			
RN-20-01	121.00	45				Weak	lap clast - alignment			
RN-20-01	127.80		50	15			QV			
RN-20-01	129.80		50	260			QV			
RN-20-01	132.00		55	95			QV			
RN-20-01	135.70		50	290		Weak				
RN-20-01	142.30		50	335		Mod				Fine ser and cherty appearance
RN-20-01	149.10	85						10 cm vein		
RN-20-01	162.60	45				Mod	1cm beds/bands			
RN-20-01	171.20	55				Weak				
RN-20-01	171.60	40					1 cm beds/bands			



BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-01	0.0	18.0	CAS					
RN-20-01	18.0	21.0	3.0	2.9		100	97	Excellent
RN-20-01	21.0	24.0	3.0	2.7		100	90	Excellent
RN-20-01	24.0	27.0	3.0	2.0		100	67	Fair
RN-20-01	27.0	30.0	3.0	2.4		100	80	Good
RN-20-01	30.0	33.0	3.0	2.8		100	93	Excellent
RN-20-01	33.0	36.0	3.0	2.8		100	93	Excellent
RN-20-01	36.0	39.0	3.0	2.9		100	97	Excellent
RN-20-01	39.0	42.0	3.0	2.9		100	97	Excellent
RN-20-01	42.0	45.0	3.0	2.9		100	97	Excellent
RN-20-01	45.0	48.0	3.0	2.8		100	93	Excellent
RN-20-01	48.0	51.0	3.0	2.8		100	93	Excellent
RN-20-01	51.0	54.0	3.0	2.9		100	97	Excellent
RN-20-01	54.0	57.0	3.0	2.9		100	97	Excellent
RN-20-01	57.0	60.0	3.0	3.0		100	100	Excellent
RN-20-01	60.0	63.0	3.0	3.0		100	100	Excellent
RN-20-01	63.0	66.0	3.0	2.9		100	97	Excellent
RN-20-01	66.0	69.0	3.0	3.0		100	100	Excellent
RN-20-01	69.0	72.0	3.0	3.0		100	100	Excellent
RN-20-01	72.0	75.0	3.0	2.9		100	97	Excellent
RN-20-01	75.0	78.0	3.0	2.9		100	97	Excellent
RN-20-01	78.0	81.0	3.0	3.0		100	100	Excellent
RN-20-01	81.0	84.0	3.0	3.0		100	100	Excellent
RN-20-01	84.0	87.0	3.0	2.9		100	97	Excellent
RN-20-01	87.0	90.0	3.0	2.4		100	80	Good
RN-20-01	90.0	93.0	2.8	2.9		93	97	Excellent
RN-20-01	93.0	96.0	3.0	2.8		100	93	Excellent
RN-20-01	96.0	99.0	3.0	2.8		100	93	Excellent
RN-20-01	99.0	102.0	3.0	2.1		100	70	Fair
RN-20-01	102.0	105.0	2.9	2.5		97	83	Good
RN-20-01	105.0	108.0	3.0	2.5		100	83	Good
RN-20-01	108.0	111.0	3.0	2.4		100	80	Good
RN-20-01	111.0	114.0	3.0	2.9		100	97	Excellent

*Rock Quality Designation Deere 1963*

*Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013*

RN-20-01	114.0	117.0	3.0	2.9		100	97	Excellent
RN-20-01	117.0	120.0	3.0	2.5		100	83	Good
RN-20-01	120.0	123.0	3.0	2.1		100	70	Fair
RN-20-01	123.0	126.0	3.0	2.9		100	97	Excellent
RN-20-01	126.0	129.0	3.0	2.8		100	93	Excellent
RN-20-01	129.0	132.0	3.0	2.9		100	97	Excellent
RN-20-01	132.0	135.0	3.0	3.0		100	100	Excellent
RN-20-01	135.0	138.0	3.0	3.0		100	100	Excellent
RN-20-01	138.0	141.0	3.0	2.9		100	97	Excellent
RN-20-01	141.0	144.0	3.0	3.0		100	100	Excellent
RN-20-01	144.0	147.0	2.9	3.0		97	100	Excellent
RN-20-01	147.0	150.0	3.0	2.8		100	93	Excellent
RN-20-01	150.0	153.0	3.0	3.0		100	100	Excellent
RN-20-01	153.0	156.0	3.0	2.9		100	97	Excellent
RN-20-01	156.0	159.0	2.9	2.9		97	97	Excellent
RN-20-01	159.0	162.0	2.9	2.8		97	93	Excellent
RN-20-01	162.0	165.0	2.8	2.9		93	97	Excellent
RN-20-01	165.0	168.0	3.0	3.0		100	100	Excellent
RN-20-01	168.0	171.0	3.0	3.0		100	100	Excellent
RN-20-01	171.0	174.0	3.0	2.8		100	93	Excellent
RN-20-01	174.0	177.0	3.0	2.9		100	97	Excellent
RN-20-01	177.0	178.5	1.5	1.5		100	100	Excellent

									Au-AA23		Standard
									Au		Accepted
BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	ppm		Value
RN-20-01	X948751	25.0	26.0	1.0		IVOLC		1	0.057		
RN-20-01	X948752	31.0	31.7	0.7		IVOLC		0.5	0.315		
RN-20-01	X948753	61.0	62.0	1.0		ALTZN	0.5	0.5	0.024		
RN-20-01	X948754	62.0	63.0	1.0		ALTZN	0.5	0.5	0.063		
RN-20-01	X948755	63.0	64.0	1.0		ALTZN	0.5	10	0.04		
RN-20-01	X948756			0.0	OREAS 219				0.762		0.76
RN-20-01	X948757	64.0	65.0	1.0		ALTZN	0.5	3	0.059		
RN-20-01	X948758	65.0	66.0	1.0		ALTZN	0.5	3	0.179		
RN-20-01	X948759			0.0	Blank				<0.005		0
RN-20-01	X948760	66.0	67.0	1.0		ALTZN	0.5	1	0.006		
RN-20-01	X948761	67.0	68.0	1.0		ALTZN	0.5	1	0.016		
RN-20-01	X948762	68.0	69.0	1.0		ALTZN	0.5	1	0.021		
RN-20-01	X948763	80.0	81.0	1.0		IVOLCtuf	1	20	0.594		
RN-20-01	X948764	105.0	106.0	1.0		ALTZN	1	0.5	0.025		
RN-20-01	X948765	106.0	107.0	1.0		ALTZN	1	2	0.135		
RN-20-01	X948766	107.0	108.0	1.0		ALTZN	1	2	0.031		
RN-20-01	X948767	108.0	109.0	1.0		ALTZN	1	0.5	0.049		
RN-20-01	X948768	109.0	110.0	1.0		ALTZN	1	3	0.105		
RN-20-01	X948769			0.0	Blank				<0.005		0
RN-20-01	X948770	110.0	111.0	1.0		ALTZN	3	15	0.167		
RN-20-01	X948771	111.0	112.0	1.0		ALTZN	3	5	0.149		
RN-20-01	X948772	112.0	113.0	1.0		ALTZN	3	10	2.26		
RN-20-01	X948773			0.0	OREAS 219				0.771		0.76
RN-20-01	X948774	113.0	114.0	1.0		ALTZN	3	10	1.035		
RN-20-01	X948775	114.0	115.0	1.0		ALTZN	3	3	0.024		
RN-20-01	X948776	115.0	116.0	1.0		ALTZN	3	1	0.044		
RN-20-01	X948777	116.0	117.0	1.0		ALTZN	3	2	0.259		
RN-20-01	X948778	117.0	118.0	1.0		ALTZN	3	0	0.041		
RN-20-01	X948779	126.1	127.0	0.9		ALTZN	3	3	1.06		
RN-20-01	X948780	127.0	128.0	1.0		ALTZN	3	3	0.213		
RN-20-01	X948781	128.0	129.0	1.0		ALTZN	3	3	0.099		

RN-20-01	X948782				Blank				<0.005		0
RN-20-01	X948783	129.0	130.0	1.0		ALTZN	3	5	1.68		
RN-20-01	X948784	130.0	131.0	1.0		ALTZN	3	5	0.635		
RN-20-01	X948785	131.0	132.0	1.0		ALTZN	3	25	3.15		
RN-20-01	X948786				OREAS 223				1.81		1.78
RN-20-01	X948787	132.0	133.0	1.0		ALTZN	3	50	0.374		
RN-20-01	X948788	133.0	134.0	1.0		ALTZN	3	25	0.211		
RN-20-01	X948789	134.0	135.0	1.0		ALTZN	3	0.5	0.107		
RN-20-01	X948790	140.0	141.0	1.0		ALTZN	1	1	0.011		
RN-20-01	X948791	141.0	142.0	1.0		ALTZN	1	2	0.005		
RN-20-01	X948792	142.0	143.0	1.0		ALTZN	1	3	0.129		
RN-20-01	X948793	143.0	144.0	1.0		ALTZN	1	2	0.103		
RN-20-01	X948794	144.0	145.0	1.0		ALTZN	1	2	0.008		
RN-20-01	X948795	145.0	146.0	1.0		ALTZN	1	1	0.018		
RN-20-01	X948796				Blank				0.005		0
RN-20-01	X948797	146.0	147.0	1.0		ALTZN	1	3	0.073		
RN-20-01	X948798	147.0	148.0	1.0		ALTZN	1	5	0.055		
RN-20-01	X948799	148.0	149.0	1.0		ALTZN	1	10	0.13		
RN-20-01	X948800				OREAS 219				0.762		0.76
RN-20-01	X948801	149.0	150.0	1.0		ALTZN	1	15	0.327		
RN-20-01	X948802	150.0	151.5	1.5		ALTZN	1	10	0.253		
RN-20-01	X948803	169.5	170.5	1.0		IVOLCtuf	0.5	50	0.319		

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-02</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365715	5303608	391	25	-65	276.00
<b>Purpose</b>	Undercut of RN-20-1, test south dip to the alteration/mineralized zones							
<b>Explanation</b>	Weak zones of alteration, geology more complex							
<b>Start date</b>	February 24, 2020							
<b>End date</b>	February 28, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	17.1 m casing left in ground	<b>Capping</b>	Metal Cap					
<b>Artesian Y/N</b>	Yes casing making water							
<b>Water Source</b>	Small pond 50 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 1, 2020, March 20, 2020 <b>Assays Added</b> March 25, 2020							
<b>Comments</b>	APS used to set drill off by 5 degrees.							
<b>Comments</b>	60 boxes of core							

**Comments**

Hole extended from 226.5 to 276 on March 19, 2020

BHID	Depth	Az	Declin (-09)	Dip	Mag Field	Mag Susc	Use Az	Use Dip	Comments
RN-20-02	0	25	25.0	-65.0			N	Y	As spotted in field. APS is incorrect
RN-20-02	24.0	41.9	32.9	-67.1	55488	0.10	Y	Y	
RN-20-02	51.0	41.9	32.9	-67.1	55210	0.11	Y	Y	
RN-20-02	99.0	42.2	33.2	-67.0	55496	0.14	Y	Y	
RN-20-02	150.0	42.7	33.7	-67.1	55111	0.30	Y	Y	
RN-20-02	201.0	43.4	34.4	-66.9	55134	0.12	Y	Y	
RN-20-02	250.0	43.2	34.2	-66.7	55572	0.26	Y	Y	

<b>BHID</b>	<b>From</b>	<b>To</b>	<b>Litho</b>	<b>Comment</b>
RN-20-02	0	17.10	CAS	CASING-Overburden
RN-20-02	17.10	24.20	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 1 cm angular. Clasts fine grained light color. Slightly lighter color increase sericite content. Distinct 1-3 mm feldspar clasts give a spotted appearance.  H 7 to hard to scratch occasional able to scratch.
RN-20-02	24.20	28.30	IVOLCarg	Intermediate Volcanic argillite - Darker green grey fine grained. Weakly foliated, rare scattered bands wispy lamination like features propable bedding. Beds/bands disrupted Gradational upper contact. H 6 able to scratch 27.6-28.3 50% white qtz vein 80 deg to CA
RN-20-02	28.30	71.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 6 cm angular. Clasts fine grained light color cherty fine argillite Minor acid fizz 56.0-57.2 Narrow interval of darker green fine bands/beds with 8mm lappili clast 10 mixed in. Gradational upper contact. 62.4 - 63.0 307 cm andgular grey lapilli fragments.
RN-20-02	71.00	74.50	ALTZN	Alteration Zone - weak wallrock alteration with 5-7% quartz veins. Veins well oriented along weak foliation Groundmass displays lapilli fragments. 61.4 m 10 cm local section with moderate foliation.
RN-20-02	74.50	81.70	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 1 cm angular. Clasts fine grained light color cherty fine argillite Minor acid fizz 77.3-79.4 Light buff bands/foliation. Sericitic at 05 deg to CA.
RN-20-02	81.70	86.10	ALTZN	Alteration Zone - weak wallrock alteration with 5-7% quartz veins. Veins well oriented along weak foliation Groundmass displays lapilli fragments.



RN-20-02	86.10	99.90	IVOLCtuf	<p>Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated.  Distinct lapilli sized clasts up to 1 cm angular.  Clasts fine grained light color cherty fine argillite  H 7  90.0-90.5 QV  91.0-91.3 QV</p> <p>rare wiely spaced 1 cm wide qtz vein.</p>
RN-20-02	99.90	116.50	ALTZN	<p>Alteration Zone - Green grey unaltered groundmass of Lapili tuff with 5-10% qtz veins  Weak to moderate foliation  5-10% qtz veins up to 10 cm wide. Py 1-3% fin grained and fine cubes.  Possible remnent lapilli tuff texture.</p>
RN-20-02	116.50	187.80	IVOLCamyg	<p>Intermediate Volcanic Amygdaloidal Flow f- Green grey with distinc 1-8mm rounded amygdules throughout. Light rim with darker core.  Weak foliation and rare scattered bands.  H 7  134.5-136.6 Narrow lapilli tuff interbed.  136.6 variolitic flow breccia.  162 -163 10% qtz veins brecciated  16.2-177.0 10 % qtz veins</p> <p>at 181.0 gradational finer grained lighter material, possible flow contact?</p> <p>186.5-187.8 Mod shear 15% qtz veins along foliation</p>
RN-20-02	187.80	196.50	IVOLCtuf	<p>Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated.  Distinct lapilli sized clasts up to 1 cm angular.  Clasts fine grained light color cherty fine argillite  H 7</p>
RN-20-02	196.50	202.60	ALTZN	<p>Alteration Zone - Green grey unaltered groundmass of Lapili tuff with 5-10% qtz veins  Weak to moderate foliation  10-15 % qtz veins up to 10 cm wide. Py 1-3% fin grained and fine cubes.  Possible remnent lapilli tuff texture.</p>
RN-20-02	202.60	212.20	IVOLCtuf	<p>Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated.</p>

				Distinct lapilli sized clasts up to 1 cm angular.
RN-20-02	212.20	215.60	ALTZN	Alteration Zone - Green grey unaltered groundmass of Lapili tuff with 5-10% qtz veins Weak to moderate foliation 5-10% qtz veins vein breccia. Py 1-3% fin grained and fine cubes. Possible remnent lapilli tuff texture.
RN-20-02	215.60	233.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 1 cm angular. 231 -231.5 3 1cm wide qtz veins cross cutting.
RN-20-02	233.00	244.90	IVOLCamyg	Intermediate Volcanics Amygdaloidal flow - Light to dark green. Upper contact sharp flow breccia. Local intervals with distinct white amygdules with dark grey cores. Local sections massive to flow breccia.
RN-20-02	244.90	246.80	LAMPDIKE	Lamprophyre Dike - Dark black fine to medium grained. Sharp contacts. 1-3% qtz carb veins
RN-20-02	246.80	250.00	IVOLCamyg	Intermediate Volcanics Amygdaloidal flow - Light to dark green. Upper contact sharp flow breccia. Local intervals with distinct white amygdules with dark grey cores. Local sections massive to flow breccia. Amygdules up to 8mm
RN-20-02	250.00	253.00	ALTZN	Alteration Zone - Green grey unaltered groundmass of Lapili tuff with 5-10% qtz veins Weak to moderate foliation
RN-20-02	253.00	262.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 1 cm angular.
RN-20-02	262.00	263.50	IVOLCarg	Intermediate Volcanic argillite - Fine grained green well banded/bedded.
RN-20-02	263.50	270.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 1 cm angular.
RN-20-02	270.00	272.00	ALTZN	Alteration Zone - Green grey unaltered groundmass of Lapili tuff with 5-10% qtz veins Weak to moderate foliation
RN-20-02	272.00	276.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 1 cm angular.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygdaloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

Terraplus KT-5 Magnetic Susceptibility Meter

BHID	Depth	MS	Lith
RN-20-02	18.0	0.14	IVOLCtuf
RN-20-02	MS-2	0.00	
RN-20-02	22.0	0.10	IVOLCtuf
RN-20-02	26.5	0.17	IVOLC
RN-20-02	29.0	0.24	IVOLCtuf
RN-20-02	32.0	0.14	IVOLCtuf
RN-20-02	36.2	0.15	IVOLCtuf
RN-20-02	39.0	0.11	IVOLCtuf
RN-20-02	43.0	0.14	IVOLCtuf
RN-20-02	46.0	0.12	IVOLCtuf
RN-20-02	MS-1	75.10	
RN-20-02	51.0	0.11	IVOLCtuf
RN-20-02	55.0	0.02	IVOLCtuf
RN-20-02	58.0	0.09	IVOLCtuf
RN-20-02	60.0	0.12	IVOLCtuf
RN-20-02	63.0	0.11	IVOLCtuf
RN-20-02	67.0	0.17	IVOLCtuf
RN-20-02	73.0	0.16	ALTZN
RN-20-02	75.0	0.14	ALTZN
RN-20-02	MS-3	1.09	
RN-20-02	83.0	0.13	ALTZN
RN-20-02	87.0	0.15	IVOLCtuf
RN-20-02	92.0	0.12	IVOLCtuf
RN-20-02	96.0	0.14	IVOLCtuf
RN-20-02	100.0	0.11	ALTZN
RN-20-02	108.0	0.00	ALTZN
RN-20-02	114.0	0.24	ALTZN
RN-20-02	120.0	0.24	IVOLCamyg
RN-20-02	123.0	0.18	IVOLCamyg
RN-20-02	MS-4	24.40	IVOLCamyg
RN-20-02	126.0	0.31	IVOLCamyg
RN-20-02	128.0	0.37	IVOLCamyg
RN-20-02	130.5	0.17	IVOLCamyg
RN-20-02	133.0	0.56	IVOLCamyg
RN-20-02	137.0	0.10	IVOLCamyg
RN-20-02	140.0	0.25	IVOLCamyg
RN-20-02	145.0	0.24	IVOLCamyg
RN-20-02	149.0	0.30	IVOLCamyg
RN-20-02	152.0	0.40	IVOLCamyg
RN-20-02	MS-3	1.12	
RN-20-02	154.0	0.45	IVOLCamyg
RN-20-02	156.5	0.27	IVOLCamyg
RN-20-02	159.5	0.39	IVOLCamyg
RN-20-02	163.0	0.27	IVOLCamyg
RN-20-02	168.0	0.46	IVOLCamyg
RN-20-02	171.0	0.29	IVOLCamyg

RN-20-02	MS-1	77.10	
RN-20-02	175.0	0.23	IVOLCamyg
RN-20-02	181.0	0.39	IVOLCamyg
RN-20-02	185.0	0.18	IVOLCamyg
RN-20-02	188.2	0.13	IVOLCtuf
RN-20-02	190.0	0.13	IVOLCtuf
RN-20-02	194.0	0.15	IVOLCtuf
RN-20-02	198.0	0.20	IVOLCtuf
RN-20-02	204.0	0.12	IVOLCtuf
RN-20-02	MS-2	0.06	
RN-20-02	208.5	0.15	IVOLCtuf
RN-20-02	211.0	0.22	IVOLCtuf
RN-20-02	214.0	0.07	IVOLCtuf
RN-20-02	217.0	0.16	IVOLCtuf
RN-20-02	222.0	0.21	IVOLCtuf
RN-20-02	225.0	0.15	IVOLCtuf
RN-20-02	226.5	0.12	IVOLCtuf
RN-20-02	MS-3	1.14	
RN-20-02	230.0	0.11	IVOLCtuf
RN-20-02	235.0	0.14	IVOLCamyg
RN-20-02	239.0	0.34	IVOLCamyg
RN-20-02	242.0	0.33	IVOLCamyg
RN-20-02	245.6	0.65	LAMPDIKE
RN-20-02	245.9	1.16	LAMPDIKE
RN-20-02	249.0	0.26	IVOLCamyg
RN-20-02	255.0	0.12	ALTZN
RN-20-02	258.0	0.13	IVOLCtuf
RN-20-02	267.0	0.18	IVOLCtuf
RN-20-02	276.0	0.14	IVOLCtuf

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG
RN-20-02	Feb 26,2020	Weight	115.00	115.18	115.17	115.18				
RN-20-02	Feb 26,2020	SG-1	Jasper	366.88	366.88	366.88	232.03	232.05	232.04	2.72
RN-20-02	Feb 26,2020	29.50	IVOLC	368.45	368.44	368.45	232.97	232.96	232.97	2.72
RN-20-02	Feb 26,2020	63.00	IVOLC	399.49	399.57	399.53	252.45	252.44	252.45	2.72
RN-20-02	Feb 29,2020	88.00	IVOLC	356.14	356.13	356.14	224.01	223.99	224.00	2.70
RN-20-02	Feb 29,2020	109.80	ALTZN	215.35	215.35	215.35	135.32	135.31	135.32	2.69
RN-20-02	Feb 29,2020	126.80	IVOLCvar	508.01	508.01	508.01	321.41	321.3	321.36	2.72
RN-20-02	Feb 29,2020	141.10	IVOLCvar	290.26	290.25	290.26	183.66	183.65	183.66	2.72
RN-20-02	Feb 29,2020	160.00	IVOLCvar	452.16	452.15	452.16	288.93	288.89	288.91	2.77
RN-20-02	March 1,2020	Weight	3.00	3.00	3.00	3.00				
RN-20-02	March 1,2020	SG-3	MasSulph	80.28	80.27	80.28	62.88	62.85	62.87	4.61
RN-20-02	March 1,2020	183.00	IVOLCvar	305.84	305.83	305.84	195.27	195.31	195.29	2.77
RN-20-02	March 1,2020	205.50	IVOLC	516.40	516.40	516.40	325.82	325.81	325.82	2.71

Mag Susc Ohaus Scout SIX 1502N/E Balance

Terraplus KT-5 Magnetic Susceptibility Meter

			Oriented Core							
BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment
RN-20-02	22	40				Weak				Alignment lap frags
RN-20-02	24.50		35	350			Fine grained bands argillite			
RN-20-02	28.00	80						20 QV		
RN-20-02	29.20	40				Weak				Foliation of Lapilli Clasts up 5 cm size
RN-20-02	63.10	40				Weak				Foliation of Lapilli Clasts
RN-20-02	68.60		45	335				1 cm wide		Sharp veins
RN-20-02	72.00		40	345				1 cm wide		along foliation
RN-20-02	72.50		40	332				1 cm wide		along foliation
RN-20-02	73.80		35	340				10 cm wide		along foliation
RN-20-02	80.00	44				Weak		qtz carb stringer		
RN-20-02	82.00	15						Qtz vein breccia		
RN-20-02	82.90	40				Weak				
RN-20-02	102.50	45				Mod				
RN-20-02	103.00	80						15cm wide		
RN-20-02	103.20	40				Mod				
RN-20-02	109.50	50				Mod				
RN-20-02	113.00	40						3cm		
RN-20-02	127.50	30						2cm		
RN-20-02	147.50	20								Variaole flow
RN-20-02	159.00	35				Weak				
RN-20-02	171.00	40				Weak				
RN-20-02	174.00	35				Weak	Bands			
RN-20-02	177.00	40				Weak		3mm qtz stringers along foliation		
RN-20-02	187.00	40				Mod				
RN-20-02	187.60		30	340		Mod				
RN-20-02	191.00		25	320		Mod				
RN-20-02	197.00		30	315				10cm vein along foliation		
RN-20-02	207.00	30				Weak				
RN-20-02	223.00	35				Weak				
RN-20-02	233.00		25	330	Sharp					
RN-20-02	244.90	15			Sharp					
RN-20-02	251.50	80						1 cm		

RN-20-02	251.40	65						10 cm		
RN-20-02	258.00		20	320	Sharp					



BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-02	0.0	17.1	CAS					
RN-20-02	17.1	18.0	0.9	0.7		30	23	Very Poor
RN-20-02	18.0	21.0	3.0	2.9		100	97	Excellent
RN-20-02	21.0	24.0	3.0	2.9		100	97	Excellent
RN-20-02	24.0	27.0	3.0	2.4		100	80	Good
RN-20-02	27.0	30.0	3.0	2.8		100	93	Excellent
RN-20-02	30.0	33.0	3.0	2.7		100	90	Excellent
RN-20-02	33.0	36.0	3.0	2.7		100	90	Excellent
RN-20-02	36.0	39.0	3.0	3.0		100	100	Excellent
RN-20-02	39.0	42.0	3.0	3.0		100	100	Excellent
RN-20-02	42.0	45.0	3.0	2.8		100	93	Excellent
RN-20-02	45.0	48.0	3.0	3.0		100	100	Excellent
RN-20-02	48.0	51.0	3.0	2.9		100	97	Excellent
RN-20-02	51.0	54.0	3.0	2.9		100	97	Excellent
RN-20-02	54.0	57.0	3.0	2.9		100	97	Excellent
RN-20-02	57.0	60.0	3.0	2.7		100	90	Excellent
RN-20-02	60.0	63.0	3.0	2.8		100	93	Excellent
RN-20-02	63.0	66.0	3.0	2.9		100	97	Excellent
RN-20-02	66.0	69.0	3.0	3.0		100	100	Excellent
RN-20-02	69.0	72.0	3.0	2.0		100	67	Fair
RN-20-02	72.0	75.0	3.0	2.9		100	97	Excellent
RN-20-02	75.0	78.0	3.0	3.0		100	100	Excellent
RN-20-02	78.0	81.0	3.0	2.8		100	93	Excellent
RN-20-02	81.0	84.0	3.0	2.3		100	77	Good
RN-20-02	84.0	87.0	3.0	2.8		100	93	Excellent
RN-20-02	87.0	90.0	3.0	2.6		100	87	Good
RN-20-02	90.0	93.0	3.0	2.7		100	90	Excellent
RN-20-02	93.0	96.0	3.0	2.6		100	87	Good
RN-20-02	96.0	99.0	3.0	2.7		100	90	Excellent
RN-20-02	99.0	102.0	3.0	2.9		100	97	Excellent
RN-20-02	102.0	105.0	3.0	1.9		100	63	Fair
RN-20-02	105.0	108.0	3.0	1.7		100	57	Fair
RN-20-02	108.0	111.0	3.0	2.4		100	80	Good

*Rock Quality Designation Deere 1963*

*Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013*

RN-20-02	111.0	114.0	3.0	2.6		100	87	Good
RN-20-02	114.0	117.0	3.0	2.9		100	97	Excellent
RN-20-02	117.0	120.0	3.0	2.8		100	93	Excellent
RN-20-02	120.0	123.0	3.0	2.4		100	80	Good
RN-20-02	123.0	126.0	3.0	2.8		100	93	Excellent
RN-20-02	126.0	129.0	3.0	2.7		100	90	Excellent
RN-20-02	129.0	132.0	3.0	2.8		100	93	Excellent
RN-20-02	132.0	135.0	3.0	3.0		100	100	Excellent
RN-20-02	135.0	138.0	3.0	3.0		100	100	Excellent
RN-20-02	138.0	141.0	3.0	3.0		100	100	Excellent
RN-20-02	141.0	144.0	3.0	2.8		100	93	Excellent
RN-20-02	144.0	147.0	3.0	2.7		100	90	Excellent
RN-20-02	147.0	150.0	3.0	3.0		100	100	Excellent
RN-20-02	150.0	153.0	3.0	2.9		100	97	Excellent
RN-20-02	153.0	156.0	3.0	2.9		100	97	Excellent
RN-20-02	156.0	159.0	3.0	2.9		100	97	Excellent
RN-20-02	159.0	162.0	3.0	2.9		100	97	Excellent
RN-20-02	162.0	165.0	3.0	2.8		100	93	Excellent
RN-20-02	165.0	168.0	3.0	2.7		100	90	Excellent
RN-20-02	168.0	171.0	3.0	2.6		100	87	Good
RN-20-02	171.0	174.0	3.0	2.9		100	97	Excellent
RN-20-02	174.0	177.0	3.0	2.8		100	93	Excellent
RN-20-02	177.0	180.0	3.0	2.5		100	83	Good
RN-20-02	180.0	183.0	3.0	2.8		100	93	Excellent
RN-20-02	183.0	186.0	3.0	2.7		100	90	Excellent
RN-20-02	186.0	189.0	3.0	2.7		100	90	Excellent
RN-20-02	189.0	192.0	3.0	2.8		100	93	Excellent
RN-20-02	192.0	195.0	3.0	3.0		100	100	Excellent
RN-20-02	195.0	198.0	3.0	3.0		100	100	Excellent
RN-20-02	198.0	201.0	3.0	2.8		100	93	Excellent
RN-20-02	201.0	204.0	3.0	2.9		100	97	Excellent
RN-20-02	204.0	207.0	3.0	3.0		100	100	Excellent
RN-20-02	207.0	210.0	3.0	2.8		100	93	Excellent
RN-20-02	210.0	213.0	3.0	2.8		100	93	Excellent

RN-20-02	213.0	216.0	3.0	3.0		100	100	Excellent
RN-20-02	216.0	219.0	3.0	2.8		100	93	Excellent
RN-20-02	219.0	222.0	3.0	2.9		100	97	Excellent
RN-20-02	222.0	225.0	3.0	3.0		100	100	Excellent
RN-20-02	225.0	226.5	1.5	1.5		50	100	Excellent
RN-20-02	226.5	228.0	1.5	1.5		50	100	Excellent
RN-20-02	228.0	231.0	3.0	2.9		100	97	Excellent
RN-20-02	231.0	234.0	3.0	3.0		100	100	Excellent
RN-20-02	234.0	237.0	3.0	3.0		100	100	Excellent
RN-20-02	237.0	240.0	3.0	2.9		100	97	Excellent
RN-20-02	240.0	243.0	3.0	2.7		100	90	Excellent
RN-20-02	243.0	246.0	3.0	2.7		100	90	Excellent
RN-20-02	246.0	249.0	3.0	2.9		100	97	Excellent
RN-20-02	249.0	252.0	3.0	2.8		100	93	Excellent
RN-20-02	252.0	255.0	3.0	2.8		100	93	Excellent
RN-20-02	255.0	258.0	3.0	2.9		100	97	Excellent
RN-20-02	258.0	261.0	3.0	2.8		100	93	Excellent
RN-20-02	261.0	264.0	3.0	2.7		100	90	Excellent
RN-20-02	264.0	267.0	3.0	2.8		100	93	Excellent
RN-20-02	267.0	270.0	3.0	2.8		100	93	Excellent
RN-20-02	270.0	273.0	3.0	2.7		100	90	Excellent
RN-20-02	273.0	276.0	3.0	3.0		100	100	Excellent

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Au-AA23 Au ppm
RN-20-02	X948804	27.6	28.3	0.7		IVOLC		50	0.544
RN-20-02	X948805	70.0	71.0	1.0		IVOLCtuf		1	<0.005
RN-20-02	X948806	71.0	72.0	1.0		ALTZN		3	0.01
RN-20-02	X948807	72.0	73.0	1.0		ALTZN		5	0.082
RN-20-02	X948808	73.0	74.5	1.5		ALTZN		10	0.327
RN-20-02	X948809	74.5	75.5	1.0		IVOLCtuf			0.031
RN-20-02	X948810	75.5	76.5	1.0		IVOLCtuf			0.025
RN-20-02	X948811	76.5	77.5	1.0		IVOLCtuf			0.021
RN-20-02	X948812				Blank				<0.005
RN-20-02	X948813	77.5	79.0	1.5		IVOLCtuf			2.25
RN-20-02	X948814	79.0	80.0	1.0		IVOLCtuf			0.014
RN-20-02	X948815	80.0	81.0	1.0		IVOLCtuf			0.04
RN-20-02	X948816	81.0	81.7	0.7		IVOLCtuf			1.015
RN-20-02	X948817	81.7	83.0	1.3		ALTZN		3	0.44
RN-20-02	X948818				OREAS 219				0.756
RN-20-02	X948819	83.0	84.0	1.0		ALTZN		3	0.121
RN-20-02	X948820	84.0	85.0	1.0		ALTZN		3	0.402
RN-20-02	X948821	85.0	86.0	1.0		ALTZN		5	0.158
RN-20-02	X948822				Blank				<0.005
RN-20-02	X948823	86.0	87.0	1.0		IVOLCtuf			0.02
RN-20-02	X948824	87.0	88.0	1.0		IVOLCtuf			<0.005
RN-20-02	X948825	88.0	89.0	1.0		IVOLCtuf			<0.005
RN-20-02	X948826	89.0	90.0	1.0		IVOLCtuf			0.012
RN-20-02	X948827	90.0	90.8	0.8		IVOLCtuf		50	0.074
RN-20-02	X948828	90.8	91.3	0.5		IVOLCtuf		10	0.093
RN-20-02	X948829	91.3	92.0	0.7		IVOLCtuf			0.041
RN-20-02	X948830	99.0	99.9	0.9		IVOLCtuf			0.008
RN-20-02	X948831	99.9	101.0	1.1		ALTZN			0.061
RN-20-02	X948832	101.0	102.0	1.0		ALTZN			0.036
RN-20-02	X948833	102.0	103.0	1.0		ALTZN		3	0.237
RN-20-02	X948834	103.0	104.0	1.0		ALTZN		2	1.845
RN-20-02	X948835	104.0	105.0	1.0		ALTZN		2	1.015
RN-20-02	X948836	105.0	106.0	1.0		ALTZN		15	8.31
RN-20-02	X948837	106.0	107.0	1.0		ALTZN		5	0.115
RN-20-02	X948838	107.0	108.0	1.0		ALTZN		3	0.008
RN-20-02	X948839	108.0	109.0	1.0		ALTZN		15	4.24
RN-20-02	X948840	109.0	110.0	1.0		ALTZN		10	0.581
RN-20-02	X948841	110.0	111.0	1.0		ALTZN		3	0.456
RN-20-02	X948842				OREAS 219				0.759
RN-20-02	X948843	111.0	112.0	1.0		ALTZN			0.246
RN-20-02	X948844	112.0	113.0	1.0		ALTZN			0.452
RN-20-02	X948845	113.0	114.0	1.0		ALTZN		1	0.34
RN-20-02	X948846	114.0	115.0	1.0		ALTZN		2	0.251
RN-20-02	X948847	115.0	116.0	1.0		ALTZN		3	0.027
RN-20-02	X948848	116.0	116.5	0.5		ALTZN		2	0.031

RN-20-02	X948849	162.0	163.0	1.0		IVOLCamyg		10	0.427
RN-20-02	X948850	176.2	177.0	0.8		IVOLCamyg		10	0.192
RN-20-02	X948851	186.5	187.8	1.3		IVOLCamyg		3	0.939
RN-20-02	X948852	196.5	197.5	1.0		ALTZN		3	0.213
RN-20-02	X948853	197.5	198.5	1.0		ALTZN		10	0.038
RN-20-02	X948854	198.5	199.5	1.0		ALTZN		3	0.013
RN-20-02	X948855				OREAS 228				8.88
RN-20-02	X948856	199.5	200.5	1.0		ALTZN		3	0.07
RN-20-02	X948857	200.5	201.5	1.0		ALTZN		25	1.18
RN-20-02	X948858				Blank				<0.005
RN-20-02	X948859	201.5	202.6	1.1		ALTZN			0.086
RN-20-02	X948860	212.0	213.0	1.0		ALTZN			0.042
RN-20-02	X948861	213.0	214.0	1.0		ALTZN		1	0.047
RN-20-02	X948862	214.0	215.0	1.0		ALTZN		25	0.207
RN-20-02	X948863	215.0	216.0	1.0		ALTZN		5	0.072
RN-20-02	X948864	216.0	217.0	1.0		IVOLCtuf		2	0.063
RN-20-02	W934451	229.0	230.0	1.0		IVOLCtuf		2	0.009
RN-20-02	W934452	230.0	231.0	1.0		IVOLCtuf		1	<0.005
RN-20-02	W934453	231.0	232.0	1.0		IVOLCtuf		2	<0.005
RN-20-02	W934454	232.0	233.0	1.0		IVOLCtuf			<0.005
RN-20-02	W934455	244.9	246.0	1.1		LAMPDIKE			0.119
RN-20-02	W934456	246.0	246.8	0.8		LAMPDIKE		1	<0.005
RN-20-02	W934457	246.8	248.0	1.2		IVOLCamyg		1	<0.005
RN-20-02	W934458	248.0	249.0	1.0		IVOLCamyg		1	0.017
RN-20-02	W934459	249.0	250.0	1.0		IVOLCamyg		1	0.18
RN-20-02	W934460	250.0	251.0	1.0		ALTZN		5	0.515
RN-20-02	W934461				Blank				<0.005
RN-20-02	W934462	251.0	252.0	1.0		ALTZN		15	0.298
RN-20-02	W934463	252.0	253.0	1.0		ALTZN		1	0.005
RN-20-02	W934464	269.0	270.0	1.0		IVOLCtuf		1	0.045
RN-20-02	W934465				OREAS 219				0.771
RN-20-02	W934466	270.0	271.0	1.0		ALTZN		5	0.393
RN-20-02	W934467	271.0	272.0	1.0		ALTZN		10	0.964
RN-20-02	W934468	272.0	273.0	1.0		IVOLCtuf		1	0.025

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-03</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365789	5303516	391	25	-45	291.00
<b>Purpose</b>	Test south dip to the alteration/mineralized zones							
<b>Explanation</b>	Several intervals of good quartz veining intersected							
<b>Start date</b>	February 29, 2020							
<b>End date</b>	March 4, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	24.3 m casing left in ground	<b>Capping</b>	Metal Cap					
<b>Artesian Y/N</b>	No							
<b>Water Source</b>	Small pond 50 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 05, 2020	<b>Assays Added</b>	March 25, 2020					
<b>Comments</b>	APS used to set drill							
<b>Comments</b>	Hole planned further north in bog, ground not stable hole moved south							

**Comments**

62 Boxes Core

<b>BHID</b>	<b>Depth</b>	<b>Az</b>	<b>Declin (-09)</b>	<b>Dip</b>	<b>Mag Field</b>	<b>Mag Susc</b>	<b>Use Az</b>	<b>Use Dip</b>	<b>Comments</b>
RN-20-03	0	25	25.0	-45.0			Y	Y	As spotted in field.
RN-20-03	30.0	33.9	24.9	-47.3	55544	0.05	Y	Y	
RN-20-03	50.0	35.1	26.1	-47.1	55012	0.24	Y	Y	
RN-20-03	102.0	35.8	26.8	-46.5	55219	0.12	Y	Y	
RN-20-03	150.0	37.4	28.4	-46.5	55190	0.05	Y	Y	
RN-20-03	200.0	37.9	28.9	-45.9	55300	0.16	Y	Y	
RN-20-03	252.0	38.9	29.9	-45.1	55157	0.09	Y	Y	
RN-20-03	291.0	39.5	30.5	-44.2	55171	0.15	Y	Y	



BHID	From	To	Litho	Comment
RN-20-03		0	24.30 CAS	CASING-Overburden
RN-20-03	24.30	42.20	IVOLCfol	Intermediate Volcanic foliated - Light green intermediate volcanic with strong foliation. Distinct lapilli sized clasts up to 1 cm angular rare. Distinct 1mm hairline sericite carb stringers define strong foliation fabric. Acid carb fizz. H-5 readily scratched Broken blocky throughout
RN-20-03	42.20	46.20	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds Hard but can be scratched, not chert. Moderate carb fizz
RN-20-03	46.20	55.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 6 cm angular. Broken Blocky core throughout. 52.4-52.7 BBC
RN-20-03	55.50	57.00	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds Hard but can be scratched, not chert. Moderate carb fizz
RN-20-03	57.00	63.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 3 cm angular slightly flattened.
RN-20-03	63.00	71.50	ALTZN	Alteration Zone - Light green fine weakly foliated. Weak sericite and carbonate acid fizz. 1% qtz veins Weak alteration tr py
RN-20-03	71.50	81.30	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 3 cm angular slightly flattened. 77.0-78.0 distinct light colored argillite bed.
RN-20-03	81.30	89.40	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds Hard but can be scratched, not chert. Gradational upper contact
RN-20-03	89.40	95.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 3 cm angular slightly flattened.
RN-20-03	95.00	100.70	IVOLCamyg	Intermediate Volcanic Amygdaloidal Flow - Light green grey, intermediate not mafic in color. Distinct amygdules up to 8mm rounded, with light white rims and darker grey cores. Weak foliation Upper contact finer chilled over 1-2m
RN-20-03	100.70	123.30	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds Hard but can be scratched, not chert. Gradational upper contact
RN-20-03	123.30	129.50	IVOLCamyg	Intermediate Volcanic Amygdaloidal Flow - Light green grey, intermediate not mafic in color. Distinct amygdules up to 8mm rounded, with light white rims and darker grey cores. Weak foliation, amygdules slight flattening
RN-20-03	129.50	136.80	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds

				Hard but can be scratched, not chert.
RN-20-03	136.80	143.80	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 3 cm angular slightly flattened.
RN-20-03	143.80	148.00	ALTZN	Alteration Zone - Light green fine weakly foliated. Weak sericite and carbonate acid fizz. 1% qtz veins 5-10% white to grey quartz veins with 3-5% py brown py and light yellow py. Veins are brecciated closer to 90 deg to ca crosscutting very weak foliation
RN-20-03	148.00	156.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to .5 cm angular slightly flattened.
RN-20-03	156.50	177.80	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds
RN-20-03	177.80	185.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 2 cm angular slightly flattened. Sharp upper contact
RN-20-03	185.00	192.70	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. H 6 readily scratched
RN-20-03	192.70	197.20	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 2 cm angular slightly flattened. Sharp upper contact
RN-20-03	197.20	215.60	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. H 6 readily scratched Rare scattered carb fizz.
RN-20-03	215.60	266.00	ALTZN	Alteration Zone - Weakly altered Lapilli Tuff, key feature is widespread qtz veins. 3-5% throughout the section locally up to 25%. Unit is silicified, Hard > 7. Veins are 2 cm to 25 cm white and mottled grey with 1% fine py. Veins parallel and crosscutting, have a stockwork look?  220.0-223.2 5-10% qtz veins tr -1 % py fine cubes and brown Po 238.5-245.6 20% qtz veins tr-1% py cubes and rare po  251.0-258.0 25% qtz veins mottled grey 1-2% py cubes and rare po Veins are oblique slightly off foliation  255.4 Fault gouge soft
RN-20-03	266.00	270.50	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. H 6 readily scratched Sharp upper contact
RN-20-03	270.50	271.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 4mm angular slightly flattened. Sharp upper contact
RN-20-03	271.60	277.00	ALTZN	Alteration Zone - Weakly altered Lapilli Tuff, key feature is widespread qtz veins. 3-5% throughout the section . Veins are white cross cutting and along foliation.
RN-20-03	277.00	291.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 4mm angular slightly flattened. Sharp upper contact H>7 288.0-288.9 Grey mottled qtz vein

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygdaloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

BHID	Depth	MS	Lith
RN-20-03	MS-2	0.07	
RN-20-03	26.0	0.07	IVOLCfol
RN-20-03	30.0	0.05	IVOLCfol
RN-20-03	33.0	0.07	IVOLCfol
RN-20-03	37.0	0.04	IVOLCfol
RN-20-03	41.0	0.06	IVOLCfol
RN-20-03	44.0	0.04	IVOLCarg
RN-20-03	48.0	0.25	IVOLCtuf
RN-20-03	MS-2	0.04	
RN-20-03	51.0	0.24	IVOLCtuf
RN-20-03	56.0	0.16	IVOLCarg
RN-20-03	59.0	0.16	IVOLCtuf
RN-20-03	62.0	0.28	IVOLCtuf
RN-20-03	69.0	0.11	ALTZN
RN-20-03	72.5	0.17	IVOLCtuf
RN-20-03	75.0	0.16	IVOLCtuf
RN-20-03	78.0	0.10	IVOLCtuf
RN-20-03	MS-3	1.12	
RN-20-03	80.0	0.26	IVOLCtuf
RN-20-03	81.0	0.33	IVOLCtuf
RN-20-03	84.0	0.19	IVOLCarg
RN-20-03	88.0	0.23	IVOLCarg
RN-20-03	90.0	0.29	IVOLCtuf
RN-20-03	95.0	0.14	IVOLCamyg
RN-20-03	99.0	0.12	IVOLCamyg
RN-20-03	103.0	0.18	IVOLCamyg
RN-20-03	108.0	0.10	IVOLCarg
RN-20-03	MS-02	0.02	
RN-20-03	112.0	0.10	IVOLCarg
RN-20-03	115.0	0.20	IVOLCarg
RN-20-03	118.0	0.23	IVOLCarg
RN-20-03	120.5	0.22	IVOLCarg
RN-20-03	123.5	0.23	IVOLCamyg
RN-20-03	125.0	0.28	IVOLCamyg
RN-20-03	126.0	0.36	IVOLCamyg
RN-20-03	126.5	0.50	IVOLCamyg
RN-20-03	128.0	0.58	IVOLCamyg
RN-20-03	129.5	0.52	IVOLCamyg
RN-20-03	130.5	0.19	IVOLCarg
RN-20-03	MS-1	77.60	
RN-20-03	132.5	0.32	IVOLCarg
RN-20-03	135.0	0.22	IVOLCarg
RN-20-03	138.0	0.11	IVOLCtuf
RN-20-03	142.0	0.16	IVOLCtuf
RN-20-03	144.0	0.17	ALTZN
RN-20-03	147.0	0.15	ALTZN

RN-20-03	150.0	0.09	IVOLCtuf
RN-20-03	153.0	0.03	IVOLCtuf
RN-20-03	156.0	0.15	IVOLCtuf
RN-20-03	160.0	0.14	IVOLCarg
RN-20-03	MS-3	1.13	
RN-20-03	163.0	0.13	IVOLCarg
RN-20-03	167.0	0.10	IVOLCarg
RN-20-03	173.0	0.09	IVOLCtuf
RN-20-03	177.0	0.11	IVOLCtuf
RN-20-03	183.0	0.13	IVOLCtuf
RN-20-03	189.0	0.05	IVOLCarg
RN-20-03	195.0	0.11	IVOLCtuf
RN-20-03	198.0	0.08	IVOLCarg
RN-20-03	MS-4	24.00	
RN-20-03	204.0	0.13	IVOLCarg
RN-20-03	208.0	0.08	IVOLCarg
RN-20-03	215.0	0.09	IVOLCarg
RN-20-03	219.0	0.09	ALTZN
RN-20-03	222.0	0.06	ALTZN
RN-20-03	225.0	0.12	ALTZN
RN-20-03	228.0	0.10	ALTZN
RN-20-03	232.0	0.07	ALTZN
RN-20-03	MS-3	1.09	
RN-20-03	235.0	0.10	ALTZN
RN-20-03	238.0	0.09	ALTZN
RN-20-03	240.0	0.03	ALTZN
RN-20-03	242.5	0.06	ALTZN
RN-20-03	246.0	0.09	ALTZN
RN-20-03	249.0	0.08	ALTZN
RN-20-03	252.0	0.09	ALTZN
RN-20-03	255.0	0.01	ALTZN
RN-20-03	256.0	0.05	ALTZN
RN-20-03	258.0	0.00	ALTZN
RN-20-03	260.5	0.15	ALTZN
RN-20-03	MS-1	71.60	
RN-20-03	270.0	0.14	IVOLCarg
RN-20-03	277.0	0.09	ALTZN
RN-20-03	282.0	0.15	IVOLCtuf
RN-20-03	287.0	0.20	IVOLCtuf
RN-20-03	289.0	0.15	IVOLCtuf

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG	Mag Susc
RN-20-03	March 2 ,2020	Weight	72.00	72.09	72.1	72.10					
RN-20-03	March 2 ,2020	SG-2	Tuff	631.25	631.26	631.26	429.21	429.26	429.24	3.12	
RN-20-03	March 2 ,2020	36.00	IVOLCfol	340.91	340.91	340.91	214.94	214.96	214.95	2.71	0.04
RN-20-03	March 2 ,2020	59.50	IVOLCtuf	421.45	421.42	421.44	269.49	269.52	269.51	2.77	0.16
RN-20-03	March 2 ,2020	65.00	ALTZN	247.05	247.07	247.06	157.66	157.68	157.67	2.76	0.21
RN-20-03	March 2 ,2020	98.80	IVOLCamyg	287.07	287.08	287.08	183.33	183.29	183.31	2.77	0.12
RN-20-03	March 2 ,2020	114.00	IVOLCarg	299.08	299.08	299.08	189.28	189.28	189.28	2.72	0.20
RN-20-03	March 2 ,2020	125.00	IVOLCamyg	593.95	593.96	593.96	376.16	376.17	376.17	2.73	0.28
RN-20-03	March 3, 2020	152.50	IVOLCtuf	372.32	372.31	372.32	233.99	233.95	233.97	2.69	0.03
RN-20-03	March 4, 2020	Weight	0.80	0.81	0.80	0.81					
RN-20-03	March 4, 2020	SG-4	Glass	273.68	273.67	273.68	163.71	163.70	163.71	2.49	
RN-20-03	March 4, 2020	208.00	IVOLCarg	367.19	367.18	367.19	232.85	232.85	232.85	2.73	0.08
RN-20-03	March 4, 2020	230.50	ALTZN	308.96	308.95	308.96	194.59	194.58	194.59	2.70	0.07
RN-20-03	March 4, 2020	240.00	QtzVn	215.51	215.51	215.51	134.67	134.66	134.67	2.67	0.03
RN-20-03	March 4, 2020	249.00	ALTZN	293.38	293.38	293.38	184.51	184.50	184.51	2.69	0.08
RN-20-03	March 4, 2020	255.00	QtzVn	219.60	219.60	219.60	137.39	137.37	137.38	2.67	0.01
RN-20-03	March 5, 2020	282.00	IVOLCtuf	365.71	365.7	365.71	230.07	230.09	230.08	2.70	0.15

Ohaus Scout SIX 1502N/E Balance

Terraplus KT-5 Magnetic Susceptibility Meter

			Oriented Core							
BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment
RN-20-03	27	35				Strong				
RN-20-03	36.00	35				Strong				
RN-20-03	40.00	30				Strong				
RN-20-03	44.00	35					Bedding Argillite			
RN-20-03	49.00	25					Lapili clasts aligned			
RN-20-03	56.00	30					Beds/bands			
RN-20-03	62.00	40				Weak				
RN-20-03	64.00	50						10 cm		
RN-20-03	73.00	30					Lapilli tuff beds			
RN-20-03	75.00	35					Lapilli tuff beds			
RN-20-03	78.00	35			Sharp					
RN-20-03	85.20		40	10			Argillite bed			
RN-20-03	89.50		35	340	Sharp		Argillite bed			
RN-20-03	110.00	25				Weak				
RN-20-03	115.50	25					Weak bed/banding			
RN-20-03	120.00	30					Argillite bed			
RN-20-03	125.00	35				Mod				
RN-20-03	132.30		30	345			Argillite bed			
RN-20-03	154.50	40								
RN-20-03	157.00	20								
RN-20-03	160.00	30					Argillite bed			
RN-20-03	170.50	30					Argillite bed			
RN-20-03	177.80	40			Sharp					
RN-20-03	189.30	35					Tuff Arg beds			
RN-20-03	195.00	35				Weak				
RN-20-03	205.00		30	330			Argillite bed			
RN-20-03	209.00	25					Argillite bed			
RN-20-03	220.50	45				Weak				
RN-20-03	221.40		45	300				10 cm vein		
RN-20-03	224.80		65	275				3 cm vein		
RN-20-03	228.00	50				Moderate				
RN-20-03	235.20		35	310		Moderate				

RN-20-03	239.50		50	325				5 cm		
RN-20-03	240.30		35	340				10 cm		
RN-20-03	241.60		40	335				5 cm		
RN-20-03	244.40		45	320				5 cm		
RN-20-03	247.10		45	345		Moderate				
RN-20-03	248.50		45	335		Moderate				
RN-20-03	254.00	40				Moderate				
RN-20-03	255.40	30							3 cm soft gouge	
RN-20-03	263.00	40				Moderate				
RN-20-03	271.50	35				Weak				
RN-20-03	279.00	50				Weak				



BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-03	0.0	24.3	CAS					
RN-20-03	24.3	27.0	2.1	0.4		70	15	Very Poor
RN-20-03	27.0	30.0	2.1	0.4		70	13	Very Poor
RN-20-03	30.0	33.0	2.8	0.7		93	23	Very Poor
RN-20-03	33.0	36.0	3.0	1.6		100	53	Fair
RN-20-03	36.0	39.0	2.9	1.1		97	37	Poor
RN-20-03	39.0	42.0	2.9	1.7		97	57	Fair
RN-20-03	42.0	45.0	3.0	2.7		100	90	Excellent
RN-20-03	45.0	48.0	3.0	2.6		100	87	Good
RN-20-03	48.0	51.0	2.9	1.9		97	63	Fair
RN-20-03	51.0	54.0	2.8	1.4		93	47	Poor
RN-20-03	54.0	57.0	2.9	0.7		97	23	Very Poor
RN-20-03	57.0	60.0	3.0	2.9		100	97	Excellent
RN-20-03	60.0	63.0	3.0	2.9		100	97	Excellent
RN-20-03	63.0	66.0	3.0	2.7		100	90	Excellent
RN-20-03	66.0	69.0	3.0	2.0		100	67	Fair
RN-20-03	69.0	72.0	3.0	2.4		100	80	Good
RN-20-03	72.0	75.0	3.0	2.7		100	90	Excellent
RN-20-03	75.0	78.0	3.0	2.8		100	93	Excellent
RN-20-03	78.0	81.0	3.0	2.7		100	90	Excellent
RN-20-03	81.0	84.0	3.0	2.7		100	90	Excellent
RN-20-03	84.0	87.0	3.0	2.4		100	80	Good
RN-20-03	87.0	90.0	3.0	2.8		100	93	Excellent
RN-20-03	90.0	93.0	3.0	2.9		100	97	Excellent
RN-20-03	93.0	96.0	3.0	2.9		100	97	Excellent
RN-20-03	96.0	99.0	3.0	3.0		100	100	Excellent
RN-20-03	99.0	102.0	3.0	2.6		100	87	Good
RN-20-03	102.0	105.0	3.0	2.9		100	97	Excellent
RN-20-03	105.0	108.0	3.0	2.9		100	97	Excellent
RN-20-03	108.0	111.0	2.8	1.8		93	60	Fair
RN-20-03	111.0	114.0	2.9	1.7		97	57	Fair
RN-20-03	114.0	117.0	3.0	2.8		100	93	Excellent
RN-20-03	117.0	120.0	3.0	2.8		100	93	Excellent

*Rock Quality Designation Deere 1963*

*Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013*

RN-20-03	120.0	123.0	3.0	2.8		100	93	Excellent
RN-20-03	123.0	126.0	3.0	2.8		100	93	Excellent
RN-20-03	126.0	129.0	3.0	2.8		100	93	Excellent
RN-20-03	129.0	132.0	3.0	2.5		100	83	Good
RN-20-03	132.0	135.0	3.0	2.6		100	87	Good
RN-20-03	135.0	138.0	3.0	2.6		100	87	Good
RN-20-03	138.0	141.0	3.0	2.4		100	80	Good
RN-20-03	141.0	144.0	3.0	2.5		100	83	Good
RN-20-03	144.0	147.0	3.0	3.0		100	100	Excellent
RN-20-03	147.0	150.0	3.0	2.8		100	93	Excellent
RN-20-03	150.0	153.0	3.0	2.7		100	90	Excellent
RN-20-03	153.0	156.0	3.0	2.8		100	93	Excellent
RN-20-03	156.0	159.0	3.0	2.6		100	87	Good
RN-20-03	159.0	162.0	3.0	2.7		100	90	Excellent
RN-20-03	162.0	165.0	3.0	2.5		100	83	Good
RN-20-03	165.0	168.0	3.0	2.7		100	90	Excellent
RN-20-03	168.0	171.0	3.0	2.8		100	93	Excellent
RN-20-03	171.0	174.0	3.0	2.9		100	97	Excellent
RN-20-03	174.0	177.0	3.0	2.2		100	73	Fair
RN-20-03	177.0	180.0	3.0	2.9		100	97	Excellent
RN-20-03	180.0	183.0	3.0	2.6		100	87	Good
RN-20-03	183.0	186.0	3.0	2.9		200	97	Excellent
RN-20-03	186.0	189.0	3.0	2.9		200	97	Excellent
RN-20-03	189.0	192.0	3.0	2.9		200	97	Excellent
RN-20-03	192.0	195.0	3.0	3.0		200	100	Excellent
RN-20-03	195.0	198.0	3.0	2.9		200	97	Excellent
RN-20-03	198.0	201.0	3.0	2.9		200	97	Excellent
RN-20-03	201.0	204.0	3.0	3.0		200	100	Excellent
RN-20-03	204.0	207.0	3.0	2.9		200	97	Excellent
RN-20-03	207.0	210.0	3.0	3.0		200	100	Excellent
RN-20-03	210.0	213.0	3.0	2.7		200	90	Excellent
RN-20-03	213.0	216.0	3.0	2.6		200	87	Good
RN-20-03	216.0	219.0	3.0	3.0		200	100	Excellent
RN-20-03	219.0	222.0	3.0	3.0		200	100	Excellent

RN-20-03	222.0	225.0	3.0	3.0		200	100	Excellent
RN-20-03	225.0	228.0	3.0	3.0		200	100	Excellent
RN-20-03	228.0	231.0	3.0	3.0		200	100	Excellent
RN-20-03	231.0	234.0	3.0	3.0		200	100	Excellent
RN-20-03	234.0	237.0	3.0	2.9		200	97	Excellent
RN-20-03	237.0	240.0	3.0	3.0		200	100	Excellent
RN-20-03	240.0	243.0	3.0	3.0		200	100	Excellent
RN-20-03	243.0	246.0	3.0	3.0		200	100	Excellent
RN-20-03	246.0	249.0	3.0	3.0		200	100	Excellent
RN-20-03	249.0	252.0	3.0	2.8		200	93	Excellent
RN-20-03	252.0	255.0	3.0	2.8		200	93	Excellent
RN-20-03	255.0	258.0	3.0	2.9		200	97	Excellent
RN-20-03	258.0	261.0	3.0	3.0		200	100	Excellent
RN-20-03	261.0	264.0	3.0	2.9		200	97	Excellent
RN-20-03	264.0	267.0	3.0	2.3		200	77	Good
RN-20-03	267.0	270.0	3.0	2.9		200	97	Excellent
RN-20-03	270.0	273.0	3.0	2.9		200	97	Excellent
RN-20-03	273.0	276.0	3.0	2.9		200	97	Excellent
RN-20-03	276.0	279.0	3.0	3.0		200	100	Excellent
RN-20-03	279.0	282.0	3.0	3.0		200	100	Excellent
RN-20-03	282.0	285.0	3.0	2.7		200	90	Excellent
RN-20-03	285.0	288.0	3.0	2.7		200	90	Excellent
RN-20-03	288.0	291.0	3.0	1.9		200	63	Fair

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Au-AA23 Au ppm
RN-20-03	X948865	30.0	31.0	1.0		IVOLCfol		1	<0.005
RN-20-03	X948866	31.0	32.0	1.0		IVOLCfol		1	<0.005
RN-20-03	X948867	32.0	33.0	1.0		IVOLCfol		3	<0.005
RN-20-03	X948868	33.0	34.0	1.0		IVOLCfol		1	<0.005
RN-20-03	X948869	34.0	35.0	1.0		IVOLCfol		2	<0.005
RN-20-03	X948870	35.0	36.0	1.0		IVOLCfol		1	<0.005
RN-20-03	X948871	36.0	37.0	1.0		IVOLCfol		1	<0.005
RN-20-03	X948872	63.0	64.0	1.0		ALTZN		3	0.612
RN-20-03	X948873	64.0	65.0	1.0		ALTZN		1	0.117
RN-20-03	X948874	65.0	66.0	1.0		ALTZN		1	<0.005
RN-20-03	X948875				OREAS 219				0.842
RN-20-03	X948876	66.0	67.0	1.0		ALTZN		1	<0.005
RN-20-03	X948877	67.0	68.0	1.0		ALTZN		1	0.038
RN-20-03	X948878	68.0	69.0	1.0		ALTZN		1	0.092
RN-20-03	X948879	69.0	70.0	1.0		ALTZN		1	<0.005
RN-20-03	X948880	70.0	71.5	1.5		ALTZN		1	<0.005
RN-20-03	X948881	143.0	143.8	0.8		ALTZN			0.017
RN-20-03	X948882	143.8	144.5	0.7		ALTZN		3	0.296
RN-20-03	X948883	144.5	145.5	1.0		ALTZN	3	15	0.551
RN-20-03	X948884	145.5	146.5	1.0		ALTZN	5	5	0.163
RN-20-03	X948885				Blank				
RN-20-03	X948886	146.5	147.5	1.0		ALTZN	5	3	0.136
RN-20-03	X948887	147.5	148.0	0.5		ALTZN	5	2	0.074
RN-20-03	X948888	148.0	149.0	1.0		IVOLCtuf			0.053
RN-20-03	X948889	200.5	201.5	1.0		IVOLCarg		1	<0.005
RN-20-03	X948890	201.5	202.5	1.0		IVOLCarg		1	0.018
RN-20-03	X948891	202.5	203.5	1.0		IVOLCarg		3	0.011
RN-20-03	X948892				OREAS 219				0.755
RN-20-03	X948893	203.5	204.5	1.0		IVOLCarg		1	0.011
RN-20-03	X948894	216.0	217.0	1.0		ALTZN		1	<0.005
RN-20-03	X948895	217.0	218.0	1.0		ALTZN		1	<0.005
RN-20-03	X948896	218.0	219.0	1.0		ALTZN		1	<0.005

RN-20-03	X948897				Blank				<0.005
RN-20-03	X948898	219.0	220.0	1.0		ALTZN		2	0.028
RN-20-03	X948899	220.0	221.0	1.0		ALTZN		10	0.075
RN-20-03	X948900	221.0	222.0	1.0		ALTZN		15	0.299
RN-20-03	X948901	222.0	223.0	1.0		ALTZN		10	0.141
RN-20-03	X948902	223.0	224.0	1.0		ALTZN		5	0.022
RN-20-03	X948903	224.0	225.0	1.0		ALTZN		10	<0.005
RN-20-03	X948904	225.0	226.0	1.0		ALTZN		5	0.007
RN-20-03	X948905	226.0	227.0	1.0		ALTZN		3	0.025
RN-20-03	X948906	227.0	228.0	1.0		ALTZN		1	0.022
RN-20-03	X948907	228.0	229.0	1.0		ALTZN		3	<0.005
RN-20-03	X948908	229.0	230.0	1.0		ALTZN		3	0.06
RN-20-03	X948909	230.0	231.0	1.0		ALTZN		2	0.01
RN-20-03	X948910	231.0	232.0	1.0		ALTZN		5	0.119
RN-20-03	X948911	232.0	233.0	1.0		ALTZN		1	0.061
RN-20-03	X948912	233.0	234.0	1.0		ALTZN		3	0.673
RN-20-03	X948913	234.0	235.0	1.0		ALTZN		5	0.079
RN-20-03	X948914	235.0	236.0	1.0		ALTZN		1	0.005
RN-20-03	X948915				OREAS 223				1.79
RN-20-03	X948916	236.0	237.0	1.0		ALTZN		1	0.021
RN-20-03	X948917	237.0	238.0	1.0		ALTZN		3	<0.005
RN-20-03	X948918	238.0	239.0	1.0		ALTZN		3	0.099
RN-20-03	X948919	239.0	240.0	1.0		ALTZN		50	0.902
RN-20-03	X948920	240.0	241.0	1.0		ALTZN		50	0.383
RN-20-03	X948921				Blank				<0.005
RN-20-03	X948922	241.0	242.0	1.0		ALTZN		10	0.364
RN-20-03	X948923	242.0	243.0	1.0		ALTZN		5	0.075
RN-20-03	X948924	243.0	244.0	1.0		ALTZN		3	0.269
RN-20-03	X948925	244.0	245.0	1.0		ALTZN		35	6.56
RN-20-03	X948926	245.0	246.0	1.0		ALTZN		15	0.129
RN-20-03	X948927	246.0	247.0	1.0		ALTZN		5	0.23
RN-20-03	X948928	247.0	248.0	1.0		ALTZN		1	0.012
RN-20-03	X948929	248.0	249.0	1.0		ALTZN		7	0.033
RN-20-03	X948930	249.0	250.0	1.0		ALTZN		15	0.121

RN-20-03	X948931	250.0	251.0	1.0		ALTZN		1	0.118
RN-20-03	X948932	251.0	252.0	1.0		ALTZN		5	0.07
RN-20-03	X948933	252.0	253.0	1.0		ALTZN		1	0.185
RN-20-03	X948934	253.0	254.0	1.0		ALTZN		1	0.156
RN-20-03	X948935	254.0	255.0	1.0		ALTZN		65	0.308
RN-20-03	X948936				OREAS 228				8.64
RN-20-03	X948937	255.0	256.0	1.0		ALTZN		10	0.239
RN-20-03	X948938	256.0	257.0	1.0		ALTZN		3	0.073
RN-20-03	X948939	257.0	258.0	1.0		ALTZN		35	0.404
RN-20-03	X948940	258.0	259.0	1.0		ALTZN		3	0.325
RN-20-03	X948941				Blank				<0.005
RN-20-03	X948942	259.0	260.0	1.0		ALTZN		1	0.062
RN-20-03	W934001	260.0	261.0	1.0		ALTZN		1	0.311
RN-20-03	W934002	261.0	262.0	1.0		ALTZN		10	0.553
RN-20-03	W934003	262.0	263.0	1.0		ALTZN		1	0.051
RN-20-03	X948943	270.0	271.6	1.6		IVOLCtuf		2	0.181
RN-20-03	X948944	271.6	272.5	1.0		ALTZN		1	0.091
RN-20-03	X948945	272.5	273.5	1.0		ALTZN		1	0.218
RN-20-03	X948946	273.5	274.5	1.0		ALTZN		3	0.194
RN-20-03	X948947	274.5	275.5	1.0		ALTZN		2	0.042
RN-20-03	X948948	275.5	276.5	1.0		ALTZN		10	0.009
RN-20-03	X948949	276.5	277.5	1.0		ALTZN		10	0.382
RN-20-03	X948950	277.5	278.5	1.0		IVOLCtuf		2	0.073
RN-20-03	W934004	284.0	285.0	1.0		IVOLCtuf		1	<0.005
RN-20-03	W934005				Blank				<0.005
RN-20-03	W934006	285.0	286.0	1.0		IVOLCtuf		3	0.019
RN-20-03	W934007	286.0	287.0	1.0		IVOLCtuf		1	<0.005
RN-20-03	W934008	287.0	288.0	1.0		IVOLCtuf		1	<0.005
RN-20-03	W934009	288.0	289.0	1.0		IVOLCtuf		5	0.248
RN-20-03	W934010	289.0	290.0	1.0		IVOLCtuf		1	0.257
RN-20-03	W934011				OREAS 219				0.891
RN-20-03	W934012	290.0	291.0	1.0		IVOLCtuf			0.05

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-04</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365753	5303549	391	25	-45	306.00
<b>Purpose</b>	Test south dip to the alteration/mineralized zones							
<b>Explanation</b>								
<b>Start date</b>	March 5, 2020							
<b>End date</b>	March 8, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	22.5 m casing left in ground	<b>Capping</b>	Metal Cap with Metal Flag					
<b>Artesian Y/N</b>	No							
<b>Water Source</b>	Small pond 50 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 12, 2020	<b>Assays Added</b>	April 12, 2020					
<b>Comments</b>	APS used to set drill							
<b>Comments</b>	Hole planned further north in bog, ground not stable hole moved south							

**Comments**

66 boxes of core



<b>BHID</b>	<b>Depth</b>	<b>Az</b>	<b>Declin (-09)</b>	<b>Dip</b>	<b>Mag Field</b>	<b>Mag Susc</b>	<b>Use Az</b>	<b>Use Dip</b>	<b>Comments</b>
RN-20-04	0	25	25.0	-45.0			Y	Y	As spotted in field.
RN-20-04	36.0	35.7	26.7	-51.2	55456	0.32	Y	Y	
RN-20-04	54.0	36.5	27.5	-51.1	55471	0.30	Y	Y	
RN-20-04	99.0	38.4	29.4	-51.9	55520	0.18	Y	Y	
RN-20-04	150.0	41.4	32.4	-50.3	55606	0.12	Y	Y	
RN-20-04	199.0	43.5	34.5	-50.5	55372	0.16	Y	Y	
RN-20-04	249.0	44.2	35.2	-50.2	55390	0.08	Y	Y	
RN-20-04	306.0	46.5	37.5	-50.0	55333	0.12	Y	Y	

<b>BHID</b>	<b>From</b>	<b>To</b>	<b>Litho</b>	<b>Comment</b>
RN-20-04	0	22.50	CAS	CASING-Overburden
RN-20-04	22.50	40.90	IVOLCamyg	Intermediate Volcanic Amygdaloidal Flow - Light green grey, intermediate not mafic in color. Distinct amygdules up to 8mm rounded, with light white rims and darker grey cores. Weak foliation white feldspar are elongate flattened. 22.5-30 Broken Blocky core Amygdules cores are faint and scattered. Not certain if these are Amygdules
RN-20-04	40.90	57.30	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to lighter fine beds laminations. Local disrupted beds Sharp upper contact
RN-20-04	57.30	65.10	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 8mm angular. Sharp upper contact
RN-20-04	65.10	72.50	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds
RN-20-04	72.50	80.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 8mm angular slightly flattened.
RN-20-04	80.60	112.00	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds
RN-20-04	112.00	186.20	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 8mm angular slightly flattened. 127.0-230.4 Distinct coarse bed with clasts up to 2 cm. 167.0-170.4 Grey groundmass with white indistinct outlines. Amygdules????
RN-20-04	186.20	192.40	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds

Hard but can be scratched, not chert.  
Gradational upper contact

RN-20-04	192.40	200.80	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 3 cm angular slightly flattened.
RN-20-04	200.80	214.00	IVOLCarg	Intermediate Volcanic Argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds Weak foliation
RN-20-04	214.00	279.00	ALTZN	Alteration Zone - Weak alteration with distinct clasts/fragments and local banded bedded intervals. 3-5-% white veins throughout. Unit is hard >5.5 (nail) with irregular patchy carb. Fizz. Tr py 229 -231.5 25% qtz veins brecciated at 10 deg to CA. Groundmass is Argillite 240.4-241.2 Intermediate dike sharp upper and lower contacts.
RN-20-04	279.00	306.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Distinct lapilli sized clasts up to 3 cm angular slightly flattened.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygduloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

BHID	Depth	MS	Lith
RN-20-04	24.0	0.19	IVOLCamyg
RN-20-04	25.0	0.25	IVOLCamyg
RN-20-04	27.0	0.20	IVOLCamyg
RN-20-04	30.0	0.27	IVOLCamyg
RN-20-04	35.0	0.32	IVOLCamyg
RN-20-04	39.0	0.42	IVOLCamyg
RN-20-04	41.5	0.23	IVOLCarg
RN-20-04	MS-02	0.05	
RN-20-04	44.0	0.33	IVOLCarg
RN-20-04	47.0	0.22	IVOLCarg
RN-20-04	48.5	0.12	IVOLCarg
RN-20-04	50.0	0.10	IVOLCarg
RN-20-04	53.0	0.30	IVOLCarg
RN-20-04	59.0	0.17	IVOLCtuf
RN-20-04	65.0	0.24	IVOLCtuf
RN-20-04	69.0	0.19	IVOLCarg
RN-20-04	75.0	0.20	IVOLCtuf
RN-20-04	80.5	0.20	IVOLCtuf
RN-20-04	86.0	0.15	IVOLCarg
RN-20-04	MS-03	1.05	
RN-20-04	92.0	0.35	IVOLCarg
RN-20-04	95.0	0.15	IVOLCarg
RN-20-04	98.0	0.18	IVOLCarg
RN-20-04	102.0	0.28	IVOLCarg
RN-20-04	105.0	0.21	IVOLCarg
RN-20-04	108.0	0.14	IVOLCarg
RN-20-04	114.0	0.09	IVOLCtuf
RN-20-04	119.0	0.14	IVOLCtuf
RN-20-04	123.0	0.09	IVOLCtuf
RN-20-04	127.0	0.16	IVOLCtuf
RN-20-04	MS-1	72.20	
RN-20-04	133.0	0.10	IVOLCtuf
RN-20-04	139.0	0.90	IVOLCtuf
RN-20-04	143.0	0.10	IVOLCtuf
RN-20-04	147.0	0.12	IVOLCtuf
RN-20-04	153.0	0.33	IVOLCtuf
RN-20-04	160.0	0.14	IVOLCtuf
RN-20-04	165.0	0.09	IVOLCtuf
RN-20-04	175.0	0.14	IVOLCtuf
RN-20-04	181.0	0.11	IVOLCtuf
RN-20-04	187.0	0.08	IVOLCarg
RN-20-04	191.0	0.06	IVOLCarg
RN-20-04	195.0	0.07	IVOLCtuf
RN-20-04	MS-2	0.09	
RN-20-04	200.0	0.16	IVOLCtuf
RN-20-04	209.0	0.12	IVOLCarg

RN-20-04	213.0	0.21	IVOLCarg
RN-20-04	216.0	0.04	ALTZN
RN-20-04	222.0	0.11	ALTZN
RN-20-04	226.0	0.10	ALTZN
RN-20-04	230.0	0.03	ALTZN
RN-20-04	235.0	0.11	ALTZN
RN-20-04	240.0	0.13	ALTZN
RN-20-04	MS-4	24.40	
RN-20-04	245.0	0.23	ALTZN
RN-20-04	249.0	0.08	ALTZN
RN-20-04	255.0	0.07	ALTZN
RN-20-04	260.0	0.04	ALTZN
RN-20-04	265.0	0.03	ALTZN
RN-20-04	271.0	0.06	ALTZN
RN-20-04	275.0	0.06	ALTZN
RN-20-04	280.0	0.10	IVOLCtuf
RN-20-04	284.0	0.04	IVOLCtuf
RN-20-04	287.0	0.08	IVOLCtuf
RN-20-04	291.0	0.10	IVOLCtuf
RN-20-04	MS-2	0.05	
RN-20-04	295.0	0.13	IVOLCtuf
RN-20-04	300.0	0.07	IVOLCtuf
RN-20-04	304.0	0.12	IVOLCtuf

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG	Mag Susc
RN-20-04	March 6 ,2020	Weight	195.00	195.29	195.29	195.29					
RN-20-04	March 6 ,2020	SG-1	Jasper	366.93	366.92	366.93	232.01	232.04	232.03	2.72	
RN-20-04	March 6 ,2020	41.20	IVOLCmyg	509.62	509.62	509.62	325.64	325.59	325.62	2.77	0.04
RN-20-04	March 6 ,2020	60.00	IVOLCtuf	396.91	396.92	396.92	253.85	253.85	253.85	2.77	0.16
RN-20-04	March 6 ,2020	85.00	IVOLCarg	437.25	437.26	437.26	278.7	278.71	278.71	2.76	0.21
RN-20-04	March 7, 2020	129.00	IVOLCtuf	489.63	489.63	489.63	308.57	308.54	308.56	2.70	0.12
RN-20-04	March 7, 2020	151.50	IVOLCtuf	307.28	307.28	307.28	193.38	193.35	193.37	2.70	0.20
RN-20-04	March 7, 2020	162.00	IVOLCtuf	345.95	345.96	345.96	218.25	218.21	218.23	2.71	0.28
RN-20-04	March 8, 2020	175.00	IVOLCtuf	439.36	439.35	439.36	280.59	280.63	280.61	2.77	0.03
RN-20-04	March 8, 2020	212.50	IVOLCarg	580.29	580.27	580.28	368.17	368.17	368.17	2.74	0.21
RN-20-04	Feb 29,2020	221.00	ALTZN	429.2	429.19	429.20	271.25	271.23	271.24	2.72	0.11
RN-20-04	Feb 29,2020	241.00	ALTZN	676.2	676.20	676.20	426.60	426.64	426.62	2.71	0.13
RN-20-04	Feb 29,2020	283.50	ALTZN	326.1	326.10	326.10	205.84	205.88	205.86	2.71	0.04

*Ohaus Scout SIX 1502N/E Balance      Terraplus KT-5 Magnetic Susceptibility Meter*

**Oriented Core**

BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment
RN-20-04	32.5	30				Weak				
RN-20-04	47.00	35				Weak				
RN-20-04	49.80	50			Sharp					
RN-20-04	52.00	25					Argillite beds/bands			
RN-20-04	52.30		20	340			Argillite beds/bands			
RN-20-04	57.30	40			Sharp					
RN-20-04	60.50	35				Weak				
RN-20-04	66.00	35					Argillite beds/bands			
RN-20-04	79.20	25					Tuff Beds			
RN-20-04	81.80	20					Argillite beds/bands			
RN-20-04	87.50	20				Weak				
RN-20-04	100.00	25					Argillite beds/bands			
RN-20-04	105.00	40					Argillite beds/bands			
RN-20-04	128.00	40				Weak				
RN-20-04	153.50	30					Argillite beds/bands			
RN-20-04	214.00		40	340	Sharp					
RN-20-04	266.00	30					Argillite beds			
RN-20-04	278.00	50				Weak				



BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-04	0.0	22.5	CAS					
RN-20-04	22.5	24.0	1.0	0.0		33	0	Very Poor
RN-20-04	24.0	27.0	2.6	0.4		87	13	Very Poor
RN-20-04	27.0	30.0	2.9	0.5		97	17	Very Poor
RN-20-04	30.0	33.0	3.0	2.8		100	93	Excellent
RN-20-04	33.0	36.0	3.0	3.0		100	100	Excellent
RN-20-04	36.0	39.0	3.0	2.8		100	93	Excellent
RN-20-04	39.0	42.0	2.9	1.6		97	53	Fair
RN-20-04	42.0	45.0	3.0	3.0		100	100	Excellent
RN-20-04	45.0	48.0	3.0	2.8		100	93	Excellent
RN-20-04	48.0	51.0	2.8	3.0		93	100	Excellent
RN-20-04	51.0	54.0	2.9	3.0		97	100	Excellent
RN-20-04	54.0	57.0	3.0	2.9		100	97	Excellent
RN-20-04	57.0	60.0	3.0	2.8		100	93	Excellent
RN-20-04	60.0	63.0	3.0	2.9		100	97	Excellent
RN-20-04	63.0	66.0	3.0	2.8		100	93	Excellent
RN-20-04	66.0	69.0	3.0	2.9		100	97	Excellent
RN-20-04	69.0	72.0	3.0	2.7		100	90	Excellent
RN-20-04	72.0	75.0	3.0	2.9		100	97	Excellent
RN-20-04	75.0	78.0	3.0	2.4		100	80	Good
RN-20-04	78.0	81.0	3.0	2.9		100	97	Excellent
RN-20-04	81.0	84.0	3.0	2.5		100	83	Good
RN-20-04	84.0	87.0	3.0	2.6		100	87	Good
RN-20-04	87.0	90.0	3.0	2.8		100	92	Excellent
RN-20-04	90.0	93.0	3.0	2.8		100	93	Excellent
RN-20-04	93.0	96.0	3.0	3.0		100	100	Excellent
RN-20-04	96.0	99.0	3.0	2.8		100	93	Excellent
RN-20-04	99.0	102.0	3.0	2.6		100	87	Good
RN-20-04	102.0	105.0	3.0	2.7		100	90	Excellent
RN-20-04	105.0	108.0	2.8	2.8		93	93	Excellent
RN-20-04	108.0	111.0	2.9	2.4		97	80	Good
RN-20-04	111.0	114.0	3.0	2.5		100	83	Good
RN-20-04	114.0	117.0	3.0	2.9		100	97	Excellent

Rock Quality Designation Deere 1963

Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013

RN-20-04	117.0	120.0	3.0	3.0		100	100	Excellent
RN-20-04	120.0	123.0	3.0	2.9		100	97	Excellent
RN-20-04	123.0	126.0	3.0	2.9		100	97	Excellent
RN-20-04	126.0	129.0	3.0	2.8		100	93	Excellent
RN-20-04	129.0	132.0	2.7	1.9		90	63	Fair
RN-20-04	132.0	135.0	2.9	2.9		97	97	Excellent
RN-20-04	135.0	138.0	3.1	2.9		103	97	Excellent
RN-20-04	138.0	141.0	3.0	3.0		100	100	Excellent
RN-20-04	141.0	144.0	3.0	2.8		100	93	Excellent
RN-20-04	144.0	147.0	3.0	3.0		100	100	Excellent
RN-20-04	147.0	150.0	3.0	3.0		100	100	Excellent
RN-20-04	150.0	153.0	3.0	2.9		100	97	Excellent
RN-20-04	153.0	156.0	3.0	3.0		100	100	Excellent
RN-20-04	156.0	159.0	3.0	2.8		100	93	Excellent
RN-20-04	159.0	162.0	3.0	2.8		100	93	Excellent
RN-20-04	162.0	165.0	2.9	2.7		97	90	Excellent
RN-20-04	165.0	168.0	3.2	3.1		107	103	Excellent
RN-20-04	168.0	171.0	3.0	2.9		100	97	Excellent
RN-20-04	171.0	174.0	3.0	2.9		100	97	Excellent
RN-20-04	174.0	177.0	3.0	2.8		100	93	Excellent
RN-20-04	177.0	180.0	3.0	2.9		100	97	Excellent
RN-20-04	180.0	183.0	3.0	2.9		100	97	Excellent
RN-20-04	183.0	186.0	3.0	2.9		100	97	Excellent
RN-20-04	186.0	189.0	3.0	2.8		100	93	Excellent
RN-20-04	189.0	192.0	3.0	2.9		100	97	Excellent
RN-20-04	192.0	195.0	3.0	2.9		100	97	Excellent
RN-20-04	195.0	198.0	3.0	3.0		100	100	Excellent
RN-20-04	198.0	201.0	3.0	2.8		100	93	Excellent
RN-20-04	201.0	204.0	3.0	2.8		100	93	Excellent
RN-20-04	204.0	207.0	3.0	2.7		100	90	Excellent
RN-20-04	207.0	210.0	3.0	2.9		100	97	Excellent
RN-20-04	210.0	213.0	3.0	2.7		100	90	Excellent
RN-20-04	213.0	216.0	3.0	2.9		100	97	Excellent
RN-20-04	216.0	219.0	3.0	2.4		100	80	Good

RN-20-04	219.0	222.0	3.0	3.0		100	100	Excellent
RN-20-04	222.0	225.0	3.0	2.9		100	97	Excellent
RN-20-04	225.0	228.0	3.0	2.9		100	97	Excellent
RN-20-04	228.0	231.0	3.0	3.0		100	100	Excellent
RN-20-04	231.0	234.0	2.9	2.0		97	67	Fair
RN-20-04	234.0	237.0	3.1	2.7		103	90	Excellent
RN-20-04	237.0	240.0	3.0	3.0		100	100	Excellent
RN-20-04	240.0	243.0	3.0	3.0		100	100	Excellent
RN-20-04	243.0	246.0	3.0	2.9		100	97	Excellent
RN-20-04	246.0	249.0	3.0	2.1		100	70	Fair
RN-20-04	249.0	252.0	3.0	2.5		100	83	Good
RN-20-04	252.0	255.0	3.0	2.6		100	87	Good
RN-20-04	255.0	258.0	3.0	2.9		100	97	Excellent
RN-20-04	258.0	261.0	3.0	2.9		100	97	Excellent
RN-20-04	261.0	264.0	3.0	2.7		100	90	Excellent
RN-20-04	264.0	267.0	3.0	2.7		100	90	Excellent
RN-20-04	267.0	270.0	3.0	2.8		100	93	Excellent
RN-20-04	270.0	273.0	3.0	2.9		100	97	Excellent
RN-20-04	273.0	276.0	3.0	3.0		100	100	Excellent
RN-20-04	276.0	279.0	3.0	3.0		100	100	Excellent
RN-20-04	279.0	282.0	3.0	3.0		100	100	Excellent
RN-20-04	282.0	285.0	3.0	3.0		100	100	Excellent
RN-20-04	285.0	288.0	3.0	2.9		100	97	Excellent
RN-20-04	288.0	291.0	3.0	2.5		100	83	Good
RN-20-04	291.0	294.0	3.0	2.7		100	90	Excellent
RN-20-04	294.0	297.0	3.0	2.5		100	83	Good
RN-20-04	297.0	300.0	3.0	2.4		100	80	Good
RN-20-04	300.0	303.0	3.0	3.0		100	100	Excellent
RN-20-04	303.0	306.0	3.0	2.7		100	90	Excellent

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Comment	Comment	Au-AA23 Au ppm
RN-20-04	W934013	127.0	128.1	1.1		IVOLCtuf		50			0.503
RN-20-04	w934014	143.0	144.0	1.0		IVOLCtuf		50			0.03
RN-20-04	W934015	214.0	215.0	1.0		ALTZN		1			0.005
RN-20-04	W934016	215.0	216.0	1.0		ALTZN		1			0.193
RN-20-04	W934017	216.0	217.0	1.0		ALTZN		1			0.02
RN-20-04	W934018	217.0	218.0	1.0		ALTZN		3			0.06
RN-20-04	W934019	218.0	219.0	1.0		ALTZN		10			0.295
RN-20-04	W934020	219.0	220.0	1.0		ALTZN		15			0.225
RN-20-04	W934021				Blank						<0.005
RN-20-04	W934022	220.0	221.0	1.0		ALTZN		3			0.025
RN-20-04	W934023	221.0	222.0	1.0		ALTZN		5			0.011
RN-20-04	W934024	222.0	223.0	1.0		ALTZN		1			0.007
RN-20-04	W934025				OREAS 219						0.747
RN-20-04	W934026	223.0	224.0	1.0		ALTZN		1			<0.005
RN-20-04	W934027	224.0	225.0	1.0		ALTZN		2			<0.005
RN-20-04	W934028	225.0	226.0	1.0		ALTZN		15			0.229
RN-20-04	W934029	226.0	227.0	1.0		ALTZN		1			0.021
RN-20-04	W934030	227.0	228.0	1.0		ALTZN		1			0.007
RN-20-04	W934031	228.0	229.0	1.0		ALTZN		2			0.015
RN-20-04	W934032	229.0	230.0	1.0		ALTZN		50			0.393
RN-20-04	W934033	230.0	231.0	1.0		ALTZN		10			0.663
RN-20-04	W934034	231.0	232.0	1.0		ALTZN		2			0.339
RN-20-04	W934035	232.0	233.0	1.0		ALTZN		2			0.098
RN-20-04	W934036	233.0	234.0	1.0		ALTZN		1			0.025
RN-20-04	W934037	234.0	235.0	1.0		ALTZN					<0.005
RN-20-04	W934038	235.0	236.0	1.0		ALTZN					<0.005
RN-20-04	W934039	236.0	237.0	1.0		ALTZN					0.005
RN-20-04	W934040				Blank						<0.005
RN-20-04	W934041	237.0	238.0	1.0		ALTZN		2			<0.005
RN-20-04	W934042	238.0	239.0	1.0		ALTZN		3			0.049
RN-20-04	W934043	239.0	240.0	1.0		ALTZN		2			0.026
RN-20-04	W934044	240.0	241.0	1.0		ALTZN					<0.005

RN-20-04	W934045	241.0	242.0	1.0		ALTZN		1			0.006
RN-20-04	W934046	242.0	243.0	1.0		ALTZN		1			0.095
RN-20-04	W934047	243.0	244.0	1.0		ALTZN		2			0.033
RN-20-04	W934048	244.0	245.0	1.0		ALTZN		3			0.017
RN-20-04	W934049	245.0	246.0	1.0		ALTZN		2			0.066
RN-20-04	W934050	246.0	247.5	1.5		ALTZN		10			0.097
RN-20-04	W934051	247.5	249.0	1.5		ALTZN		1			0.037
RN-20-04	W934052	249.0	250.0	1.0		ALTZN					<0.005
RN-20-04	W934053				OREAS 223						1.755
RN-20-04	W934054	250.0	251.0	1.0		ALTZN		15			0.142
RN-20-04	W934055	251.0	252.0	1.0		ALTZN		2			0.009
RN-20-04	W934056	252.0	253.0	1.0		ALTZN					<0.005
RN-20-04	W934057	253.0	254.0	1.0		ALTZN					0.018
RN-20-04	W934058	254.0	255.0	1.0		ALTZN		3			0.082
RN-20-04	W934059	255.0	256.0	1.0		ALTZN		1			0.007
RN-20-04	W934060				Blank						<0.005
RN-20-04	W934061	256.0	257.0	1.0		ALTZN		3			<0.005
RN-20-04	W934062	257.0	258.0	1.0		ALTZN		1			0.169
RN-20-04	W934063	258.0	259.0	1.0		ALTZN	2	10	coarse cubes		0.255
RN-20-04	W934064	259.0	260.0	1.0		ALTZN		1			0.028
RN-20-04	W934065	260.0	261.0	1.0		ALTZN					0.024
RN-20-04	W934066	261.0	262.0	1.0		ALTZN					<0.005
RN-20-04	W934067	262.0	263.0	1.0		ALTZN					<0.005
RN-20-04	W934068	263.0	264.0	1.0		ALTZN					<0.005
RN-20-04	W934069	264.0	265.0	1.0		ALTZN		1			<0.005
RN-20-04	W934070	265.0	266.0	1.0		ALTZN		3			0.12
RN-20-04	W934071	266.0	267.0	1.0		ALTZN		1			0.005
RN-20-04	W934072	267.0	268.0	1.0		ALTZN					<0.005
RN-20-04	W934073				OREAS 219						0.754
RN-20-04	W934074	268.0	269.0	1.0		ALTZN					<0.005
RN-20-04	W934075	269.0	270.0	1.0		ALTZN		2			0.174
RN-20-04	W934076	270.0	271.0	1.0		ALTZN		10			0.307
RN-20-04	W934077	271.0	272.0	1.0		ALTZN		1			<0.005
RN-20-04	W934078	272.0	273.0	1.0		ALTZN		2			0.358

RN-20-04	W934079	273.0	274.0	1.0		ALTZN		1			0.094
RN-20-04	W934080				Blank						<0.005
RN-20-04	W934081	274.0	275.0	1.0		ALTZN		3			0.016
RN-20-04	W934082	275.0	276.0	1.0		ALTZN		3			0.037
RN-20-04	W934083	276.0	277.0	1.0		ALTZN		1			0.016
RN-20-04	W934084	277.0	278.0	1.0		ALTZN		2			0.122
RN-20-04	W934085	278.0	279.0	1.0		ALTZN		2			0.017
RN-20-04	W934086	279.0	280.0	1.0		ALTZN		1			0.006

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-05</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365753	5303549	391	25	-58	319.50
<b>Purpose</b>	Test south dip to the alteration/mineralized zones							
<b>Explanation</b>	Weak section of quartz veins at expected depth							
<b>Start date</b>	March 8, 2020							
<b>End date</b>	March 14, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	19 m casing left in ground	<b>Capping</b>	Metal Cap					
<b>Artesian Y/N</b>	No							
<b>Water Source</b>	Small pond 50 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 15, 2020	<b>Assays Added</b>	12-Apr-20					
<b>Comments</b>	APS used to set drill							
<b>Comments</b>	69 Boxes Core							

## Comments



BHID	Depth	Az	Declin (-09)	Dip	Mag Field	Mag Susc	Use Az	Use Dip	Comments
RN-20-05	0	25	25.0	-58.0			N	Y	As spotted in field.
RN-20-05	45.0	34.6	25.6	-62.0	55555		Y	Y	
RN-20-05	100.0	37.2	28.2	-62.7	55434		Y	Y	
RN-20-05	150.0	38.6	29.6	-62.7	55404		Y	Y	
RN-20-05	201.0	38.6	29.6	-62.7	55459		Y	Y	
RN-20-05	250.0	41.3	32.3	-62.9	55337		Y	Y	
RN-20-05	300.0	42.7	33.7	-63.0	55229		Y	Y	

<b>BHID</b>	<b>From</b>	<b>To</b>	<b>Litho</b>	<b>Comment</b>
RN-20-05	0	19.00	CAS	CASING-Overburden
RN-20-05	19.00	27.00	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to lighter fine beds laminations. Local disrupted beds. Low core angles
RN-20-05	27.00	75.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Weakly foliated. Hazy white grey lapilli sized clasts up to 8mm angular flattened. H>5.5 minor carb alteration. 27.0-29.0 BBC 31.0-38.0 BBC Down unit distinct lapilli clasts flattened up to 3 cm in size.
RN-20-05	75.50	85.20	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds, low core angle.
RN-20-05	85.20	115.40	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Moderate foliation. Fragments are flattened out. Possible clasts are hazy white and flattened out.
RN-20-05	115.40	121.00	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds. Sharp abrupt upper contact.
RN-20-05	121.00	138.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Moderate foliation. Fragments are flattened out. Possible clasts are hazy white and flattened out.
RN-20-05	138.60	180.60	IVOLC	Intermediate to Mafic Volcanic - Dark green grey with 10-15% feldspar phenocrysts. Feldspar phenocrysts 10-15% are sharp distinct sub hedral. not foliated and not forming bands or beds. Hard > 5 (nail) . Phenocrysts are randomly oriented, not in bands or beds, phenocrysts not foliated.
RN-20-05	180.60	184.80	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds. Sharp abrupt upper contact.
RN-20-05	184.80	188.90	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Moderate foliation. Fragments are flattened out.

Possible clasts are hazy white 1-8mm and flattened out.

RN-20-05	188.90	204.50	IVOLCbrec	Intermediate Volcanic Tuff Breccia - Distinct coarse fragmental tuff breccia (possible conglomerate). Clasts flattened appear angular ragged edges. No granitic clasts. >50% clasts, locally clastic supported. 196.8-198.2 Mafic Dike
RN-20-05	204.50	206.90	IVOLCarg	Intermediate Volcanic argillite- Light buff color with distinct white to light fine beds laminations. Local disrupted beds. Sharp abrupt upper contact.
RN-20-05	206.90	210.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Moderate foliation. Fragments are flattened out. Possible clasts are hazy white 1-8mm and flattened out.
RN-20-05	210.00	223.80	ARGblk	Argillite Black - Dark black fine grained laminated argillite. Well developed bands and beds moderate hard. Down hole unit becomes softer and graphitic. Tr-1% py in fine cubes 220.0-222.6 Strong foliation, soft graphitic section with strong conductivity over 5 cm across core axis. BBC through this interval with 10-15% qt veins along bedding planes, 3-5% py.
RN-20-05	223.80	264.70	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Moderate foliation. Clasts/pebbles are 1-3cm angular and rounded suggest possible conglomerate. Matrix is dark grey fine argillaceous. Scattered angular argillite clasts up to 3cm. Unit is distinct with the drk black 10-15% argillite clasts.  244.0-245.5 Dark grey fine grained band/bed 248.5-249.2 Coarse bed (conglomerate?) with 5 cm rounded clasts and angular clasts. 256.8 - 257.2 Black fine argillite bed.
RN-20-05	264.70	267.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Moderate foliation. Fragments are flattened out. Possible clasts are hazy white 1-8mm and flattened out.
RN-20-05	267.60	274.90	ARGblk	Argillite Black - Dark black fine grained laminated argillite. Well developed bands and beds moderate hard. 273 - 274.5 BBC

RN-20-05	274.90	280.00	IVOLCamyg	Intermediate Volcanic Amygdaloidal flow. Green feldspar phyc local brecciated mottled texture. Distinct amygdules with dark core and lighter rims, rounded up to 5mm.
RN-20-05	280.00	288.00	ALTZN	Alteration Zone - Light green fine weak alteration, amygdules still visible. 3% white to grey quartz veins up to 10 cm. Weak carb fizz
RN-20-05	288.00	317.00	ALTZN	Alteration Zone - Light green with distinct lapilli tuff unit with 1-3% quartz veins. 313-314 20% qtz veins 1 % py cubes.
RN-20-05	317.00	319.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green grey. Moderate foliation. Fragments are flattened out.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygduloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

BHID	Depth	MS	Lith
RN-20-05	22.0	0.08	IVOLCarg
RN-20-05	26.0	0.05	IVOLCarg
RN-20-05	30.0	0.10	IVOLCtuf
RN-20-05	34.0	0.22	IVOLCtuf
RN-20-05	39.0	0.02	IVOLCtuf
RN-20-05	43.0	0.16	IVOLCtuf
RN-20-05	48.0	0.14	IVOLCtuf
RN-20-05	52.0	0.23	IVOLCtuf
RN-20-05	56.0	0.12	IVOLCtuf
RN-20-05	61.0	0.19	IVOLCtuf
RN-20-05	65.0	0.10	IVOLCtuf
RN-20-05	69.0	0.19	IVOLCtuf
RN-20-05	74.0	0.11	IVOLCtuf
RN-20-05	78.0	0.12	IVOLCarg
RN-20-05	83.0	0.12	IVOLCarg
RN-20-05	86.0	0.14	IVOLCtuf
RN-20-05	91.0	0.18	IVOLCtuf
RN-20-05	95.0	0.09	IVOLCtuf
RN-20-05	100.0	0.28	IVOLCtuf
RN-20-05	104.0	0.16	IVOLCtuf
RN-20-05	109.0	0.20	IVOLCtuf
RN-20-05	113.0	0.28	IVOLCtuf
RN-20-05	117.0	0.10	IVOLCarg
RN-20-05	121.0	0.35	IVOLCarg
RN-20-05	MS-03	1.05	
RN-20-05	126.0	0.26	IVOLCtuf
RN-20-05	129.0	0.33	IVOLCtuf
RN-20-05	132.0	0.30	IVOLCtuf
RN-20-05	137.0	0.26	IVOLC
RN-20-05	140.0	0.36	IVOLC
RN-20-05	144.0	0.38	IVOLC
RN-20-05	147.0	0.25	IVOLC
RN-20-05	153.0	0.27	IVOLC
RN-20-05	156.0	0.27	IVOLC
RN-20-05	159.0	0.68	IVOLC
RN-20-05	MS-02	0.07	
RN-20-05	163.0	0.26	IVOLC
RN-20-05	169.0	0.35	IVOLC
RN-20-05	172.0	0.27	IVOLC
RN-20-05	175.0	0.24	IVOLC
RN-20-05	177.5	0.24	IVOLC
RN-20-05	179.0	0.14	IVOLC
RN-20-05	182.0	0.13	IVOLCarg
RN-20-05	183.5	0.16	IVOLCarg
RN-20-05	186.0	0.30	IVOLCtuf
RN-20-05	189.0	0.33	IVOLCbrec

RN-20-05	191.0	0.22	IVOLCbrec
RN-20-05	192.5	0.19	IVOLCbrec
RN-20-05	195.0	0.17	IVOLCbrec
RN-20-05	MS-3	1.12	
RN-20-05	196.5	0.20	IVOLCbrec
RN-20-05	197.5	0.38	IVOLCbrec
RN-20-05	198.0	0.36	IVOLCbrec
RN-20-05	199.0	0.27	IVOLCbrec
RN-20-05	202.0	0.35	IVOLCbrec
RN-20-05	205.0	0.12	IVOLCarg
RN-20-05	208.0	0.23	IVOLCtuf
RN-20-05	210.0	0.15	IVOLCtuf
RN-20-05	211.0	0.31	ARGblk
RN-20-05	212.0	0.58	ARGblk
RN-20-05	214.0	0.15	ARGblk
RN-20-05	MS-1	75.40	
RN-20-05	215.0	0.06	ARGblk
RN-20-05	220.0	0.04	ARGblk
RN-20-05	224.0	0.19	IVOLCtuf
RN-20-05	227.0	0.27	IVOLCtuf
RN-20-05	233.0	0.21	IVOLCtuf
RN-20-05	237.0	0.24	IVOLCtuf
RN-20-05	241.0	0.20	IVOLCtuf
RN-20-05	245.0	0.16	IVOLCtuf
RN-20-05	250.0	0.18	IVOLCtuf
RN-20-05	259.0	0.24	IVOLCtuf
RN-20-05	MS-2	0.04	
RN-20-05	266.0	0.17	IVOLCtuf
RN-20-05	272.0	0.31	ARGblk
RN-20-05	276.0	0.20	IVOLCamyg
RN-20-05	279.0	0.19	IVOLCamyg
RN-20-05	282.0	0.20	ALTZN
RN-20-05	288.0	0.17	ALTZN
RN-20-05	292.0	0.16	ALTZN
RN-20-05	297.0	0.33	ALTZN
RN-20-05	302.0	0.19	ALTZN
RN-20-05	306.0	0.24	ALTZN
RN-20-05	311.0	0.21	ALTZN
RN-20-05	MS-4	24.40	
RN-20-05	315.0	0.27	ALTZN

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG	Mag Susc
RN-20-05	March 10 ,2020	25.00	IVOLCarg	295.27	295.26	295.27	185.32	185.33	185.33	2.69	0.04
RN-20-05	March 10 ,2020	42.00	IVOLCtuf	573.67	573.70	573.69	365.66	365.67	365.67	2.76	0.16
RN-20-05	March 10 ,2020	60.00	IVOLCtuf	452.6	452.61	452.61	288.95	288.97	288.96	2.77	0.21
RN-20-05	March 10 ,2020	81.00	IVOLCarg	402.11	402.13	402.12	256.95	256.9	256.93	2.77	0.12
RN-20-05	March 10 ,2020	100.00	IVOLCtuf	330.39	330.37	330.38	210.83	210.83	210.83	2.76	0.20
RN-20-05	March 10 ,2020	112.00	IVOLCtuf	740	740.01	740.01	465.03	464.97	465.00	2.69	0.28
RN-20-05	March 10 ,2020	140.50	IVOLC	453.49	453.49	453.49	294	294.01	294.01	2.84	0.03
RN-20-05	March 10 ,2020	154.50	IVOLC	296.19	296.20	296.20	190.21	190.20	190.21	2.79	0.27
RN-20-05	March 12 ,2020	Weight	82	82.28	82.29	82.29					
RN-20-05	March 12 ,2020	SG-3	Sulphide	80.28	80.29	80.29	62.80	62.83	62.82	4.60	
RN-20-05	March 14 ,2020	172.00	IVOLC	554.47	554.47	554.47	358.86	358.80	358.83	2.83	0.27
RN-20-05	March 14 ,2020	190.00	IVOLCbrec	505.8	505.81	505.81	324.48	324.41	324.45	2.79	0.22
RN-20-05	March 14 ,2020	211.60	ARGblk	405.29	404.26	404.78	260.44	260.43	260.44	2.80	0.31
RN-20-05	March 14 ,2020	227.60	IVOLCtuf	324.63	324.64	324.64	206.40	206.36	206.38	2.75	0.27
RN-20-05	March 15, 2020	236.5	IVOLCtuf	411.47	411.47	411.47	264.12	264.09	264.105	2.79	

Ohaus Scout SIX 1502N/E Balance    Terraplus KT-5 Magnetic Susceptibility Meter



			Oriented Core								
BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment	
RN-20-05	23	20					Argillite beds/bands				
RN-20-05	42.00	20				Weak					
RN-20-05	67.00		10	350			Argillite beds/bands				
RN-20-05	67.50		20	0			Clasts				
RN-20-05	79.00		20	340			Argillite beds/bands				
RN-20-05	82.00	15					Argillite beds/bands				
RN-20-05	88.60	20				Moderate					
RN-20-05	99.50	15				Moderate					
RN-20-05	106.00	20				Moderate					
RN-20-05	120.00	20					Argillite beds/bands				
RN-20-05	138.60	30			Sharp						
RN-20-05	184.80	20			Sharp						
RN-20-05	188.90		45	0							
RN-20-05	192.50	25				Moderate					
RN-20-05	196.00		25	0		Moderate					
RN-20-05	214.50		15	340			Laminations				
RN-20-05	222.00	10				Strong					
RN-20-05	227.00	15					Coarse bed				
RN-20-05	244.00		25	30			Argillite beds				
RN-20-05	262.10		20	340			Argillite beds				
RN-20-05	269.00	20					Argillite beds				
RN-20-05	293.50		15	50			Argillite beds				
RN-20-05	296.00		30	3300				2 cm			
RN-20-05	312.00	70						10 cm			
RN-20-05	312.30		35	330				3 cm			
RN-20-05	314.00		35	320				6 cm			

BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-05	0.0	21.0	CAS					
RN-20-05	21.0	24.0	2.7	2.3		90	85	Good
RN-20-05	24.0	27.0	3.0	2.2		100	73	Fair
RN-20-05	27.0	30.0	2.8	0.4		92	13	Very Poor
RN-20-05	30.0	33.0	1.7	0.7		57	23	Very Poor
RN-20-05	33.0	36.0	1.5	0.3		50	10	Very Poor
RN-20-05	36.0	39.0	2.0	1.2		67	40	Poor
RN-20-05	39.0	42.0	2.9	2.4		97	80	Good
RN-20-05	42.0	45.0	3.0	2.7		100	90	Excellent
RN-20-05	45.0	48.0	3.0	2.8		100	93	Excellent
RN-20-05	48.0	51.0	3.0	2.8		100	93	Excellent
RN-20-05	51.0	54.0	3.0	2.7		100	90	Excellent
RN-20-05	54.0	57.0	3.0	2.2		100	73	Fair
RN-20-05	57.0	60.0	3.0	2.6		100	87	Good
RN-20-05	60.0	63.0	3.0	2.8		100	93	Excellent
RN-20-05	63.0	66.0	3.0	2.9		100	97	Excellent
RN-20-05	66.0	69.0	3.0	2.9		100	97	Excellent
RN-20-05	69.0	72.0	3.0	2.9		100	97	Excellent
RN-20-05	72.0	75.0	3.0	3.0		100	100	Excellent
RN-20-05	75.0	78.0	2.9	2.5		97	83	Good
RN-20-05	78.0	81.0	3.0	2.9		100	97	Excellent
RN-20-05	81.0	84.0	3.0	2.7		100	90	Excellent
RN-20-05	84.0	87.0	3.0	2.8		100	93	Excellent
RN-20-05	87.0	90.0	3.0	3.0		100	100	Excellent
RN-20-05	90.0	93.0	3.0	3.0		100	100	Excellent
RN-20-05	93.0	96.0	3.0	2.8		100	93	Excellent
RN-20-05	96.0	99.0	3.0	2.6		100	87	Good
RN-20-05	99.0	102.0	3.0	2.5		100	83	Good
RN-20-05	102.0	105.0	3.0	3.0		100	100	Excellent
RN-20-05	105.0	108.0	3.0	2.7		100	90	Excellent
RN-20-05	108.0	111.0	3.0	2.8		100	93	Excellent
RN-20-05	111.0	114.0	3.0	2.5		100	83	Good
RN-20-05	114.0	117.0	3.0	2.8		100	93	Excellent

Rock Quality Designation Deere 1963

Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013

RN-20-05	117.0	120.0	3.0	2.7		100	90	Excellent
RN-20-05	120.0	123.0	3.0	2.9		100	97	Excellent
RN-20-05	123.0	126.0	3.0	2.9		100	97	Excellent
RN-20-05	126.0	129.0	3.0	2.9		100	97	Excellent
RN-20-05	129.0	132.0	3.0	2.9		100	97	Excellent
RN-20-05	132.0	135.0	3.0	0.9		100	30	Poor
RN-20-05	135.0	138.0	3.0	2.6		100	87	Good
RN-20-05	138.0	141.0	3.0	3.0		100	100	Excellent
RN-20-05	141.0	144.0	3.0	2.8		100	93	Excellent
RN-20-05	144.0	147.0	3.0	3.0		100	100	Excellent
RN-20-05	147.0	150.0	3.0	3.0		100	100	Excellent
RN-20-05	150.0	153.0	3.0	3.0		100	100	Excellent
RN-20-05	153.0	156.0	3.0	3.0		100	100	Excellent
RN-20-05	156.0	159.0	3.0	2.8		100	93	Excellent
RN-20-05	159.0	162.0	3.0	3.0		100	100	Excellent
RN-20-05	162.0	165.0	3.0	3.0		100	100	Excellent
RN-20-05	165.0	168.0	3.0	2.6		100	87	Good
RN-20-05	168.0	171.0	3.0	2.5		100	83	Good
RN-20-05	171.0	174.0	3.0	2.7		100	90	Excellent
RN-20-05	174.0	177.0	3.0	2.8		100	93	Excellent
RN-20-05	177.0	180.0	3.0	2.8		100	93	Excellent
RN-20-05	180.0	183.0	3.0	2.7		100	90	Excellent
RN-20-05	183.0	186.0	3.0	2.4		100	80	Good
RN-20-05	186.0	189.0	3.0	2.7		100	90	Excellent
RN-20-05	189.0	192.0	3.0	2.4		100	80	Good
RN-20-05	192.0	195.0	3.0	2.6		100	87	Good
RN-20-05	195.0	198.0	3.0	2.7		100	90	Excellent
RN-20-05	198.0	201.0	3.0	2.8		100	93	Excellent
RN-20-05	201.0	204.0	3.0	3.0		100	100	Excellent
RN-20-05	204.0	207.0	3.0	3.0		100	100	Excellent
RN-20-05	207.0	210.0	3.0	2.8		100	93	Excellent
RN-20-05	210.0	213.0	3.0	2.9		100	97	Excellent
RN-20-05	213.0	216.0	3.0	2.9		100	97	Excellent
RN-20-05	216.0	219.0	3.0	3.0		100	100	Excellent

RN-20-05	219.0	222.0	2.9	2.6		97	87	Good
RN-20-05	222.0	225.0	3.0	2.9		100	97	Excellent
RN-20-05	225.0	228.0	3.0	3.0		100	100	Excellent
RN-20-05	228.0	231.0	3.0	2.9		100	97	Excellent
RN-20-05	231.0	234.0	3.0	2.8		100	93	Excellent
RN-20-05	234.0	237.0	3.0	2.8		100	93	Excellent
RN-20-05	237.0	240.0	3.0	3.0		100	100	Excellent
RN-20-05	240.0	243.0	3.0	3.0		100	100	Excellent
RN-20-05	243.0	246.0	3.0	3.0		100	100	Excellent
RN-20-05	246.0	249.0	3.0	3.0		100	100	Excellent
RN-20-05	249.0	252.0	3.0	2.9		100	97	Excellent
RN-20-05	252.0	255.0	3.0	2.8		100	93	Excellent
RN-20-05	255.0	258.0	3.0	2.8		100	93	Excellent
RN-20-05	258.0	261.0	3.0	2.8		100	93	Excellent
RN-20-05	261.0	264.0	3.0	3.0		100	100	Excellent
RN-20-05	264.0	267.0	3.0	3.0		100	100	Excellent
RN-20-05	267.0	270.0	3.0	3.0		100	100	Excellent
RN-20-05	270.0	273.0	3.0	2.0		100	67	Fair
RN-20-05	273.0	276.0	3.0	1.2		100	40	Poor
RN-20-05	276.0	279.0	3.0	2.3		100	77	Good
RN-20-05	279.0	282.0	3.0	2.8		100	93	Excellent
RN-20-05	282.0	285.0	3.0	3.0		100	100	Excellent
RN-20-05	285.0	288.0	3.0	2.9		100	97	Excellent
RN-20-05	288.0	291.0	3.0	2.9		100	97	Excellent
RN-20-05	291.0	294.0	3.0	3.0		100	100	Excellent
RN-20-05	294.0	297.0	3.0	3.0		100	100	Excellent
RN-20-05	297.0	300.0	3.0	3.0		100	100	Excellent
RN-20-05	300.0	303.0	3.0	2.8		100	93	Excellent
RN-20-05	303.0	306.0	3.0	2.9		100	97	Excellent
RN-20-05	306.0	309.0	3.0	2.6		100	87	Good
RN-20-05	309.0	312.0	3.0	2.9		100	97	Excellent
RN-20-05	312.0	315.0	3.0	2.9		100	97	Excellent
RN-20-05	315.0	318.0	3.0	2.9		100	97	Excellent
RN-20-05	318.0	319.5	1.5	1.5		100	100	Excellent

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Comment	Comment	Au-AA23 Au ppm
RN-20-05	W934087	110.0	111.0	1.0		IVOLCtuf		1		W934087	<0.005
RN-20-05	w934088	111.0	112.0	1.0		IVOLCtuf		25		W934088	6.45
RN-20-05	W934089	112.0	113.0	1.0		IVOLCtuf		1		W934089	0.011
RN-20-05	W934090	216.0	217.0	1.0		ARGblk	1			W934090	0.012
RN-20-05	W934091	217.0	218.0	1.0		ARGblk	2	1		W934091	<0.005
RN-20-05	W934092	218.0	219.0	1.0		ARGblk	3	3		W934092	0.014
RN-20-05	W934093	219.0	220.0	1.0		ARGblk	5	10		W934093	0.012
RN-20-05	W934094				Blank					W934094	<0.005
RN-20-05	W934095	220.0	221.0	1.0		ARGblk	3	20		W934095	0.051
RN-20-05	W934096	221.0	222.0	1.0		ARGblk	5	1		W934096	0.013
RN-20-05	W934097	222.0	223.0	1.0		ARGblk	3	10		W934097	0.022
RN-20-05	W934098	223.0	223.8	0.8		ARGblk	3			W934098	0.01
RN-20-05	W934099	223.8	225.0	1.2		IVOLCtuf	3			W934099	0.017
RN-20-05	W934100	280.0	281.0	1.0		ALTZN		1		W934100	<0.005
RN-20-05	W934101	281.0	282.0	1.0		ALTZN		3		W934101	<0.005
RN-20-05	W934102	282.0	283.0	1.0		ALTZN		2		W934102	0.018
RN-20-05	W934103	283.0	284.0	1.0		ALTZN		5		W934103	0.067
RN-20-05	W934104				OREAS 223					W934104	1.77
RN-20-05	W934105	284.0	285.0	1.0		ALTZN		15		W934105	0.036
RN-20-05	W934106	285.0	286.0	1.0		ALTZN		1		W934106	0.008
RN-20-05	W934107	286.0	287.0	1.0		ALTZN		1		W934107	<0.005
RN-20-05	W934108	287.0	288.0	1.0		ALTZN		1		W934108	<0.005
RN-20-05	W934109	288.0	289.0	1.0		ALTZN		2		W934109	0.018
RN-20-05	W934110	289.0	290.0	1.0		ALTZN		5		W934110	<0.005
RN-20-05	W934111				Blank					W934111	<0.005
RN-20-05	W934112	290.0	291.0	1.0		ALTZN		5		W934112	0.114
RN-20-05	W934113	291.0	292.0	1.0		ALTZN				W934113	0.007
RN-20-05	W934114	292.0	293.0	1.0		ALTZN		5		W934114	0.036
RN-20-05	W934115	293.0	294.0	1.0		ALTZN		7		W934115	0.039
RN-20-05	W934116	294.0	295.0	1.0		ALTZN		5		W934116	0.022
RN-20-05	W934117	295.0	296.0	1.0		ALTZN		20		W934117	2.23
RN-20-05	W934118	296.0	297.0	1.0		ALTZN		15		W934118	0.338

RN-20-05	W934119	297.0	298.0	1.0		ALTZN		15		W934119	0.07
RN-20-05	W934120	298.0	299.0	1.0		ALTZN		10		W934120	0.043
RN-20-05	W934121	299.0	300.0	1.0		ALTZN		1		W934121	0.005
RN-20-05	W934122	300.0	301.0	1.0		ALTZN	3	20		W934122	0.52
RN-20-05	W934123	301.0	302.0	1.0		ALTZN		5		W934123	0.006
RN-20-05	W934124	302.0	303.0	1.0		ALTZN		3		W934124	0.013
RN-20-05	W934125	303.0	304.0	1.0		ALTZN		1		W934125	0.015
RN-20-05	W934126	304.0	305.0	1.0		ALTZN		1		W934126	0.017
RN-20-05	W934127				OREAS 219					W934127	0.765
RN-20-05	W934128	305.0	306.0	1.0		ALTZN		5		W934128	0.152
RN-20-05	W934129	306.0	307.0	1.0		ALTZN		3		W934129	0.021
RN-20-05	W934130	307.0	308.0	1.0		ALTZN				W934130	0.04
RN-20-05	W934131	308.0	309.0	1.0		ALTZN		1		W934131	0.018
RN-20-05	W934132	309.0	310.0	1.0		ALTZN		3		W934132	0.025
RN-20-05	W934133	310.0	311.0	1.0		ALTZN		5		W934133	0.012
RN-20-05	W934134	311.0	312.0	1.0		ALTZN		1		W934134	0.011
RN-20-05	W934135	312.0	313.0	1.0		ALTZN		3		W934135	0.55
RN-20-05	W934136	313.0	314.0	1.0		ALTZN		15		W934136	0.578
RN-20-05	W934137	314.0	315.0	1.0		ALTZN		10		W934137	0.124
RN-20-05	W934138				Blank					W934138	<0.005
RN-20-05	W934139	315.0	316.0	1.0		ALTZN		3		W934139	0.106
RN-20-05	W934140	316.0	317.0	1.0		ALTZN		1		W934140	0.017
RN-20-05	W934141	317.0	318.0	1.0		ALTZN				W934141	<0.005
RN-20-05	W934142	318.0	319.5	1.5		ALTZN				W934142	<0.005

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-06</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365673	5303615	391	25	-45	175.50
<b>Purpose</b>	Test south dip to the alteration/mineralized zones							
<b>Explanation</b>	Good interval of alteration and veining, 2 - 8mm clots of VG @130.6m in 2 cm qtz vein							
<b>Start date</b>	March 14, 2020							
<b>End date</b>	March 16, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	19 m casing left in ground	<b>Capping</b>	Metal Cap					
<b>Artesian Y/N</b>	No							
<b>Water Source</b>	Small pond 75 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 17, 2020	<b>Assays Added</b>	April 12, 2020					
<b>Comments</b>	APS used to set drill							
<b>Comments</b>	37 Boxes core							

## Comments



BHID	Depth	Az	Declin (-09)	Dip	Mag Field	Mag Susc	Use Az	Use Dip	Comments
RN-20-06	0	25	25.0	-45.0			Y	Y	As spotted in field.
RN-20-06	24.0	31.5	22.5	-46.0	55372		Y	Y	
RN-20-06	51.0	31.0	22.0	-44.6	55127		Y	Y	
RN-20-06	102.0	30.6	21.6	-43.1	55047		Y	Y	
RN-20-06	153.0	31.1	22.1	-43.0	55030		Y	Y	

BHID	From	To	Litho	Comment
RN-20-06	0	17.20	CAS	CASING-Overburden
RN-20-06	17.20	42.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Light buff color with altered sericite bands, widely spaced narrow. Angular lapilli sized fragments.  29.6 -29.80 Qtz carb vein in weak altered Lap tuf. 37.0 - 41.0 Fine grained argillite interbeds
RN-20-06	42.00	47.50	ALTZN	Alteration Zone - Light green fine weakly foliated. Weak sericite and carbonate acid fizz. 5-10% white to grey quartz veins with 3-5% py brown py and light yellow py.
RN-20-06	47.50	63.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Light green fine grained weakly foliated. Light buff color with altered sericite bands, widely spaced narrow. Angular lapilli sized fragments. 53.00-63.00 3-5% qtz veins cross cutting foliation at 80 deg to CA
RN-20-06	63.00	79.90	IVOLCarg	Intermediate Volcanic argillite- Weak alteration Light buff color with distinct white to light fine beds laminations. Local disrupted beds. Sharp abrupt upper contact. 63.0-77.5 3-5% qtz veins 65.5 - 66.5 40% qtz veins1-3% py 75.5 - 76.0 3-5% Quartz veins
RN-20-06	79.90	90.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Green groundmass with hazy soft outlines patches of lap tuffs altered sericite bands, widely spaced narrow. Angular lapilli sized fragments.
RN-20-06	90.00	96.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Light green fine grained weakly foliated. Light buff color with altered sericite bands, widely spaced narrow. Angular lapilli sized fragments.
RN-20-06	96.00	102.00	ALTZN	Alteration Zone - Light green fine weakly foliated. Weak sericite and carbonate acid fizz. 3-5% qtz veins 1 cm wide
RN-20-06	102.00	106.20	ALTZN	Alteration Zone - Strong foliation fabric strong sericite and carbonate acid fizz. 103.5 - 104.3 10% quartz veins sericite 1-3% py

RN-20-06	106.20	112.60	ALTZN	Alteration Zone - Lapilli Tuff texture with 7-10% qtz veins. Veins iregular and brecciated. 1-3% py
RN-20-06	112.60	121.00	ALTZN	Alteration Zone - Weak moderate alteration of Lapilli Tuff, with local sericite bands stringers. 1% qtz veins 1 cm wide.
RN-20-06	121.00	128.70	ALTZN	Alteration Zone - Strong section of altered lapilli tuff and argillite with 5-10% qtz veins up to 40 cmwide. 125.2-126.5 50% qtz veins with 1-3% py. Lapilli fragments white, rounded soft hazy outlines, similar appearance to amygdules.
RN-20-06	128.70	133.00	ALTZN	Alteration Zone - Strong yellow sericite quartz altertion, strong foliation. Local brecciated intervals Quartz veins 10-15% brecciated and crosscutting. Alteration decreses down uniti. 130.6 2cm wide qtz vein at 80 deg to CA, two 8mm clots of coarse visible gold clusters on opposite sides of core.
RN-20-06	133.00	156.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Green groundmass fine tuff. 140.0-142.0 1% qtz veins. 148.0-150.0 25 qtz veins white brecciated. 156.6-157.0 Narrow fine argillite bed.
RN-20-06	156.60	171.40	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Coarse fragmental texture with green soft hazy outlines, patchy texture. 164.0-169.0 - 1% qtz veins 80 deg to CA.
RN-20-06	171.40	173.70	ARGblk	Argillite Black - Dark black fine grained laminated argillite. Not graphitic, not black smudge.
RN-20-06	173.70	175.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Green groundmass fine tuff.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygduloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

Terraplus KT-5 Magnetic Susceptibility Meter

BHID	Depth	MS	Lith
RN-20-06	21.0	0.17	IVOLCtuf
RN-20-06	25.0	0.12	IVOLCtuf
RN-20-06	28.0	0.20	IVOLCtuf
RN-20-06	30.0	0.06	IVOLCtuf
RN-20-06	34.0	0.12	IVOLCtuf
RN-20-06	38.0	0.10	IVOLCtuf
RN-20-06	50.0	0.14	IVOLCtuf
RN-20-06	55.0	0.10	IVOLCtuf
RN-20-06	MS-2	0.04	
RN-20-06	63.0	0.07	IVOLCtuf
RN-20-06	68.0	0.09	IVOLCarg
RN-20-06	74.0	0.10	IVOLCarg
RN-20-06	80.0	0.03	IVOLCtuf
RN-20-06	86.0	0.15	IVOLCtuf
RN-20-06	90.0	0.19	IVOLCtuf
RN-20-06	96.0	0.11	IVOLCtuf
RN-20-06	103.0	0.11	ALTZN
RN-20-06	109.0	0.19	ALTZN
RN-20-06	116.0	0.05	ALTZN
RN-20-06	117.0	0.08	ALTZN
RN-20-06	118.0	0.10	ALTZN
RN-20-06	121.0	0.10	ALTZN
RN-20-06	MS-4	24.30	
RN-20-06	122.0	0.08	ALTZN
RN-20-06	123.5	0.05	ALTZN
RN-20-06	124.0	0.11	ALTZN
RN-20-06	126.0	0.09	ALTZN
RN-20-06	130.0	0.00	ALTZN
RN-20-06	130.5	0.09	ALTZN
RN-20-06	132.0	0.15	ALTZN
RN-20-06	134.0	0.10	IVOLCtuf
RN-20-06	135.5	0.14	IVOLCtuf
RN-20-06	138.0	0.11	IVOLCtuf
RN-20-06	156.0	0.14	IVOLCtuf
RN-20-06	161.0	0.10	IVOLCtuf
RN-20-06	164.0	0.07	IVOLCtuf
RN-20-06	168.0	0.11	IVOLCtuf
RN-20-06	171.0	0.08	IVOLCtuf
RN-20-06	173.0	0.68	ARGblk
RN-20-06	174.0	0.15	IVOLCtuf

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG	Mag Susc
RN-20-06	March 17 ,2020	Weight	12.00	12.00	12.00	12.00			0.00		
RN-20-06	March 17 ,2020	SG-1	Jasper	366.9	366.90	366.90	231.87	231.86	231.87	2.72	
RN-20-06	March 17 ,2020	62.00	IVOLCtuf	192.58	192.61	192.60	121.11	121.11	121.11	2.69	0.07
RN-20-06	March 17 ,2020	84.00	IVOLCtuf	475.17	475.17	475.17	300.14	300.16	300.15	2.71	0.15
RN-20-06	March 17 ,2020	101.00	ALTZN	441.84	441.86	441.85	278.45	278.41	278.43	2.70	0.11
RN-20-06	March 17 ,2020	111.50	ALTZN	483.21	483.19	483.20	303.89	303.89	303.89	2.69	0.19
RN-20-06	March 17 ,2020	129.00	ALTZN	413.3	413.30	413.30	261.18	261.16	261.17	2.72	0.01
RN-20-06	March 17 ,2020	130.60	ALTZN	617.26	617.25	617.26	392.08	392.03	392.06	2.74	0.15
RN-20-06	March 17 ,2020	162.00	IVOLCtuf	412.38	412.38	412.38	262.14	262.13	262.135	2.74	0.07

*Ohaus Scout SIX 1502N/E Balance    Terraplus KT-5 Magnetic Susceptibility Meter*

			Oriented Core							
BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment
RN-20-06	20.5	15					Argillite Bands/Beds			
RN-20-06	27.60	40					Banding			
RN-20-06	34.00	40				Weak				
RN-20-06	39.00	20					Banding			
RN-20-06	43.50	30					Lapilli clasts			
RN-20-06	49.50	40					Banding			
RN-20-06	57.60	75						2 cm		Crosscutting
RN-20-06	57.70	70						7 cm		Crosscutting
RN-20-06	58.00	70						2 cm		Crosscutting
RN-20-06	61.00	35				Weak				
RN-20-06	64.60	40						15 cm		
RN-20-06	69.00	70						2 cm		
RN-20-06	75.00	40					Laminations			
RN-20-06	76.00	85						20 cm		
RN-20-06	85.50	30				Weak				
RN-20-06	90.50	40				Weak				
RN-20-06	97.50	30				Mod				
RN-20-06	99.50	50						1 cm		Parallel foliation
RN-20-06	103.50	60						1 cm		Parallel foliation
RN-20-06	104.00	55				Strong				Sericite Schist
RN-20-06	109.50	80						10 cm		
RN-20-06	115.00	55				Moderate				
RN-20-06	125.40	60						1 cm		
RN-20-06	126.00	55				Moderate				
RN-20-06	126.40	60						5 cm		
RN-20-06	129.00	60				Strong				
RN-20-06	129.70	60						15 cm		
RN-20-06	130.70	80						2 cm		two 8mm clusters VG
RN-20-06	131.00	80						1 cm		
RN-20-06	132.00	45				Moderate				
RN-20-06	138.40	35				Weak				
RN-20-06	156.00		55	0		Moderate				

RN-20-06	160.00	40					Lapilli clasts			
RN-20-06	169.00	50				Moderate				
RN-20-06	173.00	40					Argillite Bands/Beds			



BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-06	0.0	17.2	CAS					
RN-20-06	17.2	18.0	1.8	1.6		60	100	Excellent
RN-20-06	18.0	21.0	3.0	2.9		100	97	Excellent
RN-20-06	21.0	24.0	3.0	2.8		100	93	Excellent
RN-20-06	24.0	27.0	3.0	2.8		100	93	Excellent
RN-20-06	27.0	30.0	3.0	3.0		100	100	Excellent
RN-20-06	30.0	33.0	3.0	2.7		100	90	Excellent
RN-20-06	33.0	36.0	3.0	2.8		100	93	Excellent
RN-20-06	36.0	39.0	3.0	2.8		100	93	Excellent
RN-20-06	39.0	42.0	3.0	2.4		100	80	Good
RN-20-06	42.0	45.0	3.0	2.6		100	87	Good
RN-20-06	45.0	48.0	3.0	2.3		100	77	Good
RN-20-06	48.0	51.0	3.0	2.1		100	70	Fair
RN-20-06	51.0	54.0	3.0	2.8		100	93	Excellent
RN-20-06	54.0	57.0	3.0	3.0		100	100	Excellent
RN-20-06	57.0	60.0	3.0	3.0		100	100	Excellent
RN-20-06	60.0	63.0	3.0	2.8		100	93	Excellent
RN-20-06	63.0	66.0	3.0	2.7		100	90	Excellent
RN-20-06	66.0	69.0	3.0	2.8		100	93	Excellent
RN-20-06	69.0	72.0	2.9	2.8		97	93	Excellent
RN-20-06	72.0	75.0	3.0	2.8		100	93	Excellent
RN-20-06	75.0	78.0	3.0	3.0		100	100	Excellent
RN-20-06	78.0	81.0	3.0	2.7		100	90	Excellent
RN-20-06	81.0	84.0	3.0	3.0		100	100	Excellent
RN-20-06	84.0	87.0	3.0	3.0		100	100	Excellent
RN-20-06	87.0	90.0	3.0	2.9		100	97	Excellent
RN-20-06	90.0	93.0	3.0	3.0		100	100	Excellent
RN-20-06	93.0	96.0	3.0	3.0		100	100	Excellent
RN-20-06	96.0	99.0	3.0	2.8		100	93	Excellent
RN-20-06	99.0	102.0	3.0	2.7		100	90	Excellent
RN-20-06	102.0	105.0	3.0	2.4		100	80	Good
RN-20-06	105.0	108.0	3.0	2.8		100	93	Excellent
RN-20-06	108.0	111.0	3.0	2.1		100	70	Fair

*Rock Quality Designation Deere 1963*

*Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013*

RN-20-06	111.0	114.0	2.9	1.8		97	60	Fair
RN-20-06	114.0	117.0	3.0	2.1		100	70	Fair
RN-20-06	117.0	120.0	3.0	2.2		100	73	Fair
RN-20-06	120.0	123.0	3.0	2.7		100	90	Excellent
RN-20-06	123.0	126.0	3.0	2.8		100	93	Excellent
RN-20-06	126.0	129.0	3.0	2.8		100	93	Excellent
RN-20-06	129.0	132.0	3.0	2.6		100	87	Good
RN-20-06	132.0	135.0	3.0	2.7		100	90	Excellent
RN-20-06	135.0	138.0	3.0	2.9		100	97	Excellent
RN-20-06	138.0	141.0	3.0	3.0		100	100	Excellent
RN-20-06	141.0	144.0	3.0	3.0		100	100	Excellent
RN-20-06	144.0	147.0	3.0	2.8		100	93	Excellent
RN-20-06	147.0	150.0	3.0	2.7		100	90	Excellent
RN-20-06	150.0	153.0	3.0	2.8		100	93	Excellent
RN-20-06	153.0	156.0	3.0	2.8		100	93	Excellent
RN-20-06	156.0	159.0	3.0	2.6		100	87	Good
RN-20-06	159.0	162.0	3.0	3.0		100	100	Excellent
RN-20-06	162.0	165.0	3.0	2.9		100	97	Excellent
RN-20-06	165.0	168.0	3.0	2.7		100	90	Excellent
RN-20-06	168.0	171.0	3.0	2.6		100	87	Good
RN-20-06	171.0	174.0	3.0	2.0		100	67	Fair
RN-20-06	174.0	175.5	1.5	1.4		100	93	Excellent

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Comment	Comment	Au-AA23 Au ppm
RN-20-06	W934143	28.5	29.5	1.0		IVOLCtuf		1		W934143	0.013
RN-20-06	W934144	29.5	30.0	0.5		IVOLCtuf				W934144	3.37
RN-20-06	W934145	30.0	31.0	1.0		IVOLCtuf		1		W934145	0.005
RN-20-06	W934146	42.0	43.0	1.0		ALTZN		2		W934146	0.025
RN-20-06	W934147	43.0	44.0	1.0		ALTZN				W934147	0.008
RN-20-06	W934148	44.0	45.0	1.0		ALTZN		2		W934148	0.026
RN-20-06	W934149	45.0	46.0	1.0		ALTZN		15		W934149	0.103
RN-20-06	W934150				Blank					W934150	0.008
RN-20-06	W934151	46.0	47.5	1.5		ALTZN				W934151	0.1
RN-20-06	W934152	47.5	48.5	1.0		IVOLCtuf				W934152	<0.005
RN-20-06	W934153	53.0	54.0	1.0		IVOLCtuf		3		W934153	0.055
RN-20-06	W934154	54.0	55.0	1.0		IVOLCtuf				W934154	0.005
RN-20-06	W934155	55.0	56.0	1.0		IVOLCtuf		1		W934155	<0.005
RN-20-06	W934156	56.0	57.0	1.0		IVOLCtuf		2		W934156	0.168
RN-20-06	W934157				OREAS 219					W934157	0.771
RN-20-06	W934158	57.0	58.0	1.0		IVOLCtuf		5		W934158	0.027
RN-20-06	W934159	58.0	59.0	1.0		IVOLCtuf		3		W934159	0.021
RN-20-06	W934160	59.0	60.0	1.0		IVOLCtuf				W934160	<0.005
RN-20-06	W934161	60.0	61.0	1.0		IVOLCtuf		1		W934161	0.247
RN-20-06	W934162	61.0	62.0	1.0		IVOLCtuf		1		W934162	<0.005
RN-20-06	W934163	62.0	63.0	1.0		IVOLCtuf		1		W934163	0.208
RN-20-06	W934164	63.0	64.0	1.0		IVOLCarg		1		W934164	0.029
RN-20-06	W934165	64.0	65.0	1.0		IVOLCarg		3		W934165	0.199
RN-20-06	W934166	65.0	66.0	1.0		IVOLCarg	3	25		W934166	0.544
RN-20-06	W934167	66.0	67.0	1.0		IVOLCarg	1.0	25		W934167	0.39
RN-20-06	W934168	67.0	68.0	1.0		IVOLCarg		1		W934168	0.063
RN-20-06	W934169				Blank					W934169	0.005
RN-20-06	W934170	68.0	69.0	1.0		IVOLCarg				W934170	0.013
RN-20-06	W934171	69.0	70.0	1.0		IVOLCarg		1		W934171	0.017
RN-20-06	W934172	70.0	71.0	1.0		IVOLCarg		2		W934172	0.04
RN-20-06	W934173	71.0	72.0	1.0		IVOLCarg				W934173	<0.005
RN-20-06	W934174	72.0	73.0	1.0		IVOLCarg		2		W934174	0.019

RN-20-06	W934175	73.0	74.0	1.0		IVOLCarg				W934175	<0.005
RN-20-06	W934176	74.0	75.0	1.0		IVOLCarg				W934176	0.005
RN-20-06	W934177	75.0	76.0	1.0		IVOLCarg	3	25		W934177	0.407
RN-20-06	W934178	76.0	77.0	1.0		IVOLCarg	3	15		W934178	0.313
RN-20-06	W934179	77.0	78.0	1.0		IVOLCarg		2		W934179	0.039
RN-20-06	W934180	78.0	79.0	1.0		IVOLCarg		1		W934180	0.022
RN-20-06	W934181	79.0	79.9	0.9		IVOLCarg				W934181	0.038
RN-20-06	W934182	90.0	91.0	1.0		IVOLCtuf		2		W934182	<0.005
RN-20-06	W934183	91.0	92.0	1.0		IVOLCtuf		1		W934183	0.108
RN-20-06	W934184	92.0	93.0	1.0		IVOLCtuf		1		W934184	0.045
RN-20-06	W934185	93.0	94.0	1.0		IVOLCtuf		3		W934185	<0.005
RN-20-06	W934186	94.0	95.0	1.0		IVOLCtuf		1		W934186	<0.005
RN-20-06	W934187	95.0	96.0	1.0		IVOLCtuf		2		W934187	<0.005
RN-20-06	W934188	96.0	97.0	1.0		ALTZN				W934188	<0.005
RN-20-06	W934189	97.0	98.0	1.0		ALTZN				W934189	0.37
RN-20-06	W934190	98.0	99.0	1.0		ALTZN		3		W934190	0.161
RN-20-06	W934191				Blank					W934191	<0.005
RN-20-06	W934192	99.0	100.0	1.0		ALTZN		3		W934192	0.029
RN-20-06	W934193	100.0	101.0	1.0		ALTZN		3		W934193	0.049
RN-20-06	W934194	101.0	102.0	1.0		ALTZN		5		W934194	0.02
RN-20-06	W934195				OREAS 223					W934195	1.765
RN-20-06	W934196	102.0	103.0	1.0		ALTZN		7		W934196	0.243
RN-20-06	W934197	103.0	104.0	1.0		ALTZN		15		W934197	0.176
RN-20-06	W934198	104.0	105.0	1.0		ALTZN		5		W934198	0.007
RN-20-06	W934199	105.0	106.2	1.2		ALTZN		3		W934199	0.023
RN-20-06	W934200	106.2	107.0	0.8		ALTZN		5		W934200	0.074
RN-20-06	W934201	107.0	108.0	1.0		ALTZN		3		W934201	0.009
RN-20-06	W934202	108.0	109.0	1.0		ALTZN		3		W934202	0.026
RN-20-06	W934203	109.0	110.0	1.0		ALTZN		5		W934203	0.013
RN-20-06	W934204	110.0	111.0	1.0		ALTZN	3	50		W934204	0.024
RN-20-06	W934205	111.0	112.0	1.0		ALTZN	2	25		W934205	0.021
RN-20-06	W934206	112.0	112.6	0.6		ALTZN		1		W934206	0.03
RN-20-06	W934207	112.6	113.5	0.9		ALTZN		1		W934207	0.008
RN-20-06	W934208	113.5	114.5	1.0		ALTZN				W934208	0.008

RN-20-06	W934209	114.5	115.5	1.0		ALTZN		3		W934209	0.005
RN-20-06	W934210	115.5	116.5	1.0		ALTZN		1		W934210	<0.005
RN-20-06	W934211	116.5	117.5	1.0		ALTZN		2		W934211	<0.005
RN-20-06	W934212	117.5	118.5	1.0		ALTZN		5		W934212	<0.005
RN-20-06	W934213	118.5	119.5	1.0		ALTZN		3		W934213	0.017
RN-20-06	W934214				Blank					W934214	<0.005
RN-20-06	W934215	119.5	121.0	1.5		ALTZN		1		W934215	0.093
RN-20-06	W934216	121.0	122.0	1.0		ALTZN		3		W934216	0.16
RN-20-06	W934217	122.0	123.0	1.0		ALTZN		1		W934217	0.006
RN-20-06	W934218	123.0	124.0	1.0		ALTZN		3		W934218	0.009
RN-20-06	W934219				OREAS 219					W934219	0.765
RN-20-06	W934220	124.0	125.0	1.0		ALTZN		3		W934220	0.045
RN-20-06	W934221	125.0	126.0	1.0		ALTZN	3	50		W934221	2.93
RN-20-06	W934222	126.0	127.0	1.0		ALTZN	1	10		W934222	0.943
RN-20-06	W934223	127.0	128.0	1.0		ALTZN		1		W934223	0.05
RN-20-06	W934224	128.0	128.7	0.7		ALTZN		3	Sericite	W934224	0.047
RN-20-06	W934225	128.7	129.5	0.8		ALTZN	3	10	Sericite	W934225	0.655
RN-20-06	W934226	129.5	130.0	0.5		ALTZN	5	75	Sericite	W934226	0.723
RN-20-06	W934227	130.0	130.5	0.5		ALTZN	1	15		W934227	0.116
RN-20-06	W934228	130.5	131.0	0.5		ALTZN		20	2 8mm clots of VG		326.00
RN-20-06	W934229	131.0	131.5	0.5		ALTZN		10		W934229	0.046
RN-20-06	W934230	131.5	132.0	0.5		ALTZN		3		W934230	0.013
RN-20-06	W934231	132.0	133.0	1.0		ALTZN				W934231	0.008
RN-20-06	W934232				Blank					W934232	<0.005
RN-20-06	W934233	133.0	134.0	1.0		IVOLCtuf				W934233	<0.005
RN-20-06	W934234	134.0	135.0	1.0		IVOLCtuf				W934234	<0.005
RN-20-06	W934235	135.0	136.0	1.0		IVOLCtuf				W934235	0.005
RN-20-06	W934236	136.0	137.0	1.0		IVOLCtuf				W934236	0.007
RN-20-06	W934237	145.0	146.0	1.0		IVOLCtuf				W934237	0.005
RN-20-06	W934238				OREAS 219					W934238	0.781
RN-20-06	W934239	146.0	147.0	1.0		IVOLCtuf				W934239	<0.005
RN-20-06	W934240	147.0	148.0	1.0		IVOLCtuf		1		W934240	0.025
RN-20-06	W934241	148.0	149.0	1.0		IVOLCtuf	2	75		W934241	3.76
RN-20-06	W934242	149.0	150.0	1.0		IVOLCtuf		3		W934242	0.022

RN-20-06	W934243	150.0	151.0	1.0		IVOLCtuf		1		W934243	<0.005
RN-20-06	W934244	151.0	152.0	1.0		IVOLCtuf		1		W934244	0.039
RN-20-06	W934245	152.0	153.0	1.0		IVOLCtuf		1		W934245	<0.005
RN-20-06	W934246	164.0	165.0	1.0		IVOLCtuf		2		W934246	0.01
RN-20-06	W934247				Blank					W934247	<0.005
RN-20-06	W934248	165.0	166.0	1.0		IVOLCtuf				W934248	<0.005
RN-20-06	W934249	166.0	167.0	1.0		IVOLCtuf		2		W934249	0.008
RN-20-06	W934250	167.0	168.0	1.0		IVOLCtuf		3		W934250	0.019
RN-20-06	W934251	168.0	169.0	1.0		IVOLCtuf		2		W934251	0.009

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-07</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365731	5303580	391	30	-45	237.00
<b>Purpose</b>	Test south dip to the alteration/mineralized zones							
<b>Explanation</b>	Multiple zones of alteration and qtz veining							
<b>Start date</b>	March 16, 2020							
<b>End date</b>	March 19, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	19 m casing left in ground	<b>Capping</b>	Metal Cap					
<b>Artesian Y/N</b>	No							
<b>Water Source</b>	Small pond 25 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 24, 2020	<b>Assays Added</b>	20-Apr-20					
<b>Comments</b>	APS used to set drill							
<b>Comments</b>	49 boxes of core							

## Comments



BHID	Depth	Az	Declin (-09)	Dip	Mag Field	Mag Susc	Use Az	Use Dip	Comments
RN-20-07	0	30	30.0	-45.0			Y	Y	As spotted in field.
RN-20-07	39.0	39.7	30.7	-48.0	55838	0.38	Y	Y	
RN-20-07	51.0	40.1	31.1	-47.7	55775	0.11	Y	Y	
RN-20-07	101.0	41.3	32.3	-46.2	55694	0.11	Y	Y	
RN-20-07	150.0	42.6	33.6	-45.0	55832	0.13	Y	Y	
RN-20-07	201.0	44.5	35.5	-44.4	55553	0.17	Y	Y	

BHID	From	To	Litho	Comment
RN-20-07	0	27.50	CAS	CASING-Overburden
RN-20-07	27.50	35.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Light buff color with altered sericite bands, widely spaced narrow. Distinct 1-2 cm angular lapilli sized fragments. Distinct bands/beds of coarser material
RN-20-07	35.00	40.00	ALTZN	Alteration Zone - Lapilli Tuff with weak to nil alteration but 5-15% qtz veins. Veins up to 25 cm wide cross cutting foliation. 1-3% py tr po. 38.5-39 BBC
RN-20-07	40.00	67.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Light green fine grained weakly foliated. Light buff color with altered sericite bands, widely spaced narrow. Angular lapilli sized fragments 1-2cm. 61.3-61.6 50% qtz veins
RN-20-07	67.60	79.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Coarser grained than previous unit with sharp contact. Patchy hazy green appearance. H >5.5 76.8-77.0 Qtz Vein 77.2-77.4 Qtz Vein
RN-20-07	79.50	87.00	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-07	87.00	97.60	ALTZN	Alteration Zone - Light green fine weakly foliated. Weak sericite and carbonate acid fizz. 5-7 % qtz veins 1 cm wide 91.0-93.8 Strong foliation sericite snf fault breccia, 10-15% veins.
RN-20-07	97.60	112.00	ALTZN	Alteration Zone - Weakly altered lapilli tuff with mottled patchy texture, distinct clasts. Weak foliation. 1-3% quartz veins.
RN-20-07	112.00	122.00	ALTZN	Alteration Zone - Strong alteration of lapilli tuff, light buff sericite 10-15% qtz veins. Veins cross cutting and parallel to foliation. Minor carb fizz.
RN-20-07	122.00	128.80	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Light buff color with altered sericite bands, widely spaced narrow. Distinct 1-2 mm white angular feldspar fragments. Distinct bands/beds of coarser material
RN-20-07	128.80	133.00	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture. 131.5-131.8 lighter yellow fine bands.
RN-20-07	133.00	135.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Light buff color with altered sericite bands, widely spaced narrow. Distinct 1-2 mm white angular feldspar fragments.
RN-20-07	135.00	138.00	ALTZN	Alteration Zone - Lapilli tuff with weak alteration, 1-3% qtz veins. Veins cross cutting and parallel to foliation. Minor carb fizz.

RN-20-07	138.00	148.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Distinct 1-2 mm white angular feldspar fragments.
RN-20-07	148.50	152.00	ALTZN	Alteration Zone - Lapilli tuff with light sericite alteration , 5-7% qtz veins up to 20cm. Veins cross cutting and parallel to foliation. Minor carb fizz.
RN-20-07	152.00	171.50	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-07	171.50	174.10	ALTZN	Alteration Zone - Lapilli tuff with light sericite alteration , 3-5% qtz veins up to 20cm. Veins cross cutting and parallel to foliation. Minor carb fizz. Sericite alteration possible fine tourmaline in veins.
RN-20-07	174.10	186.00	ALTZN	Alteration Zone - Lapilli tuff with light sericite alteration , 1-3% qtz veins up to 20cm. Veins cross cutting and parallel to foliation. Minor carb fizz.
RN-20-07	186.00	191.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Distinct 1-2 mm white angular feldspar fragments.
RN-20-07	191.50	196.00	ALTZN	Alteration Zone - Lapilli tuff with light sericite alteration , 5-7 % qtz veins up to 20cm. Veins cross cutting and parallel to foliation. Minor carb fizz.
RN-20-07	196.00	202.00	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-07	202.00	209.40	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. 1% cross cutting veins. Distinct 1-2 mm white angular feldspar fragments.
RN-20-07	209.40	216.10	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-07	216.10	224.30	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. 1% cross cutting veins. Distinct 1-2 mm white angular feldspar fragments.
RN-20-07	224.30	229.00	LAMPDIKE	Lamprophyre Dike - Dark black fine to medium grained. Sharp upper and lower chilled contacts.
RN-20-07	229.00	231.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Distinct 1-2 mm white angular feldspar fragments.
RN-20-07	231.00	235.00	ALTZN	Alteration Zone - Lapilli tuff with light sericite alteration , 2-3 % qtz veins up to 20cm. Veins cross cutting and parallel to foliation. Minor carb fizz.
RN-20-07	235.00	237.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Distinct 1-2 mm white angular feldspar fragments.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygduloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

*Terraplus KT-5 Magnetic Susceptibility Meter*

<b>BHID</b>	<b>Depth</b>	<b>MS</b>	<b>Lith</b>
RN-20-07	28.0	0.07	IVOLCtuf
RN-20-07	32.0	0.14	IVOLCtuf
RN-20-07	35.0	0.18	IVOLCtuf
RN-20-07	39.0	0.38	ALTZN
RN-20-07	42.0	0.38	IVOLCtuf
RN-20-07	43.5	0.19	IVOLCtuf
RN-20-07	48.0	0.13	IVOLCtuf
RN-20-07	MS-2	0.05	
RN-20-07	51.0	0.11	IVOLCtuf
RN-20-07	56.0	0.15	IVOLCtuf
RN-20-07	59.0	0.13	IVOLCtuf
RN-20-07	61.0	0.12	IVOLCtuf
RN-20-07	63.0	0.14	IVOLCtuf
RN-20-07	66.5	0.14	IVOLCtuf
RN-20-07	72.0	0.08	IVOLCtuf
RN-20-07	75.0	0.08	IVOLCtuf
RN-20-07	78.0	0.12	IVOLCtuf
RN-20-07	82.0	0.11	IVOLCarg
RN-20-07	85.0	0.13	IVOLCarg
RN-20-07	87.5	0.11	IVOLCarg
RN-20-07	89.0	0.11	ALTZN
RN-20-07	92.0	0.09	ALTZN
RN-20-07	MS-4	23.80	
RN-20-07	94.5	0.11	ALTZN
RN-20-07	99.0	0.07	ALTZN
RN-20-07	102.0	0.10	ALTZN
RN-20-07	105.0	0.09	ALTZN
RN-20-07	108.0	0.10	ALTZN
RN-20-07	112.5	0.13	ALTZN
RN-20-07	117.0	0.07	ALTZN
RN-20-07	121.0	0.09	ALTZN
RN-20-07	126.0	0.12	IVOLCtuf
RN-20-07	128.5	0.16	IVOLCtuf
RN-20-07	130.0	0.11	IVOLCarg
RN-20-07	136.0	0.00	ALTZN
RN-20-07	142.0	0.09	IVOLCtuf
RN-20-07	MS-3	1.14	
RN-20-07	144.0	0.11	IVOLCtuf
RN-20-07	151.0	0.13	ALTZN
RN-20-07	155.0	0.08	IVOLCarg
RN-20-07	163.0	0.12	IVOLCarg
RN-20-07	169.0	0.12	IVOLCarg
RN-20-07	173.0	0.00	ALTZN
RN-20-07	174.5	0.12	ALTZN
RN-20-07	177.5	0.19	ALTZN
RN-20-07	182.0	0.13	ALTZN

RN-20-07	186.0	0.14	ALTZN
RN-20-07	189.0	0.15	IVOLCtuf
RN-20-07	192.0	0.05	ALTZN
RN-20-07	195.0	0.09	ALTZN
RN-20-07	198.0	0.14	IVOLCarg
RN-20-07	200.0	0.17	IVOLCarg
RN-20-07	208.0	0.19	IVOLCtuf
RN-20-07	214.0	0.21	IVOLCarg
RN-20-07	221.0	0.15	IVOLCtuf
RN-20-07	224.5	0.14	LAMPDIKE
RN-20-07	225.0	15.30	LAMPDIKE
RN-20-07	226.5	22.80	LAMPDIKE
RN-20-07	MS-02	0.04	
RN-20-07	228.0	10.50	LAMPDIKE
RN-20-07	230.0	0.13	IVOLCtuf
RN-20-07	235.0	0.05	ALTZN

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG	Mag Susc
RN-20-07	March 18 ,2020	Weight	0.82	0.82	0.82	0.82			0.00		
RN-20-07	March 17 ,2020	SG-2	Tuff	631.26	631.26	631.26	429.36	429.29	429.33	3.13	
RN-20-07	March 17 ,2020	41.00	IVOLCtuf	356.14	356.13	356.14	222.68	222.67	222.68	2.67	0.07
RN-20-07	March 17 ,2020	58.00	IVOLCtuf	325.6	325.63	325.62	206.13	206.2	206.17	2.73	0.15
RN-20-07	March 17 ,2020	88.50	ALTZN	276.74	276.74	276.74	174.46	174.48	174.47	2.71	0.11
RN-20-07	March 17 ,2020	108.00	ALTZN	632.85	632.82	632.84	398.44	398.43	398.44	2.70	0.19
RN-20-07	March 17 ,2020	127.70	IVOLCtuf	202.3	202.28	202.29	127.59	127.59	127.59	2.71	0.01
RN-20-07	March 17 ,2020	147.00	IVOLCtuf	306.08	306.08	306.08	193.46	193.50	193.48	2.72	0.15
RN-20-07	March 17 ,2020	173.70	QTZ	502.07	502.07	502.07	312.46	312.5	312.48	2.65	0
RN-20-07	March 17 ,2020	186.00	ALTZN	391.69	391.73	391.71	247.42	247.44	247.43	2.71	0.14

*Ohaus Scout SIX 1502N/E Balance    Terraplus KT-5 Magnetic Susceptibility Meter*

			Oriented Core								
BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment	
RN-20-07	33.3	50					Banding Lap clasts				
RN-20-07	36.30	80						15 cm			
RN-20-07	36.80	30				Moderate					
RN-20-07	39.30	80						5 cm			
RN-20-07	39.60	35				Weak					
RN-20-07	42.00	30					Banding/bedding				
RN-20-07	60.30		40	340			Banding/bedding				
RN-20-07	60.90		40	0			Bedding/Banding				
RN-20-07	61.50	60						10 cm			
RN-20-07	66.50	55				Moderate					
RN-20-07	67.60		20	0	Sharp						
RN-20-07	76.80	75						3 cm			
RN-20-07	77.20	80						20 cm			
RN-20-07	82.00		15	350			Laminations				
RN-20-07	87.50	50				Moderate					
RN-20-07	87.30	75						10 cm			
RN-20-07	90.70	40						2 cm			
RN-20-07	93.00	25				Strong					
RN-20-07	93.50	25				Strong					
RN-20-07	97.60		40	0	Sharp						
RN-20-07	100.50	85						1 cm			
RN-20-07	100.80	60				Weak					
RN-20-07	113.00	75						2 cm			
RN-20-07	115.00	75						20 cm			
RN-20-07	116.40	35				Moderate					
RN-20-07	118.40	85						10 cm			
RN-20-07	119.00	50				Moderate					
RN-20-07	120.00	85						20 cm			
RN-20-07	121.40	40				Moderate					
RN-20-07	133.00	35			Sharp						
RN-20-07	137.00	40				Strong					
RN-20-07	150.00	30					Banding/bedding				



RN-20-07	151.40	40					Banding/bedding			
RN-20-07	151.50	70						20 cm		
RN-20-07	158.80		20	340			Banding/bedding			
RN-20-07	164.5	40					Banding/bedding			
RN-20-07	171.70	80						5 cm		cross cutting
RN-20-07	172.00		35	310			Bedding/Banding			
RN-20-07	173.70	80						30 cm		
RN-20-07	182.00	35					Bedding/Banding			
RN-20-07	192.00		30	330		Strong				
RN-20-07	196.50	35				Moderate				
RN-20-07	204.70	75						2 cm		cross cutting
RN-20-07	214.00	35				Weak				
RN-20-07	224.40	40			Sharp					
RN-20-07	234.60	40				Strong		5 cm		Narrow shear

BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-07	0.0	27.5	CAS					
RN-20-07	27.5	30.0	2.5	1.8		100	72	Fair
RN-20-07	30.0	33.0	3.0	2.8		100	93	Excellent
RN-20-07	33.0	36.0	3.0	2.9		100	97	Excellent
RN-20-07	36.0	39.0	3.0	2.6		100	87	Good
RN-20-07	39.0	42.0	3.0	2.5		100	83	Good
RN-20-07	42.0	45.0	3.0	2.7		100	90	Excellent
RN-20-07	45.0	48.0	3.0	2.9		100	97	Excellent
RN-20-07	48.0	51.0	3.0	2.7		100	90	Excellent
RN-20-07	51.0	54.0	3.0	2.8		100	93	Excellent
RN-20-07	54.0	57.0	3.0	2.7		100	90	Excellent
RN-20-07	57.0	60.0	3.0	2.8		100	93	Excellent
RN-20-07	60.0	63.0	3.0	2.9		100	97	Excellent
RN-20-07	63.0	66.0	3.0	2.8		100	93	Excellent
RN-20-07	66.0	69.0	3.0	2.6		100	87	Good
RN-20-07	69.0	72.0	3.0	2.8		100	93	Excellent
RN-20-07	72.0	75.0	3.0	2.9		100	97	Excellent
RN-20-07	75.0	78.0	3.0	2.6		100	87	Good
RN-20-07	78.0	81.0	3.0	2.8		100	93	Excellent
RN-20-07	81.0	84.0	2.9	2.6		97	87	Good
RN-20-07	84.0	87.0	3.0	2.5		100	83	Good
RN-20-07	87.0	90.0	3.0	2.9		100	97	Excellent
RN-20-07	90.0	93.0	3.0	1.9		100	63	Fair
RN-20-07	93.0	96.0	3.0	2.4		100	80	Good
RN-20-07	96.0	99.0	3.0	2.9		100	97	Excellent
RN-20-07	99.0	102.0	3.0	2.7		100	90	Excellent
RN-20-07	102.0	105.0	3.0	2.8		100	93	Excellent
RN-20-07	105.0	108.0	3.0	2.8		100	93	Excellent
RN-20-07	108.0	111.0	3.0	2.7		100	90	Excellent
RN-20-07	111.0	114.0	3.0	2.6		100	87	Good
RN-20-07	114.0	117.0	3.0	2.9		100	97	Excellent
RN-20-07	117.0	120.0	3.0	2.8		100	93	Excellent
RN-20-07	120.0	123.0	3.0	3.0		100	100	Excellent

Rock Quality Designation Deere 1963

Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013

RN-20-07	123.0	126.0	2.9	2.3		97	77	Good
RN-20-07	126.0	129.0	3.0	2.6		100	87	Good
RN-20-07	129.0	132.0	3.0	2.5		100	83	Good
RN-20-07	132.0	135.0	3.0	2.0		100	67	Fair
RN-20-07	135.0	138.0	3.0	2.6		100	87	Good
RN-20-07	138.0	141.0	3.0	2.7		100	90	Excellent
RN-20-07	141.0	144.0	3.0	2.7		100	90	Excellent
RN-20-07	144.0	147.0	3.0	2.5		100	83	Good
RN-20-07	147.0	150.0	3.0	2.7		100	90	Excellent
RN-20-07	150.0	153.0	3.0	2.8		100	93	Excellent
RN-20-07	153.0	156.0	3.0	2.9		100	97	Excellent
RN-20-07	156.0	159.0	3.0	3.0		100	100	Excellent
RN-20-07	159.0	162.0	3.0	3.0		100	100	Excellent
RN-20-07	162.0	165.0	3.0	3.0		100	100	Excellent
RN-20-07	165.0	168.0	3.0	2.9		100	97	Excellent
RN-20-07	168.0	171.0	3.0	3.0		100	100	Excellent
RN-20-07	171.0	174.0	3.0	3.0		100	100	Excellent
RN-20-07	174.0	177.0	3.0	3.0		100	100	Excellent
RN-20-07	177.0	180.0	3.0	2.7		100	90	Excellent
RN-20-07	180.0	183.0	3.0	2.9		100	97	Excellent
RN-20-07	183.0	186.0	3.0	2.9		100	97	Excellent
RN-20-07	186.0	189.0	3.0	2.9		200	193	Excellent
RN-20-07	189.0	192.0	3.0	2.9		100	97	Excellent
RN-20-07	192.0	195.0	3.0	3.0		100	100	Excellent
RN-20-07	195.0	198.0	3.0	2.7		100	90	Excellent
RN-20-07	198.0	201.0	3.0	2.7		100	90	Excellent
RN-20-07	201.0	204.0	3.0	2.8		100	93	Excellent
RN-20-07	204.0	207.0	3.0	2.9		100	97	Excellent
RN-20-07	207.0	210.0	3.0	3.0		100	100	Excellent
RN-20-07	210.0	213.0	3.0	2.7		100	90	Excellent
RN-20-07	213.0	216.0	3.0	2.9		100	97	Excellent
RN-20-07	216.0	219.0	3.0	3.0		100	100	Excellent
RN-20-07	219.0	222.0	3.0	3.0		100	100	Excellent
RN-20-07	222.0	225.0	3.0	2.7		100	90	Excellent

RN-20-07	225.0	228.0	3.0	2.6		100	87	Good
RN-20-07	228.0	231.0	3.0	2.8		100	93	Excellent
RN-20-07	231.0	234.0	3.0	2.9		100	97	Excellent
RN-20-07	234.0	237.0	3.0	2.8		100	93	Excellent

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Comment	Comment	Au-AA23 Au ppm
RN-20-07	W934252	34.0	35.0	1.0		IVOLctuf					0.008
RN-20-07	W934253	35.0	36.0	1.0		ALTZN	1	10			0.407
RN-20-07	W934254	36.0	37.0	1.0		ALTZN	1	20	po		1.625
RN-20-07	W934255	37.0	38.0	1.0		ALTZN	1	10			0.097
RN-20-07	W934256	38.0	39.0	1.0		ALTZN		15			0.605
RN-20-07	W934257	39.0	40.0	1.0		ALTZN					0.342
RN-20-07	W934258	40.0	41.0	1.0		IVOLctuf					0.051
RN-20-07	W934259	61.3	62.0	0.7		IVOLctuf		5			0.067
RN-20-07	W934260	76.5	77.5	1.0		IVOLCarg		20			0.452
RN-20-07	W934261	77.5	78.5	1.0		IVOLCarg		2			0.011
RN-20-07	W934262	78.5	79.5	1.0		IVOLCarg		3			0.011
RN-20-07	W934263	79.5	80.5	1.0		IVOLCarg		3			0.017
RN-20-07	W934264	80.5	81.5	1.0		IVOLCarg		10			0.025
RN-20-07	W934265	86.0	87.0	1.0		IVOLCarg					0.007
RN-20-07	W934266	87.0	88.0	1.0		ALTZN					0.019
RN-20-07	W934267				Blank						<0.005
RN-20-07	W934268	88.0	89.0	1.0		ALTZN		2			0.013
RN-20-07	W934269	89.0	90.0	1.0		ALTZN		35			0.252
RN-20-07	W934270	90.0	91.0	1.0		ALTZN		15			0.015
RN-20-07	W934271				OREAS 228						8.8
RN-20-07	W934272	91.0	92.0	1.0		ALTZN		20			0.309
RN-20-07	W934273	92.0	93.0	1.0		ALTZN		15			0.06
RN-20-07	W934274	93.0	94.0	1.0		ALTZN		10			2.82
RN-20-07	W934275	94.0	95.0	1.0		ALTZN		3			0.013
RN-20-07	W934276				Blank						0.005
RN-20-07	W934277	95.0	96.0	1.0		ALTZN		1			<0.005
RN-20-07	W934278	96.0	97.6	1.6		ALTZN		2			<0.005
RN-20-07	W934279	97.6	98.5	0.9		ALTZN					<0.005
RN-20-07	W934280	98.5	99.5	1.0		ALTZN		1			<0.005
RN-20-07	W934281	99.5	100.5	1.0		ALTZN		2			<0.005
RN-20-07	W934282	100.5	101.5	1.0		ALTZN		2			<0.005
RN-20-07	W934283	101.5	102.5	1.0		ALTZN		1			<0.005

RN-20-07	W934284	102.5	103.5	1.0		ALTZN		2		<0.005
RN-20-07	W934285	103.5	104.5	1.0		ALTZN		3		0.017
RN-20-07	W934286	104.5	105.5	1.0		ALTZN		2		<0.005
RN-20-07	W934287				Blank					<0.005
RN-20-07	W934288	105.5	106.5	1.0		ALTZN		1		<0.005
RN-20-07	W934289	106.5	107.5	1.0		ALTZN		1		<0.005
RN-20-07	W934290	107.5	108.5	1.0		ALTZN		1		<0.005
RN-20-07	W934291	108.5	109.5	1.0		ALTZN		1		0.009
RN-20-07	W934292	109.5	110.5	1.0		ALTZN		2		<0.005
RN-20-07	W934293				OREAS 219					0.741
RN-20-07	W934294	110.5	112.0	1.5		ALTZN		1		0.036
RN-20-07	W934295	112.0	113.0	1.0		ALTZN		2		0.12
RN-20-07	W934296	113.0	114.0	1.0		ALTZN		5		0.051
RN-20-07	W934297	114.0	115.0	1.0		ALTZN		15		0.339
RN-20-07	W934298	115.0	116.0	1.0		ALTZN		30		1.825
RN-20-07	W934299	116.0	117.0	1.0		ALTZN		10		0.964
RN-20-07	W934300	117.0	118.0	1.0		ALTZN		5		0.052
RN-20-07	W934301	118.0	119.0	1.0		ALTZN		15		0.663
RN-20-07	W934302	119.0	120.0	1.0		ALTZN		5		<0.005
RN-20-07	W934303				OREAS 223					1.705
RN-20-07	W934304	120.0	121.0	1.0		ALTZN		15		0.194
RN-20-07	W934305				Blank					<0.005
RN-20-07	W934306	121.0	122.0	1.0		ALTZN		1		0.059
RN-20-07	W934307	122.0	123.0	1.0		IVOLCtuf				<0.005
RN-20-07	W934308	134.0	135.0	1.0		IVOLCtuf		1		0.009
RN-20-07	W934309	135.0	136.0	1.0		ALTZN		1		0.029
RN-20-07	W934310	136.0	137.0	1.0		ALTZN		3		0.197
RN-20-07	W934311	137.0	138.0	1.0		ALTZN		2		0.07
RN-20-07	W934312	138.0	139.0	1.0		IVOLCtuf				0.015
RN-20-07	W934313	147.5	148.5	1.0		IVOLCtuf				<0.005
RN-20-07	W934314	148.5	149.5	1.0		ALTZN		2		0.059
RN-20-07	W934315	149.5	150.5	1.0		ALTZN		2		0.267
RN-20-07	W934316	150.5	151.5	1.0		ALTZN		3		0.205
RN-20-07	W934317	151.5	152.0	0.5		ALTZN		20		0.088

RN-20-07	W934318	152.0	153.0	1.0		IVOLCarg		1			<0.005
RN-20-07	W934319	170.5	171.5	1.0		IVOLCarg		1			<0.005
RN-20-07	W934320	171.5	172.5	1.0		ALTZN		5			0.121
RN-20-07	W934321	172.5	173.5	1.0		ALTZN		5			0.895
RN-20-07	W934322	173.5	174.1	0.6		ALTZN		80			0.18
RN-20-07	W934323	174.1	175.0	0.9		ALTZN		2			0.223
RN-20-07	W934324	175.0	176.0	1.0		ALTZN		2			0.086
RN-20-07	W934325	176.0	177.0	1.0		ALTZN		1			0.015
RN-20-07	W934326	177.0	178.0	1.0		ALTZN		1			0.006
RN-20-07	W934327				OREAS	219					0.752
RN-20-07	W934328	178.0	179.0	1.0		ALTZN		5			0.043
RN-20-07	W934329	179.0	180.0	1.0		ALTZN		2			0.013
RN-20-07	W934330	180.0	181.0	1.0		ALTZN		3			0.105
RN-20-07	W934331	181.0	182.0	1.0		ALTZN		1			0.01
RN-20-07	W934332				Blank						<0.005
RN-20-07	W934333	182.0	183.0	1.0		ALTZN		1			0.007
RN-20-07	W934334	183.0	184.0	1.0		ALTZN		2			0.184
RN-20-07	W934335	184.0	185.0	1.0		ALTZN		2			0.022
RN-20-07	W934336	185.0	186.0	1.0		ALTZN		25			0.032
RN-20-07	W934337	186.0	187.0	1.0		IVOLCtuf					<0.005
RN-20-07	W934338	190.5	191.5	1.0		IVOLCtuf					0.023
RN-20-07	W934339	191.5	192.5	1.0		ALTZN		3			0.345
RN-20-07	W934340	192.5	193.5	1.0		ALTZN		7			0.216
RN-20-07	W934341	193.5	194.5	1.0		ALTZN		7			0.059
RN-20-07	W934342	194.5	195.5	1.0		ALTZN		5			0.108
RN-20-07	W934343	195.5	196.0	0.5		ALTZN		1			0.057
RN-20-07	W934344	196.0	197.0	1.0		IVOLCarg					<0.005
RN-20-07	W934345	203.0	204.0	1.0		IVOLCtuf		1			0.041
RN-20-07	W934346	204.0	205.0	1.0		IVOLCtuf		2			0.039
RN-20-07	W934347	205.0	206.0	1.0		IVOLCtuf		2			<0.005
RN-20-07	W934348	210.0	211.0	1.0		IVOLCarg					<0.005
RN-20-07	W934349	219.0	220.0	1.0		IVOLCtuf		1			<0.005
RN-20-07	W934350	220.0	221.0	1.0		IVOLCtuf					0.021
RN-20-07	W934359	221.0	222.0	1.0		IVOLCtuf		1			0.05

RN-20-07	W934351	222.0	223.0	1.0		IVOLCtuf		10			0.183
RN-20-07	W934352	223.0	224.0	1.0		IVOLCtuf		1			0.006
RN-20-07	W934353	230.0	231.0	1.0		IVOLCtuf		1			<0.005
RN-20-07	W934354				OREAS 219						0.839
RN-20-07	W934355	231.0	232.0	1.0		ALTZN		1			0.065
RN-20-07	W934356	232.0	233.0	1.0		ALTZN		15			0.098
RN-20-07	W934357	233.0	234.0	1.0		ALTZN		1			0.01
RN-20-07	W934358	234.0	235.0	1.0		ALTZN		5			0.129



# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-08</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365698	5303656	387	25	-45	112.5
<b>Purpose</b>	Test up dip projection of alteration and visible gold in RN-20-06							
<b>Explanation</b>								
<b>Start date</b>	March 20, 2020							
<b>End date</b>	March 21, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	17 m casing left in ground	<b>Capping</b>	Metal Cap					
<b>Artesian Y/N</b>	No							
<b>Water Source</b>	Small pond 75 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 23, 2020	<b>Assays Added</b>	April 20, 2020					
<b>Comments</b>	APS used to set drill							
<b>Comments</b>	25 Boxes of Core							

## Comments

BHID	Depth	Az	Declin (-09)	Dip	Mag Field	Mag Susc	Use Az	Use Dip	Comments
RN-20-08	0	25	25.0	-45.0			Y	Y	As spotted in field.
RN-20-08	51.0	31.2	22.2	-47.0	55068		Y	Y	
RN-20-08	100.0	32.4	23.4	-46.0	55042		Y	Y	

<b>BHID</b>	<b>From</b>	<b>To</b>	<b>Litho</b>	<b>Comment</b>
RN-20-08	0	11.00	CAS	CASING-Large block of Tuff with qtz veins followed by gravel and granitic boulders.
RN-20-08	11.00	29.00	ALTZN	Alteration Zone - Lapillituff with very weak alteration, light sericite. 3-5% qtz veins, cross cutting foliation. 13.8-16.0 BBC oxidized fractured core.
RN-20-08	29.00	34.80	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light to dark green grey. Distinct angular lapilli sized clasts.
RN-20-08	34.80	43.80	ALTZN	Alteration Zone - Strong alteration, silicification and sericite with 5-7% qtz veins. 38.3 -38.7 Dense grey cherty silicification fine py. 39.5 -40.3 Dense grey cherty silicification fine py 41.0-42.0 Buff sericite carb schist
RN-20-08	43.80	52.50	IVOLCarg	Intermediate Volcanic argillite- Weak alteration Light buff color with distinct light fine beds laminations. Local disrupted beds. Sharp abrupt upper contact. 48.3-49.5 Lap tuff interbed.
RN-20-08	52.50	64.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Green groundmass with hazy soft outlines patches of lap tuffs Angular lapilli sized fragments.
RN-20-08	64.00	67.50	ALTZN	Alteration Zone - Lapilli Tuff with weak alteration, 1-3% qtz veins. Weak sericite buff color.
RN-20-08	67.50	69.50	ALTZN	Alteration Zone - Light buff sericite qtz alteration. 7-10% qtz veins 1 cm wide
RN-20-08	69.50	83.50	ALTZN	Alteration Zone - Lapilli Tuff with weak alteration, 1-3% qtz veins cross cutting. Weak sericite buff color. 76.8 - 78.5 10-15% qtz veins 80.6-81.0 BBC soft gouge
RN-20-08	83.50	88.90	IVOLCarg	Intermediate Volcanic argillite- Weak alteration Light buff color with distinct light fine beds laminations.

Local disrupted beds. Sharp abrupt upper contact.

RN-20-08	88.90	96.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light to dark green grey. Distinct angular lapilli sized clasts.
RN-20-08	96.60	100.00	ARGgrph	Argillite graphitic - Dark black argillite well bedded/banded with 1mm laminations.
RN-20-08	100.00	112.50	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Weak alteration Green groundmass fine tuff.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygduloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

*Terraplus KT-5 Magnetic Susceptibility Meter*

<b>BHID</b>	<b>Depth</b>	<b>MS</b>	<b>Lith</b>
RN-20-08	MS-2	0.05	
RN-20-08	11.0	0.17	ALTZN
RN-20-08	13.0	0.06	ALTZN
RN-20-08	15.0	0.09	ALTZN
RN-20-08	18.0	0.10	ALTZN
RN-20-08	21.0	0.09	ALTZN
RN-20-08	24.0	0.14	ALTZN
RN-20-08	25.0	0.09	ALTZN
RN-20-08	30.0	0.09	IVOLCtuf
RN-20-08	32.5	0.01	IVOLCtuf
RN-20-08	33.5	0.08	IVOLCtuf
RN-20-08	36.0	0.10	ALTZN
RN-20-08	38.5	0.03	ALTZN
RN-20-08	39.0	0.09	ALTZN
RN-20-08	MS-4	24.30	
RN-20-08	40.0	0.04	ALTZN
RN-20-08	41.5	0.02	ALTZN
RN-20-08	42.0	0.06	ALTZN
RN-20-08	44.0	0.07	IVOLCarg
RN-20-08	46.0	0.07	IVOLCarg
RN-20-08	48.5	0.08	IVOLCarg
RN-20-08	51.0	0.06	IVOLCarg
RN-20-08	54.0	0.08	IVOLCtuf
RN-20-08	59.0	0.08	IVOLCtuf
RN-20-08	62.0	0.12	IVOLCtuf
RN-20-08	64.5	0.10	ALTZN
RN-20-08	67.0	0.13	ALTZN
RN-20-08	69.0	0.11	ALTZN
RN-20-08	72.0	0.10	ALTZN
RN-20-08	76.0	0.16	ALTZN
RN-20-08	MS-3	1.17	
RN-20-08	80.0	0.10	ALTZN
RN-20-08	84.0	0.10	IVOLCarg
RN-20-08	87.0	0.09	IVOLCarg
RN-20-08	93.0	0.09	IVOLCtuf
RN-20-08	96.0	0.08	ARGgrph
RN-20-08	97.5	0.13	ARGgrph
RN-20-08	104.0	0.13	IVOLCtuf
RN-20-08	110.5	0.11	IVOLCtuf
RN-20-08	112.5	0.13	IVOLCtuf

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG	Mag Susc
RN-20-08	March 23 ,2020	19.00	ALTZN	420.95	420.96	420.96	266.02	265.92	265.97	2.72	
RN-20-08	March 23 ,2020	38.50	ALTZN	614.24	614.25	614.25	382.3	382.28	382.29	2.65	
RN-20-08	March 23 ,2020	68.80	ALTZN	375.80	375.78	375.79	239	238.97	238.99	2.75	
RN-20-08	March 23 ,2020	Weight	62.00	62.10	62.09	62.10			0.00	1.00	
RN-20-08	March 23 ,2020	SG-4	Glass	273.68	273.68	273.68	163.78	163.78	163.78	2.49	

*Ohaus Scout SJX 1502N/E Balance    Terraplug KT-5 Magnetic Susceptibility Meter*



			Oriented Core							
BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Bedding	QV	Fault gouge	Comment
RN-20-08	13	60						2 cm		
RN-20-08	16.20	40				Moderate				
RN-20-08	16.60	80						2 cm		
RN-20-08	18.00	40					Banding/Bedding			
RN-20-08	22.20	90						3 cm		cross cutting
RN-20-08	22.50	35				Weak				
RN-20-08	28.40		50	0			Banding/Bedding			
RN-20-08	34.00	35				Moderate				
RN-20-08	35.60		40	340		Strong				
RN-20-08	36.50		35	340		Strong				
RN-20-08	38.40		30	330	Sharp					
RN-20-08	40.00	30				Strong				
RN-20-08	40.90	50						1 cm		
RN-20-08	41.50	75						10 cm		Cross cutting
RN-20-08	42.00		45	335		Strong	Banding/Bedding			
RN-20-08	46.70	45					Banding/Bedding			
RN-20-08	57.20	85						1 cm		
RN-20-08	57.70		35	345			Banding/Bedding			
RN-20-08	63.00		25	340			Banding/Bedding			
RN-20-08	65.90	80						1 cm		Cross cutting
RN-20-08	67.80		50	330		Strong				Sericite
RN-20-08	67.90		70					1 cm		Cross cutting
RN-20-08	86.00		50	0			Banding/Bedding			
RN-20-08	89.00		40	5			Banding/Bedding			
RN-20-08	94.60	75						3 cm		Cross cutting

BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-08	0.0	11.0	CAS					
RN-20-08	11.0	15.0	3.5	0.6		88	15	Very Poor
RN-20-08	15.0	18.0	2.9	1.5		97	50	Fair
RN-20-08	18.0	21.0	3.0	2.7		100	90	Excellent
RN-20-08	21.0	24.0	3.0	2.9		100	97	Excellent
RN-20-08	24.0	27.0	3.0	3.0		100	100	Excellent
RN-20-08	27.0	30.0	3.0	3.0		100	100	Excellent
RN-20-08	30.0	33.0	3.0	2.9		100	97	Excellent
RN-20-08	33.0	36.0	3.0	3.0		100	100	Excellent
RN-20-08	36.0	39.0	3.0	2.9		100	97	Excellent
RN-20-08	39.0	42.0	3.0	2.8		100	93	Excellent
RN-20-08	42.0	45.0	3.0	2.2		100	73	Fair
RN-20-08	45.0	48.0	3.0	2.6		100	87	Good
RN-20-08	48.0	51.0	3.0	2.8		100	93	Excellent
RN-20-08	51.0	54.0	3.0	3.0		100	100	Excellent
RN-20-08	54.0	57.0	3.0	3.0		100	100	Excellent
RN-20-08	57.0	60.0	3.0	3.0		100	100	Excellent
RN-20-08	60.0	63.0	3.0	3.0		100	100	Excellent
RN-20-08	63.0	66.0	3.0	3.0		100	100	Excellent
RN-20-08	66.0	69.0	2.9	2.9		97	97	Excellent
RN-20-08	69.0	72.0	3.0	2.8		100	93	Excellent
RN-20-08	72.0	75.0	3.0	2.9		100	97	Excellent
RN-20-08	75.0	78.0	3.0	2.8		100	93	Excellent
RN-20-08	78.0	81.0	3.0	1.8		100	60	Fair
RN-20-08	81.0	84.0	3.0	2.6		100	87	Good
RN-20-08	84.0	87.0	3.0	2.7		100	90	Excellent
RN-20-08	87.0	90.0	3.0	3.0		100	100	Excellent
RN-20-08	90.0	93.0	3.0	2.8		100	93	Excellent
RN-20-08	93.0	96.0	3.0	2.9		100	97	Excellent
RN-20-08	96.0	99.0	3.0	2.9		100	97	Excellent
RN-20-08	99.0	102.0	3.0	2.9		100	97	Excellent
RN-20-08	102.0	105.0	3.0	2.8		100	93	Excellent
RN-20-08	105.0	108.0	3.0	2.9		100	97	Excellent

Rock Quality Designation Deere 1963

Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013

RN-20-08	108.0	111.0	3.0	2.9		100	97	Excellent
RN-20-08	111.0	112.5	1.5	1.5		100	100	Excellent

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Comment	Au-AA23 Au ppm
RN-20-08	W934360	11.0	12.0	1.0		ALTZN		3		0.047
RN-20-08	W934361	12.0	13.0	1.0		ALTZN		2		0.207
RN-20-08	W934362	13.0	14.0	1.0		ALTZN		5		0.13
RN-20-08	W934363	14.0	15.0	1.0		ALTZN		2		0.086
RN-20-08	W934364	15.0	16.0	1.0		ALTZN				0.042
RN-20-08	W934365	16.0	17.0	1.0		ALTZN		7		1.77
RN-20-08	W934366	17.0	18.0	1.0		ALTZN		15		0.128
RN-20-08	W934367	18.0	19.0	1.0		ALTZN		1		0.007
RN-20-08	W934368	19.0	20.0	1.0		ALTZN		1		0.02
RN-20-08	W934369	20.0	21.0	1.0		ALTZN		3		0.035
RN-20-08	W934370	21.0	22.0	1.0		ALTZN		3		0.117
RN-20-08	W934371	22.0	23.0	1.0		ALTZN		5		0.021
RN-20-08	W934372				Blank					0.006
RN-20-08	W934373	23.0	24.0	1.0		ALTZN		3		0.008
RN-20-08	W934374	24.0	25.0	1.0		ALTZN		5		0.007
RN-20-08	W934375	25.0	26.0	1.0		ALTZN		3		0.027
RN-20-08	W934376	26.0	27.0	1.0		ALTZN		2		0.05
RN-20-08	W934377	27.0	28.0	1.0		ALTZN		1		0.05
RN-20-08	W934378	28.0	29.0	1.0		ALTZN		1		0.019
RN-20-08	W934379	34.0	34.8	0.8		IVOLCtuf				0.019
RN-20-08	W934380	34.8	36.0	1.2		ALTZN		3		0.141
RN-20-08	W934381	36.0	37.0	1.0		ALTZN		2	Grey Silicified	0.036
RN-20-08	W934382	37.0	38.0	1.0		ALTZN		3		0.01
RN-20-08	W934383				OREAS 223					1.815
RN-20-08	W934384	38.0	39.0	1.0		ALTZN		25	Grey silicified	0.112
RN-20-08	W934385	39.0	40.0	1.0		ALTZN		75	Grey silicified	0.053
RN-20-08	W934386	40.0	41.0	1.0		ALTZN		20	Grey silicified	0.513
RN-20-08	W934387	41.0	42.0	1.0		ALTZN		10		0.236
RN-20-08	W934388	54.0	55.0	1.0		IVOLCtuf		1		<0.005
RN-20-08	W934389	55.0	56.0	1.0		IVOLCtuf		1		0.034
RN-20-08	W934390	56.0	57.0	1.0		IVOLCtuf		1		<0.005
RN-20-08	W934391	57.0	58.0	1.0		IVOLCtuf		1		<0.005

RN-20-08	W934392	58.0	59.0	1.0		IVOLCtuf		1		<0.005
RN-20-08	W934393	59.0	60.0	1.0		IVOLCtuf		1		<0.005
RN-20-08	W934394	63.0	64.0	1.0		IVOLCtuf				<0.005
RN-20-08	W934395	64.0	65.0	1.0		ALTZN		1		<0.005
RN-20-08	W934396	65.0	66.0	1.0		ALTZN		1		0.007
RN-20-08	W934397	66.0	67.5	1.5		ALTZN		2		0.026
RN-20-08	W934398				Blank					<0.005
RN-20-08	W934399	67.5	68.5	1.0		ALTZN		25	Sericite	0.088
RN-20-08	W934400	68.5	69.5	1.0		ALTZN		15	Sericite	1.035
RN-20-08	W934401	69.5	70.5	1.0		ALTZN		3		0.007
RN-20-08	W934402				OREAS 219					0.749
RN-20-08	W934403	70.5	71.5	1.0		ALTZN		1		0.008
RN-20-08	W934404	71.5	72.5	1.0		ALTZN		1		0.028
RN-20-08	W934405	72.5	73.5	1.0		ALTZN		3		0.143
RN-20-08	W934406	73.5	74.5	1.0		ALTZN				<0.005
RN-20-08	W934407	74.5	75.5	1.0		ALTZN		1		<0.005
RN-20-08	W934408	75.5	76.5	1.0		ALTZN		3		0.018
RN-20-08	W934409	76.5	77.5	1.0		ALTZN		5		0.281
RN-20-08	W934410	77.5	78.5	1.0		ALTZN		15		0.865
RN-20-08	W934411	78.5	79.5	1.0		ALTZN		10		0.964
RN-20-08	W934412				Blank					0.008
RN-20-08	W934413	79.5	80.5	1.0		ALTZN		5		0.011
RN-20-08	W934414	80.5	81.5	1.0		ALTZN		3		0.014
RN-20-08	W934415	81.5	82.5	1.0		ALTZN		1		0.005
RN-20-08	W934416	82.5	83.5	1.0		ALTZN		3		<0.005
RN-20-08	W934417	92.0	93.0	1.0		IVOLCtuf		1		<0.005
RN-20-08	W934418	93.0	94.0	1.0		IVOLCtuf		2		0.006
RN-20-08	W934419	94.0	95.0	1.0		IVOLCtuf		1		0.105
RN-20-08	W934420	95.0	96.6	1.6		IVOLCtuf				0.006

# Drillhole Summary

<b>DDH ID</b>	<b>RN-20-09</b>							
		<b>(Nad 83)</b>						
	<b>Cell Mining Claim #'s</b>	<b>Zone</b>	<b>East (UTM)</b>	<b>North (UTM)</b>	<b>Elev</b>	<b>Az</b>	<b>Dip</b>	<b>EOH (m)</b>
<b>Location</b>	192726	17U	365622	5303667	397	30	-45	174.00
<b>Purpose</b>	Test south dip to the alteration/mineralized zones							
<b>Explanation</b>	Multiple zones of alteration and qtz veining							
<b>Start date</b>	March 21, 2020							
<b>End date</b>	March 23, 2020							
<b>Drill Contractor</b>	Chenier Drilling Services Inc.							
<b>Core Size</b>	NQ							
<b>Core Storage</b>	Larry Salo/Shiningtree UTM 480620 5267550							
<b>Casing</b>	11 m casing left in ground	<b>Capping</b>	Metal Cap					
<b>Artesian Y/N</b>	No							
<b>Water Source</b>	Small pond 25 m east of drill setup							
<b>Logged By</b>	Todd Keast							
<b>Log Completed</b>	March 24, 2020	<b>Assays Added</b>	25-Apr-20					
<b>Comments</b>	APS used to set drill							
<b>Comments</b>	38 boxes of core							

BHID	Depth	Az	Declin (-09)	Dip	Mag Field	Mag Susc	Use Az	Use Dip	Comments
RN-20-09	0	25	25.0	-45.0			Y	Y	As spotted in field.
RN-20-09	15.0	29.3	20.3	-43.4	57054		Y	Y	
RN-20-09	51.0	32.4	23.4	-42.5	55491		Y	Y	
RN-20-09	100.0	32.4	23.4	-41.6	55484		Y	Y	
RN-20-09	150.0	35.9	26.9	-41.4	55341		Y	Y	

<b>BHID</b>	<b>From</b>	<b>To</b>	<b>Litho</b>	<b>Comment</b>
RN-20-09	0	11.00	CAS	CASING-Overburden
RN-20-09	11.00	17.00	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-09	17.00	36.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Coarser grained than previous unit with sharp contact. 26.0-33.0 1% widely spaced qtz veins cross cutting foliation at 80 deg to CA 32.7 m 10 cm vein parallel to foliation
RN-20-09	36.00	49.00	ALTZN	Alteration Zone - Weakly altered lapilli tuff. 1-3 % qtz veins 1 cm wide
RN-20-09	49.00	61.00	ALTZN	Alteration Zone - Weakly altered lapilli tuff. 3-5 % qtz veins 1 cm wide cross cutting Scattered light sericite rich siliceous sections 52.0 10 cm fault gouge 52.0-53.0 Light grey siliceous section, brecciated with 3-5% fine py.
RN-20-09	61.00	63.80	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Darker green massive
RN-20-09	63.80	65.70	ALTZN	Alteration Zone - Light green fine weakly foliated. Weak sericite and carbonate acid fizz. 1-3 % qtz veins 1 cm wide
RN-20-09	65.70	83.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated. Distinct lapilli sized clasts with some massive finer argillite interbeds. 67.4-67.8 50% qtz veins in narrow sericite rich section.
RN-20-09	83.00	97.40	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-09	97.40	103.60	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green fine grained weakly foliated.



				Distinc lapilli sized clasts with some massive finer argillite interbeds. 1-3% qtz vens widely spaced.
RN-20-09	103.60	107.50	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-09	107.50	110.50	ALTZN	Alteration Zone - Light green fine weakly foliated. 3-5 % qtz veins 1 cm wide 108.5-109.2 BBC rubble
RN-20-09	110.50	114.00	IVOLCarg	Intermediate Volcanic Argillite - Green fine grained with distinct banding bedding suggesting finer tuff material. Local massive texture.
RN-20-09	114.00	120.00	IVOLCtufblk	Intermediate Volcanic Lapilli Tuff- Chaotic mix of larger fragments and distinct black argillite clasts up to 10cm . Minor disrtupted argillite beds.
RN-20-09	120.00	130.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Light green, coarse grained with distinct 1 cm black argillite clasts. Distinc lapilli sized clasts with some massive finer argillite interbeds.
RN-20-09	130.00	133.20	IVOLCtufblk	Intermediate Volcanic Lapilli Tuff- Coarse interval of lapilli tuff-tuff breccia with 1-3% ragged wispy po clasts. l cm po clasts and black argillite clasts.
RN-20-09	133.20	138.00	ALTZN	Alteration Zone - Light green fine weakly foliated. 3-5 % qtz veins 1 cm wide
RN-20-09	138.00	148.50	IVOLCtufblk	Intermediate Volcanic Lapilli Tuff- Well banded/bedded tuff sequence with scattered black argillite beds. l cm po clasts and black argillite clasts.
RN-20-09	148.50	153.50	ALTZN	Alteration Zone - Lapilli tuff 1-3% qtz veins
RN-20-09	153.50	169.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- light green coarse grained clasts, banded/bedded throughout.
RN-20-09	169.00	174.00	IVOLCtuf	Intermediate Volcanic Lapilli Tuff- Distinct interval woth 25% 1 cm clasts angular.

<b>Lith Code</b>	<b>Unit</b>
CAS	Casing
IVOLC	Intermediate Volcanics
IVOLCtuf	Intermediate Volcanics Lapilli Tuff
IVOLCbrec	Intermediate Volcanics Breccia
IVOLCamyg	Intermediate Volcanics Amygduloidal flow
IVOLCarg	Intermediate Volcanics Argillite
ARGgrph	Argillite graphitic
MVOL	Mafic Volcanic
ALTZN	Alteration Zone
ALTZNqv	Alteration Zone Quartz Vein
CHLORSERSCH	Chlorite Sericite Schist
SERCHLORSCH	Sericite Chlorite Schist
IDIKE	Intermediate Dike
LAMPDIKE	Lamprophyre Dike
FLDPORH	Feldspar Porphyry
FLT	Fault Gouge

*Terraplus KT-5 Magnetic Susceptibility Meter*

<b>BHID</b>	<b>Depth</b>	<b>MS</b>	<b>Lith</b>
RN-20-09	13.0	0.12	IVOLCarg
RN-20-09	18.0	0.13	
RN-20-09	23.0	0.09	IVOLCtuf
RN-20-09	27.0	0.09	IVOLCtuf
RN-20-09	35.0	0.10	IVOLCtuf
RN-20-09	41.0	0.14	ALTZN
RN-20-09	44.5	0.19	ALTZN
RN-20-09	MS-3	1.11	
RN-20-09	51.0	0.10	ALTZN
RN-20-09	57.0	0.13	ALTZN
RN-20-09	61.0	0.12	ALTZN
RN-20-09	64.0	0.13	ALTZN
RN-20-09	70.0	0.13	IVOLCtuf
RN-20-09	76.0	0.12	IVOLCtuf
RN-20-09	79.0	0.13	IVOLCtuf
RN-20-09	85.0	0.12	IVOLCarg
RN-20-09	93.0	0.12	IVOLCarg
RN-20-09	103.0	0.06	IVOLCtuf
RN-20-09	108.0	0.13	ALTZN
RN-20-09	MS-1	74.60	
RN-20-09	114.5	0.40	IVOLCtufblk
RN-20-09	116.0	0.14	IVOLCtufblk
RN-20-09	119.0	0.07	IVOLCtufblk
RN-20-09	122.0	0.16	IVOLCtuf
RN-20-09	126.0	0.34	IVOLCtuf
RN-20-09	130.5	0.61	IVOLCtufblk
RN-20-09	132.0	0.23	IVOLCtufblk
RN-20-09	136.0	0.23	ALTZN
RN-20-09	139.0	0.18	IVOLCtufblk
RN-20-09	137.5	0.95	IVOLCtufblk
RN-20-09	142.0	0.08	IVOLCtufblk
RN-20-09	146.0	0.14	IVOLCtufblk
RN-20-09	MS-4	24.50	
RN-20-09	152.0	0.08	ALTZN
RN-20-09	156.0	0.17	IVOLCtuf
RN-20-09	168.0	0.29	IVOLCtuf
RN-20-09	171.0	0.28	IVOLCtuf
RN-20-09	174.0	0.20	IVOLCtuf

BHID	Date	Depth	Litho	Dry 1	Dry 2	Average	Wet 1	Wet 2	Average	SG	Mag Susc
RN-20-09	March 18 ,2020	Weight	0.82	0.82	0.82	0.82			0.00		
RN-20-09	March 17 ,2020	SG-2	Tuff	631.26	631.26	631.26	429.36	429.29	429.33	3.13	
RN-20-09	March 17 ,2020	41.00	IVOLCtuf	356.14	356.13	356.14	222.68	222.67	222.68	2.67	0.07
RN-20-09	March 17 ,2020	58.00	IVOLCtuf	325.6	325.63	325.62	206.13	206.2	206.17	2.73	0.15
RN-20-09	March 17 ,2020	88.50	ALTZN	276.74	276.74	276.74	174.46	174.48	174.47	2.71	0.11
RN-20-09	March 17 ,2020	108.00	ALTZN	632.85	632.82	632.84	398.44	398.43	398.44	2.70	0.19
RN-20-09	March 17 ,2020	127.70	IVOLCtuf	202.3	202.28	202.29	127.59	127.59	127.59	2.71	0.01
RN-20-09	March 17 ,2020	147.00	IVOLCtuf	306.08	306.08	306.08	193.46	193.50	193.48	2.72	0.15
RN-20-09	March 17 ,2020	173.70	QTZ	502.07	502.07	502.07	312.46	312.5	312.48	2.65	0
RN-20-09	March 17 ,2020	186.00	ALTZN	391.69	391.73	391.71	247.42	247.44	247.43	2.71	0.14

*Ohaus Scout SJX 1502N/E Balance    Terraplug KT-5 Magnetic Susceptibility Meter*

**Oriented Core**

BHID	Depth	Core Angle	Alpha	Beta	Contact	Foliation	Bedding/Banding	QV	Fault gouge	Comment
RN-20-09	16		35	340			Bedding/Banding			
RN-20-09	32.10		30	5		Strong				
RN-20-09	39.20	85						2 cm		Cross cutting
RN-20-09	42.70		40	330		Moderate				
RN-20-09	50.00	60				Moderate				
RN-20-09	53.00	45					Bedding/Banding			
RN-20-09	59.00	50				Moderate				
RN-20-09	64.00	60				Moderate				
RN-20-09	77.00	40				Weak				
RN-20-09	79.30		40	350			Bedding/Banding			
RN-20-09	90.50		45	0			Bedding/Banding			
RN-20-09	95.10		25	330			Bedding/Banding			
RN-20-09	110.00	60						1 cm		
RN-20-09	116.50	55					Bedding/Banding			
RN-20-09	126.00	40					clast alignment			
RN-20-09	133.50	45				Moderate				
RN-20-09	140.20		35	350			Laminations			
RN-20-09	153.00	45					Laminations			
RN-20-09	162.50	45				Weak				
RN-20-09	165.80		40	330			Bedding/Banding			
RN-20-09	171.00	45					Bedding/Banding			

BHID	From	To	Recovery	RQD	Comments	Recovery %	RQD %	Rank
RN-20-09	0.0	11.0	CAS					
RN-20-09	11.0	12.0	1.0	0.7		100	70	Fair
RN-20-09	12.0	15.0	3.0	2.9		100	97	Excellent
RN-20-09	15.0	18.0	3.0	3.0		100	100	Excellent
RN-20-09	18.0	21.0	3.0	2.9		100	97	Excellent
RN-20-09	21.0	24.0	3.0	2.6		100	87	Good
RN-20-09	24.0	27.0	3.0	2.9		100	97	Excellent
RN-20-09	27.0	30.0	3.0	3.0		100	100	Excellent
RN-20-09	30.0	33.0	3.0	2.8		100	93	Excellent
RN-20-09	33.0	36.0	3.0	2.6		100	87	Good
RN-20-09	36.0	39.0	3.0	2.6		100	87	Good
RN-20-09	39.0	42.0	3.0	2.7		100	90	Excellent
RN-20-09	42.0	45.0	3.0	2.6		100	87	Good
RN-20-09	45.0	48.0	3.0	2.9		100	97	Excellent
RN-20-09	48.0	51.0	3.0	2.9		100	97	Excellent
RN-20-09	51.0	54.0	3.0	2.7		100	90	Excellent
RN-20-09	54.0	57.0	3.0	2.7		100	90	Excellent
RN-20-09	57.0	60.0	3.0	1.9		100	63	Fair
RN-20-09	60.0	63.0	3.0	2.6		100	87	Good
RN-20-09	63.0	66.0	2.9	3.0		97	100	Excellent
RN-20-09	66.0	69.0	3.0	2.9		100	97	Excellent
RN-20-09	69.0	72.0	3.0	2.9		100	97	Excellent
RN-20-09	72.0	75.0	3.0	2.9		100	97	Excellent
RN-20-09	75.0	78.0	3.0	2.8		100	93	Excellent
RN-20-09	78.0	81.0	3.0	2.9		100	97	Excellent
RN-20-09	81.0	84.0	3.0	3.0		100	100	Excellent
RN-20-09	84.0	87.0	3.0	3.0		100	100	Excellent
RN-20-09	87.0	90.0	3.0	3.0		100	100	Excellent
RN-20-09	90.0	93.0	3.0	3.0		100	100	Excellent
RN-20-09	93.0	96.0	3.0	3.0		100	100	Excellent
RN-20-09	96.0	99.0	3.0	3.0		100	100	Excellent
RN-20-09	99.0	102.0	3.0	2.9		100	97	Excellent
RN-20-09	102.0	105.0	3.0	2.0		100	67	Fair

Rock Quality Designation Deere 1963

Usefulness of Rock Quality Designation in Determining Strength of Rocks Lucien C. 2013

RN-20-09	105.0	108.0	2.9	1.1		97	37	Poor
RN-20-09	108.0	111.0	3.0	0.6		100	20	Very Poor
RN-20-09	111.0	114.0	3.0	0.7		100	23	Very Poor
RN-20-09	114.0	117.0	3.0	2.9		100	97	Excellent
RN-20-09	117.0	120.0	3.0	2.7		100	90	Excellent
RN-20-09	120.0	123.0	3.0	2.9		100	97	Excellent
RN-20-09	123.0	126.0	3.0	2.8		100	93	Excellent
RN-20-09	126.0	129.0	3.0	2.9		100	97	Excellent
RN-20-09	129.0	132.0	3.0	2.8		100	93	Excellent
RN-20-09	132.0	135.0	3.0	2.5		100	83	Good
RN-20-09	135.0	138.0	3.0	2.8		100	93	Excellent
RN-20-09	138.0	141.0	3.0	3.0		100	100	Excellent
RN-20-09	141.0	144.0	3.0	2.8		100	93	Excellent
RN-20-09	144.0	147.0	3.0	2.8		100	93	Excellent
RN-20-09	147.0	150.0	3.0	2.9		100	97	Excellent

BHID	Sample	From	To	Width	Stand/blank	Litho	Py %	Qtz Veins %	Comment	Au-AA23 Au ppm
RN-20-09	W934421	26.0	27.0	1.0		IVOLCtuf		1		<0.005
RN-20-09	W934422	27.0	28.0	1.0		IVOLCtuf		1		<0.005
RN-20-09	W934423	28.0	29.0	1.0		IVOLCtuf		1		<0.005
RN-20-09	W934424	29.0	30.0	1.0		IVOLCtuf		2		<0.005
RN-20-09	W934425	30.0	31.0	1.0		IVOLCtuf		2		0.007
RN-20-09	W934426	31.0	32.0	1.0		IVOLCtuf		10		<0.005
RN-20-09	W934427	32.0	33.0	1.0		IVOLCtuf				0.024
RN-20-09	W934428	33.0	34.0	1.0		IVOLCtuf		1		0.005
RN-20-09	W934429	34.0	35.0	1.0		IVOLCtuf				<0.005
RN-20-09	W934430				Blank					<0.005
RN-20-09	W934431	35.0	36.0	1.0		IVOLCtuf				<0.005
RN-20-09	W934432	36.0	37.0	1.0		ALTZN		1		0.015
RN-20-09	W934433	37.0	38.0	1.0		ALTZN		1		0.013
RN-20-09	W934434	38.0	39.0	1.0		ALTZN		1		0.045
RN-20-09	W934435	39.0	40.0	1.0		ALTZN		15		0.123
RN-20-09	W934436	40.0	41.0	1.0		ALTZN		2		0.023
RN-20-09	W934437				OREAS 228					8.45
RN-20-09	W934438	41.0	42.0	1.0		ALTZN				0.007
RN-20-09	W934439	42.0	43.0	1.0		ALTZN		1		0.006
RN-20-09	W934440	43.0	44.0	1.0		ALTZN				0.049
RN-20-09	W934441	44.0	45.0	1.0		ALTZN		1		0.182
RN-20-09	W934442	45.0	46.0	1.0		ALTZN		2		0.028
RN-20-09	W934443	46.0	47.0	1.0		ALTZN		3		0.018
RN-20-09	W934444	47.0	48.0	1.0		ALTZN		3		0.008
RN-20-09	W934445	48.0	49.0	1.0		ALTZN		3		0.005
RN-20-09	W934446	49.0	50.0	1.0		ALTZN		10		<0.005
RN-20-09	W934447	50.0	51.0	1.0		ALTZN		3		0.019
RN-20-09	W934448	51.0	52.0	1.0		ALTZN		5		0.775
RN-20-09	W934449	52.0	53.0	1.0		ALTZN		75		0.686
RN-20-09	W934450	53.0	54.0	1.0		ALTZN		2		0.099
RN-20-09	W934469	54.0	55.0	1.0		ALTZN		3		0.114
RN-20-09	W934470				Blank					<0.005



RN-20-09	W934471	55.0	56.0	1.0		ALTZN		3		0.01
RN-20-09	W934472	56.0	57.0	1.0		ALTZN		1		<0.005
RN-20-09	W934473	57.0	58.0	1.0		ALTZN				0.037
RN-20-09	W934474	58.0	59.0	1.0		ALTZN				0.021
RN-20-09	W934475				OREAS 219					0.764
RN-20-09	W934476	59.0	60.0	1.0		ALTZN		10		0.078
RN-20-09	W934477	60.0	61.0	1.0		ALTZN				0.047
RN-20-09	W934478	63.0	63.8	0.8		IVOLCtuf				0.006
RN-20-09	W934479	63.8	65.2	1.4		ALTZN		2		0.026
RN-20-09	W934480	65.2	66.0	0.8		ALTZN		1		<0.005
RN-20-09	W934481	66.0	67.4	1.4		IVOLCtuf				0.031
RN-20-09	W934482	67.4	68.0	0.6		IVOLCtuf		25		0.459
RN-20-09	W934483	68.0	69.0	1.0		IVOLCtuf				0.13
RN-20-09	W934484	97.4	98.0	0.6		IVOLCtuf		1		<0.005
RN-20-09	W934485	98.0	99.0	1.0		IVOLCtuf				<0.005
RN-20-09	W934486	99.0	100.0	1.0		IVOLCtuf		2		<0.005
RN-20-09	W934487	100.0	101.0	1.0		IVOLCtuf		1		0.006
RN-20-09	W934488	101.0	102.0	1.0		IVOLCtuf		2		<0.005
RN-20-09	W934489	102.0	103.0	1.0		IVOLCtuf		2		<0.005
RN-20-09	W934490	103.0	103.6	0.6		IVOLCtuf				<0.005
RN-20-09	W934491	107.0	107.5	0.5		IVOLCarg		1		0.006
RN-20-09	W934492	107.5	108.5	1.0		ALTZN		3		0.017
RN-20-09	W934493	108.5	109.5	1.0		ALTZN		3		0.263
RN-20-09	W934494	109.5	110.5	1.0		ALTZN		25		0.724
RN-20-09	W934495				OREAS 223					1.77
RN-20-09	W934496	110.5	111.5	1.0		IVOLCarg		1		0.02
RN-20-09	W934497	132.0	133.2	1.2		IVOLCtufblk				<0.005
RN-20-09	W934498	133.2	134.0	0.8		ALTZN		10		0.007
RN-20-09	W934499	134.0	135.0	1.0		ALTZN		5		0.067
RN-20-09	W934500	135.0	136.0	1.0		ALTZN		1		0.033
RN-20-09	W930001	136.0	137.0	1.0		ALTZN		2		0.053
RN-20-09	W930002	137.0	138.0	1.0		ALTZN		10		0.592
RN-20-09	W930003	138.0	139.0	1.0		IVOLCtufblk		1		<0.005
RN-20-09	W930004	148.0	149.0	1.0		IVOLCtufblk		10		<0.005

RN-20-09	W930005	149.0	150.0	1.0		ALTZN				<0.005
RN-20-09	W930006	150.0	151.0	1.0		ALTZN		1		0.011
RN-20-09	W930007	151.0	152.0	1.0		ALTZN		2		0.029
RN-20-09	W930008	152.0	153.0	1.0		ALTZN		1		1.545
RN-20-09	W930009	153.0	154.0	1.0		IVOLCtuf		1		0.006

## Appendix C: 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: **ROCKRIDGE RESOURCES LTD.**  
**1610-777 DUNSMUIR ST**  
**VANCOUVER BC V7Y 1K4**

**Page: 1**  
**Total # Pages: 3 (A)**  
**Plus Appendix Pages**  
**Finalized Date: 19-MAR-2020**  
**This copy reported on**  
**20-MAR-2020**  
**Account: RRLWWCLU**

**CERTIFICATE TM20045179**

Project: Raney Project

This report is for 53 Drill Core samples submitted to our lab in Timmins, ON, Canada on 26-FEB-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **ROCKRIDGE RESOURCES LTD.**  
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**VANCOUVER BC V7Y 1K4**

Page: 2 - A  
 Total # Pages: 3 (A)  
 Plus Appendix Pages  
 Finalized Date: 19-MAR-2020  
 Account: RRLWWCLU

Project: Raney Project

<b>CERTIFICATE OF ANALYSIS TM20045179</b>
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
X948751		2.22	0.057
X948752		1.48	0.315
X948753		2.57	0.024
X948754		2.44	0.063
X948755		2.83	0.040
X948756		0.06	0.762
X948757		2.61	0.059
X948758		1.98	0.179
X948759		0.79	<0.005
X948760		2.68	0.006
X948761		2.53	0.016
X948762		2.42	0.021
X948763		2.70	0.594
X948764		2.61	0.025
X948765		2.31	0.135
X948766		2.19	0.031
X948767		2.59	0.049
X948768		2.06	0.105
X948769		0.64	<0.005
X948770		2.33	0.167
X948771		2.52	0.149
X948772		2.50	2.26
X948773		0.06	0.771
X948774		2.34	1.035
X948775		2.63	0.024
X948776		2.54	0.044
X948777		2.10	0.259
X948778		2.08	0.041
X948779		2.95	1.060
X948780		2.79	0.213
X948781		2.21	0.099
X948782		0.76	<0.005
X948783		2.57	1.680
X948784		2.52	0.635
X948785		2.27	3.15
X948786		0.06	1.810
X948787		2.34	0.374
X948788		2.38	0.211
X948789		2.58	0.107
X948790		2.33	0.011



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20045179**

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23
		Recvd Wt. kg 0.02	Au ppm 0.005
X948791		2.76	0.005
X948792		2.27	0.129
X948793		2.53	0.103
X948794		2.60	0.008
X948795		2.58	0.018
X948796		0.81	0.005
X948797		2.55	0.073
X948798		2.70	0.055
X948799		2.11	0.130
X948800		0.06	0.762
X948801		2.49	0.327
X948802		3.77	0.253
X948803		2.04	0.319



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20045179**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA23

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-22 LOG-23  
PUL-32 PUL-QC SPL-21 WEI-21



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Account: RRLWWCLU

**CERTIFICATE TM20049259**

Project: Raney Project

This report is for 61 Drill Core samples submitted to our lab in Timmins, ON, Canada on 2-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING

TODD KEAST

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
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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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20049259**

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21
		Recvd Wt. kg	Au ppm	Au ppm
		0.02	0.005	0.05
X948804		1.80	0.544	
X948805		2.53	<0.005	
X948806		2.46	0.010	
X948807		2.48	0.082	
X948808		3.47	0.327	
X948809		2.90	0.031	
X948810		2.96	0.025	
X948811		2.56	0.021	
X948812		0.63	<0.005	
X948813		3.43	2.25	
X948814		2.64	0.014	
X948815		2.37	0.040	
X948816		1.94	1.015	
X948817		2.21	0.440	
X948818		0.06	0.756	
X948819		2.36	0.121	
X948820		2.60	0.402	
X948821		2.37	0.158	
X948822		0.70	<0.005	
X948823		2.46	0.020	
X948824		2.50	<0.005	
X948825		2.47	<0.005	
X948826		2.27	0.012	
X948827		1.68	0.074	
X948828		1.18	0.093	
X948829		1.65	0.041	
X948830		2.19	0.008	
X948831		2.55	0.061	
X948832		2.44	0.036	
X948833		2.11	0.237	
X948834		2.17	1.845	
X948835		2.08	1.015	
X948836		2.31	>10.0	8.31
X948837		2.23	0.115	
X948838		2.25	0.008	
X948839		2.08	4.24	
X948840		2.40	0.581	
X948841		2.62	0.456	
X948842		0.06	0.759	
X948843		2.45	0.246	



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20049259**

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21
		Recvd Wt. kg	Au ppm	Au ppm
		0.02	0.005	0.05
X948844		2.04	0.452	
X948845		2.31	0.340	
X948846		2.44	0.251	
X948847		2.56	0.027	
X948848		0.97	0.031	
X948849		2.33	0.427	
X948850		2.46	0.192	
X948851		3.13	0.939	
X948852		2.31	0.213	
X948853		2.57	0.038	
X948854		2.71	0.013	
X948855		0.06	8.88	
X948856		1.90	0.070	
X948857		2.59	1.180	
X948858		0.69	<0.005	
X948859		2.56	0.086	
X948860		2.28	0.042	
X948861		2.40	0.047	
X948862		2.33	0.207	
X948863		2.24	0.072	
X948864		2.20	0.063	



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20049259**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA23 Au-GRA21

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-22 LOG-23  
PUL-32 PUL-QC SPL-21 WEI-21



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**CERTIFICATE TM20068296**

Project: Raney Project

This report is for 18 Drill Core samples submitted to our lab in Timmins, ON, Canada on 23-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver



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Project: Raney Project

<b>CERTIFICATE OF ANALYSIS    TM20068296</b>
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934451		2.42	0.009
W934452		2.49	<0.005
W934453		2.39	<0.005
W934454		2.14	<0.005
W934455		1.97	0.119
W934456		2.23	<0.005
W934457		2.48	<0.005
W934458		2.10	0.017
W934459		2.10	0.180
W934460		2.10	0.515
W934461		0.31	<0.005
W934462		2.36	0.298
W934463		2.43	0.005
W934464		2.25	0.045
W934465		0.06	0.771
W934466		2.32	0.393
W934467		2.49	0.964
W934468		2.21	0.025



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20068296**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA23

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-22 LOG-23  
PUL-32 PUL-QC SPL-21 WEI-21



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**CERTIFICATE TM20055576**

Project: Raney Project

This report is for 98 Drill Core samples submitted to our lab in Timmins, ON, Canada on 9-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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.

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**Signature:**   
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 Account: RRLWWCLU

Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20055576
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
X948865		2.44	<0.005
X948866		1.55	<0.005
X948867		1.77	<0.005
X948868		2.36	<0.005
X948869		2.47	<0.005
X948870		2.23	<0.005
X948871		2.34	<0.005
X948872		2.41	0.612
X948873		2.24	0.117
X948874		2.23	<0.005
X948875		0.06	0.842
X948876		2.47	<0.005
X948877		1.94	0.038
X948878		2.14	0.092
X948879		2.43	<0.005
X948880		3.41	<0.005
X948881		2.02	0.017
X948882		1.86	0.296
X948883		2.43	0.551
X948884		2.09	0.163
X948885		0.59	<0.005
X948886		2.17	0.136
X948887		1.37	0.074
X948888		2.30	0.053
X948889		2.66	<0.005
X948890		2.19	0.018
X948891		2.89	0.011
X948892		0.06	0.755
X948893		2.84	0.011
X948894		2.36	<0.005
X948895		2.77	<0.005
X948896		2.43	<0.005
X948897		0.50	<0.005
X948898		2.57	0.028
X948899		2.51	0.075
X948900		2.27	0.299
X948901		2.16	0.141
X948902		2.01	0.022
X948903		2.30	<0.005
X948904		2.14	0.007





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Project: Raney Project

<b>CERTIFICATE OF ANALYSIS TM20055576</b>
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
X948905		1.92	0.025
X948906		2.14	0.022
X948907		1.99	<0.005
X948908		2.80	0.060
X948909		2.38	0.010
X948910		2.62	0.119
X948911		2.33	0.061
X948912		2.24	0.673
X948913		2.38	0.079
X948914		2.29	0.005
X948915		0.05	1.790
X948916		1.94	0.021
X948917		2.48	<0.005
X948918		2.17	0.099
X948919		2.38	0.902
X948920		2.40	0.383
X948921		0.49	<0.005
X948922		2.54	0.364
X948923		2.33	0.075
X948924		2.21	0.269
X948925		2.12	6.56
X948926		2.06	0.129
X948927		2.41	0.230
X948928		2.35	0.012
X948929		2.47	0.033
X948930		2.41	0.121
X948931		2.40	0.118
X948932		2.43	0.070
X948933		2.15	0.185
X948934		2.06	0.156
X948935		2.22	0.308
X948936		0.06	8.64
X948937		2.21	0.239
X948938		2.46	0.073
X948939		2.39	0.404
X948940		2.26	0.325
X948941		0.41	<0.005
X948942		2.33	0.062
X948943		2.25	0.311
X948944		2.39	0.553



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Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20055576
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
X948945		2.17	0.051
X948946		2.44	0.181
X948947		1.98	0.091
X948948		2.19	0.218
X948949		2.31	0.194
X948950		2.10	0.042
W934001		2.25	0.009
W934002		2.35	0.382
W934003		2.39	0.073
W934004		1.93	<0.005
W934005		0.56	<0.005
W934006		2.39	0.019
W934007		2.34	<0.005
W934008		1.83	<0.005
W934009		2.25	0.248
W934010		2.09	0.257
W934011		0.06	0.891
W934012		2.04	0.050





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**CERTIFICATE TM20060101**

Project: Raney Project

This report is for 74 Drill Core samples submitted to our lab in Timmins, ON, Canada on 13-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20060101**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934013		2.52	0.503
W934014		2.11	0.030
W934015		2.39	0.005
W934016		2.67	0.193
W934017		2.38	0.020
W934018		2.09	0.060
W934019		2.52	0.295
W934020		2.47	0.225
W934021		0.47	<0.005
W934022		2.51	0.025
W934023		2.54	0.011
W934024		2.44	0.007
W934025		0.05	0.747
W934026		2.38	<0.005
W934027		2.63	<0.005
W934028		2.41	0.229
W934029		2.33	0.021
W934030		2.54	0.007
W934031		2.49	0.015
W934032		2.27	0.393
W934033		2.36	0.663
W934034		2.36	0.339
W934035		2.18	0.098
W934036		2.04	0.025
W934037		2.38	<0.005
W934038		2.42	<0.005
W934039		2.57	0.005
W934040		0.58	<0.005
W934041		2.49	<0.005
W934042		2.38	0.049
W934043		2.10	0.026
W934044		2.45	<0.005
W934045		2.31	0.006
W934046		2.25	0.095
W934047		2.56	0.033
W934048		2.23	0.017
W934049		2.27	0.066
W934050		3.75	0.097
W934051		3.55	0.037
W934052		2.33	<0.005



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 Account: RRLWWCLU

Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20060101
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934053		0.06	1.755
W934054		2.45	0.142
W934055		1.98	0.009
W934056		2.29	<0.005
W934057		2.54	0.018
W934058		2.33	0.082
W934059		2.62	0.007
W934060		0.49	<0.005
W934061		2.39	<0.005
W934062		2.66	0.169
W934063		2.14	0.255
W934064		2.42	0.028
W934065		2.32	0.024
W934066		2.34	<0.005
W934067		2.56	<0.005
W934068		2.17	<0.005
W934069		2.30	<0.005
W934070		2.40	0.120
W934071		2.67	0.005
W934072		2.02	<0.005
W934073		0.06	0.754
W934074		2.48	<0.005
W934075		2.55	0.174
W934076		2.38	0.307
W934077		2.45	<0.005
W934078		2.35	0.358
W934079		2.56	0.094
W934080		0.49	<0.005
W934081		2.37	0.016
W934082		2.45	0.037
W934083		2.33	0.016
W934084		2.37	0.122
W934085		2.39	0.017
W934086		2.73	0.006



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Account: **RRLWWCLU**

Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20060101**

<b>CERTIFICATE COMMENTS</b>											
	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA23</p> <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table><tr><td>Applies to Method:</td><td>CRU-31</td><td>CRU-QC</td><td>LOG-22</td><td>LOG-23</td></tr><tr><td></td><td>PUL-32</td><td>PUL-QC</td><td>SPL-21</td><td>WEI-21</td></tr></table>	Applies to Method:	CRU-31	CRU-QC	LOG-22	LOG-23		PUL-32	PUL-QC	SPL-21	WEI-21
Applies to Method:	CRU-31	CRU-QC	LOG-22	LOG-23							
	PUL-32	PUL-QC	SPL-21	WEI-21							



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**CERTIFICATE TM20064190**

Project: Raney Project

This report is for 56 Drill Core samples submitted to our lab in Timmins, ON, Canada on 18-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver





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 Account: RRLWWCLU

Project: Raney Project

<b>CERTIFICATE OF ANALYSIS TM20064190</b>
---

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934087		2.36	<0.005
W934088		2.23	6.45
W934089		2.42	0.011
W934090		2.48	0.012
W934091		2.48	<0.005
W934092		2.44	0.014
W934093		2.41	0.012
W934094		0.62	<0.005
W934095		1.94	0.051
W934096		2.45	0.013
W934097		2.09	0.022
W934098		1.93	0.010
W934099		3.41	0.017
W934100		2.34	<0.005
W934101		2.19	<0.005
W934102		2.46	0.018
W934103		2.70	0.067
W934104		0.06	1.770
W934105		2.36	0.036
W934106		2.74	0.008
W934107		2.49	<0.005
W934108		2.42	<0.005
W934109		1.94	0.018
W934110		2.33	<0.005
W934111		0.49	<0.005
W934112		2.20	0.114
W934113		2.42	0.007
W934114		2.47	0.036
W934115		2.31	0.039
W934116		2.65	0.022
W934117		2.12	2.23
W934118		2.22	0.338
W934119		2.03	0.070
W934120		1.83	0.043
W934121		2.18	0.005
W934122		2.25	0.520
W934123		2.46	0.006
W934124		2.24	0.013
W934125		2.69	0.015
W934126		2.16	0.017



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Project: Raney Project

<b>CERTIFICATE OF ANALYSIS    TM20064190</b>
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934127		0.07	0.765
W934128		2.27	0.152
W934129		2.13	0.021
W934130		2.12	0.040
W934131		2.50	0.018
W934132		2.55	0.025
W934133		2.28	0.012
W934134		2.70	0.011
W934135		2.36	0.550
W934136		2.26	0.578
W934137		2.31	0.124
W934138		0.48	<0.005
W934139		2.57	0.106
W934140		2.51	0.017
W934141		2.28	<0.005
W934142		3.51	<0.005





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**CERTIFICATE TM20065535**

Project: Raney Project

This report is for 108 Drill Core samples submitted to our lab in Timmins, ON, Canada on 19-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver



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Project: Raney Project

<b>CERTIFICATE OF ANALYSIS TM20065535</b>
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934143		2.50	0.013
W934144		1.17	3.37
W934145		2.36	0.005
W934146		2.19	0.025
W934147		2.60	0.008
W934148		2.39	0.026
W934149		2.33	0.103
W934150		0.45	0.008
W934151		3.23	0.100
W934152		2.09	<0.005
W934153		2.60	0.055
W934154		2.34	0.005
W934155		2.55	<0.005
W934156		2.07	0.168
W934157		0.06	0.771
W934158		2.53	0.027
W934159		2.20	0.021
W934160		2.15	<0.005
W934161		2.44	0.247
W934162		2.15	<0.005
W934163		2.08	0.208
W934164		2.45	0.029
W934165		2.33	0.199
W934166		2.25	0.544
W934167		2.27	0.390
W934168		2.41	0.063
W934169		0.47	0.005
W934170		2.40	0.013
W934171		2.21	0.017
W934172		1.94	0.040
W934173		2.66	<0.005
W934174		2.10	0.019
W934175		2.39	<0.005
W934176		2.42	0.005
W934177		2.50	0.407
W934178		2.30	0.313
W934179		2.34	0.039
W934180		2.62	0.022
W934181		2.40	0.038
W934182		2.48	<0.005



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Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20065535
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934183		2.15	0.108
W934184		2.01	0.045
W934185		1.91	<0.005
W934186		2.16	<0.005
W934187		2.31	<0.005
W934188		2.53	<0.005
W934189		2.45	0.370
W934190		2.37	0.161
W934191		0.42	<0.005
W934192		2.49	0.029
W934193		2.02	0.049
W934194		2.16	0.020
W934195		0.05	1.765
W934196		2.43	0.243
W934197		2.37	0.176
W934198		2.40	0.007
W934199		2.79	0.023
W934200		1.81	0.074
W934201		2.55	0.009
W934202		2.48	0.026
W934203		2.35	0.013
W934204		1.95	0.024
W934205		2.04	0.021
W934206		1.18	0.030
W934207		2.15	0.008
W934208		2.31	0.008
W934209		2.09	0.005
W934210		2.43	<0.005
W934211		2.26	<0.005
W934212		2.36	<0.005
W934213		2.04	0.017
W934214		0.42	<0.005
W934215		3.50	0.093
W934216		2.06	0.160
W934217		2.52	0.006
W934218		2.60	0.009
W934219		0.04	0.765
W934220		1.99	0.045
W934221		2.12	2.93
W934222		2.14	0.943



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Project: Raney Project

<b>CERTIFICATE OF ANALYSIS    TM20065535</b>
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934223		2.25	0.050
W934224		1.26	0.047
W934225		2.04	0.655
W934226		1.13	0.723
W934227		0.75	0.116
W934229		1.01	0.046
W934230		1.13	0.013
W934231		2.26	0.008
W934232		0.42	<0.005
W934233		2.30	<0.005
W934234		2.05	<0.005
W934235		2.01	0.005
W934236		2.07	0.007
W934237		2.15	0.005
W934238		0.06	0.781
W934239		2.23	<0.005
W934240		2.38	0.025
W934241		2.07	3.76
W934242		2.40	0.022
W934243		2.66	<0.005
W934244		2.28	0.039
W934245		2.31	<0.005
W934246		2.31	0.010
W934247		0.28	<0.005
W934248		2.32	<0.005
W934249		2.23	0.008
W934250		2.16	0.019
W934251		2.27	0.009

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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20065535**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA23

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-22 LOG-23  
PUL-32 PUL-QC SPL-21 WEI-21





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**CERTIFICATE TM20066457**

Project: Raney Project

This report is for 1 Drill Core sample submitted to our lab in Timmins, ON, Canada on 19-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-21	Dry Screen 1kg to 106um
CRU-QC	Crushing QC Test
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
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

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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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20066457**

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-GRA22 Au ppm 0.05	Au-GRA22d Au ppm 0.05
W934228		1.37	560	10800	323	213.54	19.80	853.8	320	326



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20066457**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-GRA22 Au-GRA22d Au-SCR24

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-22 PUL-32  
PUL-QC SCR-21 SPL-21 WEI-21



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 Account: RRLWCLU

**CERTIFICATE TM20068293**

Project: Raney Project

This report is for 108 Drill Core samples submitted to our lab in Timmins, ON, Canada on 23-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **ROCKRIDGE RESOURCES LTD.**  
 1610-777 DUNSMUIR ST  
 VANCOUVER BC V7Y 1K4

Page: 2 - A  
 Total # Pages: 4 (A)  
 Plus Appendix Pages  
 Finalized Date: 25-APR-2020  
 Account: RRLWWCLU

Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20068293
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934252		2.68	0.008
W934253		2.33	0.407
W934254		2.61	1.625
W934255		2.37	0.097
W934256		1.86	0.605
W934257		2.47	0.342
W934258		2.50	0.051
W934259		1.83	0.067
W934260		2.07	0.452
W934261		2.54	0.011
W934262		2.22	0.011
W934263		2.41	0.017
W934264		2.43	0.025
W934265		1.88	0.007
W934266		2.52	0.019
W934267		0.22	<0.005
W934268		2.32	0.013
W934269		2.19	0.252
W934270		2.46	0.015
W934271		0.06	8.80
W934272		2.11	0.309
W934273		2.25	0.060
W934274		2.53	2.82
W934275		2.17	0.013
W934276		0.30	0.005
W934277		1.97	<0.005
W934278		4.06	<0.005
W934279		2.02	<0.005
W934280		2.08	<0.005
W934281		2.58	<0.005
W934282		2.09	<0.005
W934283		2.39	<0.005
W934284		2.15	<0.005
W934285		2.13	0.017
W934286		2.01	<0.005
W934287		0.21	<0.005
W934288		1.97	<0.005
W934289		2.41	<0.005
W934290		1.94	<0.005
W934291		2.16	0.009



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Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20068293
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934292		2.15	<0.005
W934293		0.06	0.741
W934294		3.44	0.036
W934295		1.95	0.120
W934296		2.02	0.051
W934297		2.45	0.339
W934298		2.00	1.825
W934299		2.10	0.964
W934300		2.27	0.052
W934301		2.12	0.663
W934302		2.12	<0.005
W934303		0.06	1.705
W934304		2.36	0.194
W934305		0.23	<0.005
W934306		2.49	0.059
W934307		2.37	<0.005
W934308		1.95	0.009
W934309		2.11	0.029
W934310		1.81	0.197
W934311		2.44	0.070
W934312		2.43	0.015
W934313		2.25	<0.005
W934314		2.45	0.059
W934315		2.39	0.267
W934316		2.34	0.205
W934317		1.17	0.088
W934318		1.97	<0.005
W934319		2.43	<0.005
W934320		2.35	0.121
W934321		2.47	0.895
W934322		1.44	0.180
W934323		1.95	0.223
W934324		2.58	0.086
W934325		2.49	0.015
W934326		2.28	0.006
W934327		0.06	0.752
W934328		2.10	0.043
W934329		2.15	0.013
W934330		2.12	0.105
W934331		2.53	0.010



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Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20068293
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934332		0.22	<0.005
W934333		2.19	0.007
W934334		2.24	0.184
W934335		2.57	0.022
W934336		2.37	0.032
W934337		2.41	<0.005
W934338		2.22	0.023
W934339		2.19	0.345
W934340		2.50	0.216
W934341		2.41	0.059
W934342		2.19	0.108
W934343		1.07	0.057
W934344		2.21	<0.005
W934345		2.04	0.041
W934346		2.33	0.039
W934347		1.95	<0.005
W934348		2.19	<0.005
W934349		2.04	<0.005
W934350		2.11	0.021
W934351		2.27	0.183
W934352		2.57	0.006
W934353		2.10	<0.005
W934354		0.06	0.839
W934355		2.32	0.065
W934356		2.16	0.098
W934357		2.00	0.010
W934358		2.01	0.129
W934359		2.02	0.050

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



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Page: **Appendix 1**  
Total # Appendix Pages: **1**  
Finalized Date: **25-APR-2020**  
Account: **RRLWWCLU**

Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20068293**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA23

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-22 LOG-23  
PUL-32 PUL-QC SPL-21 WEI-21





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Page: 1  
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 Finalized Date: 23-APR-2020  
 Account: RRLWCLU

**CERTIFICATE TM20069281**

Project: Raney Project

This report is for 61 Drill Core samples submitted to our lab in Timmins, ON, Canada on 23-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Page: 2 - A  
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 Plus Appendix Pages  
 Finalized Date: 23-APR-2020  
 Account: RRLWWCLU

Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20069281
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934360		1.74	0.047
W934361		2.18	0.207
W934362		2.37	0.130
W934363		1.84	0.086
W934364		1.97	0.042
W934365		1.92	1.770
W934366		2.25	0.128
W934367		2.22	0.007
W934368		2.38	0.020
W934369		2.50	0.035
W934370		2.16	0.117
W934371		2.21	0.021
W934372		0.23	0.006
W934373		2.30	0.008
W934374		2.14	0.007
W934375		2.24	0.027
W934376		2.57	0.050
W934377		2.41	0.050
W934378		2.51	0.019
W934379		1.66	0.019
W934380		2.87	0.141
W934381		2.42	0.036
W934382		2.47	0.010
W934383		0.06	1.815
W934384		2.06	0.112
W934385		2.33	0.053
W934386		2.20	0.513
W934387		2.35	0.236
W934388		2.42	<0.005
W934389		2.65	0.034
W934390		2.27	<0.005
W934391		2.36	<0.005
W934392		2.52	<0.005
W934393		2.36	<0.005
W934394		2.12	<0.005
W934395		2.05	<0.005
W934396		1.99	0.007
W934397		3.74	0.026
W934398		0.26	<0.005
W934399		2.22	0.088



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Finalized Date: 23-APR-2020  
 Account: RRLWWCLU

Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20069281**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934400		2.35	1.035
W934401		2.37	0.007
W934402		0.06	0.749
W934403		2.46	0.008
W934404		2.35	0.028
W934405		1.75	0.143
W934406		2.63	<0.005
W934407		2.24	<0.005
W934408		2.43	0.018
W934409		2.18	0.281
W934410		2.13	0.865
W934411		1.83	0.964
W934412		0.19	0.008
W934413		2.19	0.011
W934414		2.09	0.014
W934415		2.58	0.005
W934416		2.63	<0.005
W934417		1.97	<0.005
W934418		2.43	0.006
W934419		2.36	0.105
W934420		3.60	0.006

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



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North Vancouver BC V7H 0A7  
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Finalized Date: 23-APR-2020  
Account: RRLWWCLU

Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20069281**

<b>CERTIFICATE COMMENTS</b>											
	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA23</p> <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table><tr><td>Applies to Method:</td><td>CRU-31</td><td>CRU-QC</td><td>LOG-22</td><td>LOG-23</td></tr><tr><td></td><td>PUL-32</td><td>PUL-QC</td><td>SPL-21</td><td>WEI-21</td></tr></table>	Applies to Method:	CRU-31	CRU-QC	LOG-22	LOG-23		PUL-32	PUL-QC	SPL-21	WEI-21
Applies to Method:	CRU-31	CRU-QC	LOG-22	LOG-23							
	PUL-32	PUL-QC	SPL-21	WEI-21							



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Page: 1  
 Total # Pages: 3 (A)  
 Plus Appendix Pages  
 Finalized Date: 27-APR-2020  
 Account: RRLWWCLU

**CERTIFICATE TM20071020**

Project: Raney Project

This report is for 71 Drill Core samples submitted to our lab in Timmins, ON, Canada on 26-MAR-2020.

The following have access to data associated with this certificate:

GRANT EWING	TODD KEAST
-------------	------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	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, General Manager, North Vancouver



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 2103 Dollarton Hwy  
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 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: RRLWWCLU

Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20071020
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934421		2.02	<0.005
W934422		2.06	<0.005
W934423		2.46	<0.005
W934424		2.49	<0.005
W934425		2.25	0.007
W934426		2.17	<0.005
W934427		2.38	0.024
W934428		2.50	0.005
W934429		2.33	<0.005
W934430		0.27	<0.005
W934431		2.05	<0.005
W934432		2.02	0.015
W934433		2.57	0.013
W934434		2.33	0.045
W934435		2.37	0.123
W934436		2.20	0.023
W934437		0.06	8.45
W934438		2.40	0.007
W934439		2.60	0.006
W934440		2.05	0.049
W934441		2.05	0.182
W934442		2.51	0.028
W934443		2.61	0.018
W934444		2.48	0.008
W934445		2.53	0.005
W934446		2.35	<0.005
W934447		2.44	0.019
W934448		2.58	0.775
W934449		2.37	0.686
W934450		2.41	0.099
W934469		2.43	0.114
W934470		0.24	<0.005
W934471		2.38	0.010
W934472		2.34	<0.005
W934473		2.16	0.037
W934474		2.27	0.021
W934475		0.06	0.764
W934476		2.38	0.078
W934477		2.51	0.047
W934478		1.76	0.006



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Project: Raney Project

CERTIFICATE OF ANALYSIS    TM20071020
---------------------------------------

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm
		0.02	0.005
W934479		3.62	0.026
W934480		2.09	<0.005
W934481		3.04	0.031
W934482		1.40	0.459
W934483		2.35	0.130
W934484		1.50	<0.005
W934485		1.47	<0.005
W934486		1.83	<0.005
W934487		2.16	0.006
W934488		2.15	<0.005
W934489		1.98	<0.005
W934490		1.55	<0.005
W934491		1.19	0.006
W934492		2.31	0.017
W934493		2.26	0.263
W934494		2.18	0.724
W934495		0.06	1.770
W934496		2.01	0.020
W934497		2.82	<0.005
W934498		1.94	0.007
W934499		2.56	0.067
W934500		2.58	0.033
W930001		2.22	0.053
W930002		2.28	0.592
W930003		2.17	<0.005
W930004		2.40	<0.005
W930005		1.92	<0.005
W930006		2.82	0.011
W930007		2.37	0.029
W930008		2.22	1.545
W930009		2.13	0.006



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Project: Raney Project

**CERTIFICATE OF ANALYSIS TM20071020**

<b>CERTIFICATE COMMENTS</b>									
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.            Au-AA23</p>								
Applies to Method:	<p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 17%;">LOG-23</td> </tr> <tr> <td>PUL-32</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-23	PUL-32	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-23						
PUL-32	PUL-QC	SPL-21	WEI-21						



## Appendix D: Claim Data

Table 1: Claim information for Rockridge Resources Ltd Raney Gold Property including the townships, tenure identification number, tenure type and anniversary date for each claim.

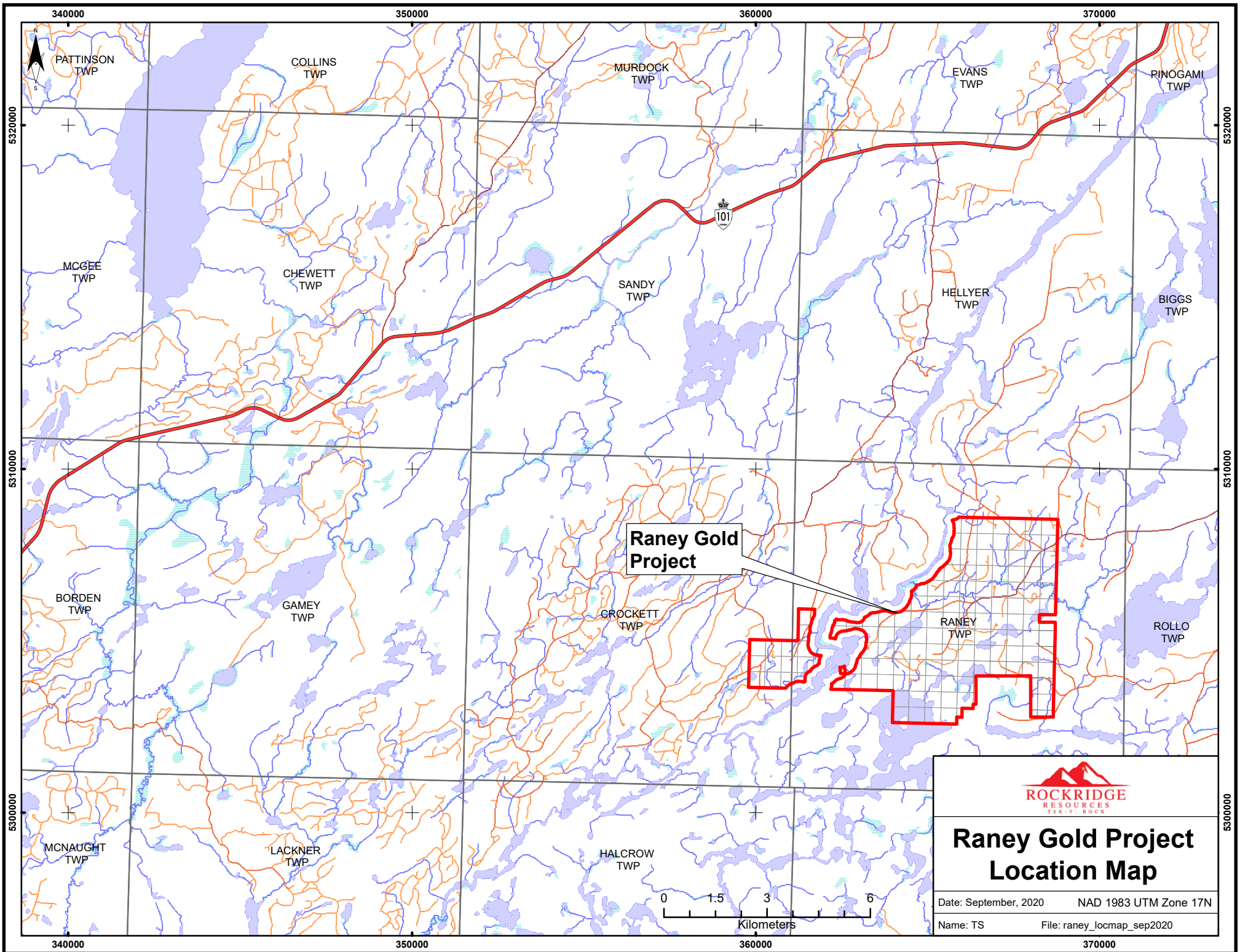
	Township / Area	Tenure ID	Tenure Type	Anniversary Date
1	RANEY	103895	Single Cell Mining Claim	2022-02-22
2	RANEY	112807	Boundary Cell Mining Claim	2022-10-19
3	RANEY	113009	Single Cell Mining Claim	2022-02-22
4	RANEY	129236	Single Cell Mining Claim	2022-04-13
5	RANEY	140419	Single Cell Mining Claim	2022-02-22
6	RANEY	140712	Single Cell Mining Claim	2022-04-13
7	RANEY	141225	Single Cell Mining Claim	2022-02-22
8	RANEY	141226	Single Cell Mining Claim	2022-02-22
9	RANEY	141227	Single Cell Mining Claim	2022-02-22
10	RANEY	144631	Single Cell Mining Claim	2022-10-19
11	RANEY	149363	Single Cell Mining Claim	2022-02-22
12	RANEY	152148	Single Cell Mining Claim	2022-02-22
13	RANEY	152149	Single Cell Mining Claim	2022-02-22
14	RANEY	155297	Single Cell Mining Claim	2022-02-22
15	RANEY	155298	Single Cell Mining Claim	2022-02-22
16	RANEY	159009	Single Cell Mining Claim	2022-02-22
17	RANEY	160484	Single Cell Mining Claim	2022-02-22
18	RANEY	163175	Single Cell Mining Claim	2022-05-03
19	RANEY	165112	Boundary Cell Mining Claim	2022-02-22
20	RANEY	168719	Boundary Cell Mining Claim	2022-02-22
21	RANEY	169976	Single Cell Mining Claim	2022-02-22
22	RANEY	174964	Single Cell Mining Claim	2022-02-22
23	RANEY	174965	Single Cell Mining Claim	2022-02-22
24	RANEY	174966	Single Cell Mining Claim	2022-05-03
25	RANEY	176713	Single Cell Mining Claim	2022-02-22
26	RANEY	176714	Single Cell Mining Claim	2022-02-22
27	RANEY	185861	Boundary Cell Mining Claim	2022-10-19
28	RANEY	192726	Single Cell Mining Claim	2022-05-03
29	RANEY	193041	Single Cell Mining Claim	2022-02-22
30	RANEY	194492	Single Cell Mining Claim	2022-02-22
31	RANEY	194493	Single Cell Mining Claim	2022-02-22
32	RANEY	194494	Single Cell Mining Claim	2022-10-19
33	RANEY	197474	Single Cell Mining Claim	2022-02-22
34	RANEY	197475	Single Cell Mining Claim	2022-02-22
35	RANEY	197476	Boundary Cell Mining Claim	2022-02-22

36	RANEY	220035	Single Cell Mining Claim	2022-02-22
37	RANEY	220036	Single Cell Mining Claim	2022-02-22
38	RANEY	224375	Boundary Cell Mining Claim	2022-02-22
39	RANEY	231309	Boundary Cell Mining Claim	2022-02-22
40	RANEY	231848	Boundary Cell Mining Claim	2022-02-22
41	RANEY	231849	Boundary Cell Mining Claim	2022-02-22
42	RANEY	235558	Single Cell Mining Claim	2022-10-19
43	RANEY	236528	Single Cell Mining Claim	2022-02-22
44	RANEY	241654	Single Cell Mining Claim	2022-02-22
45	RANEY	241655	Single Cell Mining Claim	2022-02-22
46	RANEY	241656	Single Cell Mining Claim	2022-02-22
47	RANEY	241657	Single Cell Mining Claim	2022-04-13
48	RANEY	249214	Single Cell Mining Claim	2022-02-22
49	RANEY	249215	Single Cell Mining Claim	2023-05-03
50	RANEY	261186	Single Cell Mining Claim	2022-02-22
51	RANEY	261187	Single Cell Mining Claim	2022-02-22
52	RANEY	264034	Single Cell Mining Claim	2022-02-22
53	RANEY	272775	Single Cell Mining Claim	2022-10-19
54	RANEY	272776	Single Cell Mining Claim	2022-10-19
55	RANEY	273952	Single Cell Mining Claim	2022-02-22
56	RANEY	273953	Single Cell Mining Claim	2022-02-22
57	RANEY	277858	Single Cell Mining Claim	2022-02-22
58	RANEY	279329	Boundary Cell Mining Claim	2022-02-22
59	RANEY	279869	Single Cell Mining Claim	2022-02-22
60	RANEY	300083	Single Cell Mining Claim	2022-02-22
61	RANEY	301329	Single Cell Mining Claim	2022-02-22
62	RANEY	303076	Boundary Cell Mining Claim	2022-10-19
63	RANEY	303077	Single Cell Mining Claim	2022-04-13
64	RANEY	303806	Single Cell Mining Claim	2022-02-22
65	RANEY	308986	Single Cell Mining Claim	2022-02-22
66	RANEY	308987	Single Cell Mining Claim	2022-02-22
67	RANEY	310551	Single Cell Mining Claim	2022-02-22
68	RANEY	310552	Single Cell Mining Claim	2022-02-22
69	RANEY	310553	Single Cell Mining Claim	2022-02-22
70	RANEY	315689	Single Cell Mining Claim	2022-10-19
71	RANEY	321506	Single Cell Mining Claim	2022-10-19
72	RANEY	322595	Single Cell Mining Claim	2022-04-13
73	RANEY	326684	Boundary Cell Mining Claim	2022-10-19
74	RANEY	327632	Boundary Cell Mining Claim	2022-02-22
75	RANEY	331710	Single Cell Mining Claim	2022-10-19
76	RANEY	333220	Single Cell Mining Claim	2022-02-22
77	RANEY	333221	Single Cell Mining Claim	2022-02-22

78	RANEY	336619	Single Cell Mining Claim	2022-02-22
79	RANEY	338285	Single Cell Mining Claim	2022-02-22

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**Appendix E: Drill Plans**



**Raney Gold Project**



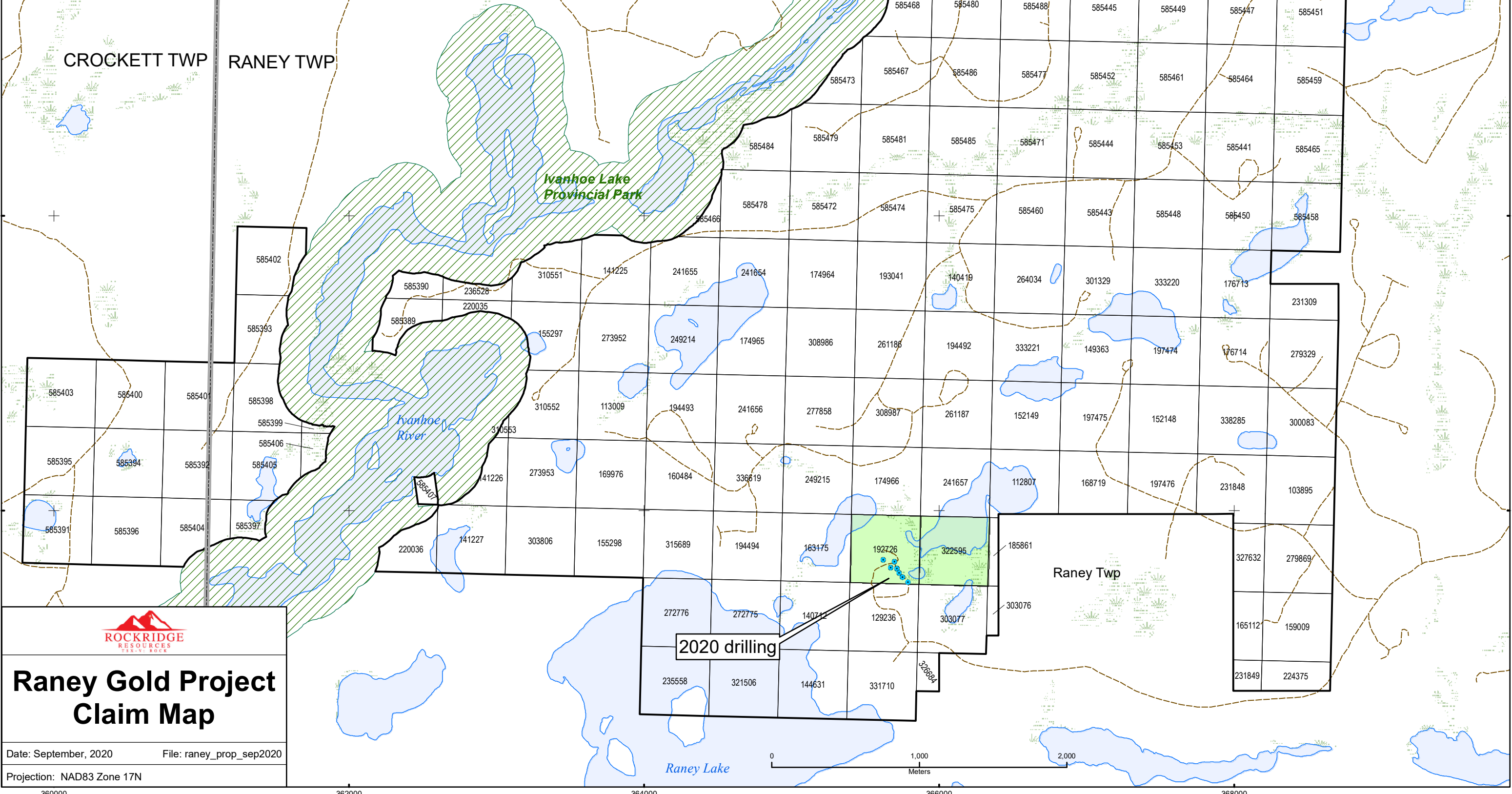
# Raney Gold Project Location Map

Date: September, 2020      NAD 1983 UTM Zone 17N

Name: TS      File: raney\_locmap\_sep2020

**Legend**

- 2020 drill hole collar
- Rockridge Resources mining claims
- Rockridge Resources mining claims covered by assessment work
- Wetland
- Resource / Recreation Roads
- Ivanhoe Lake Provincial Park

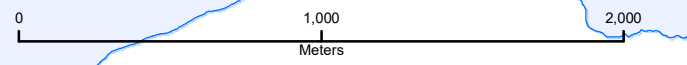


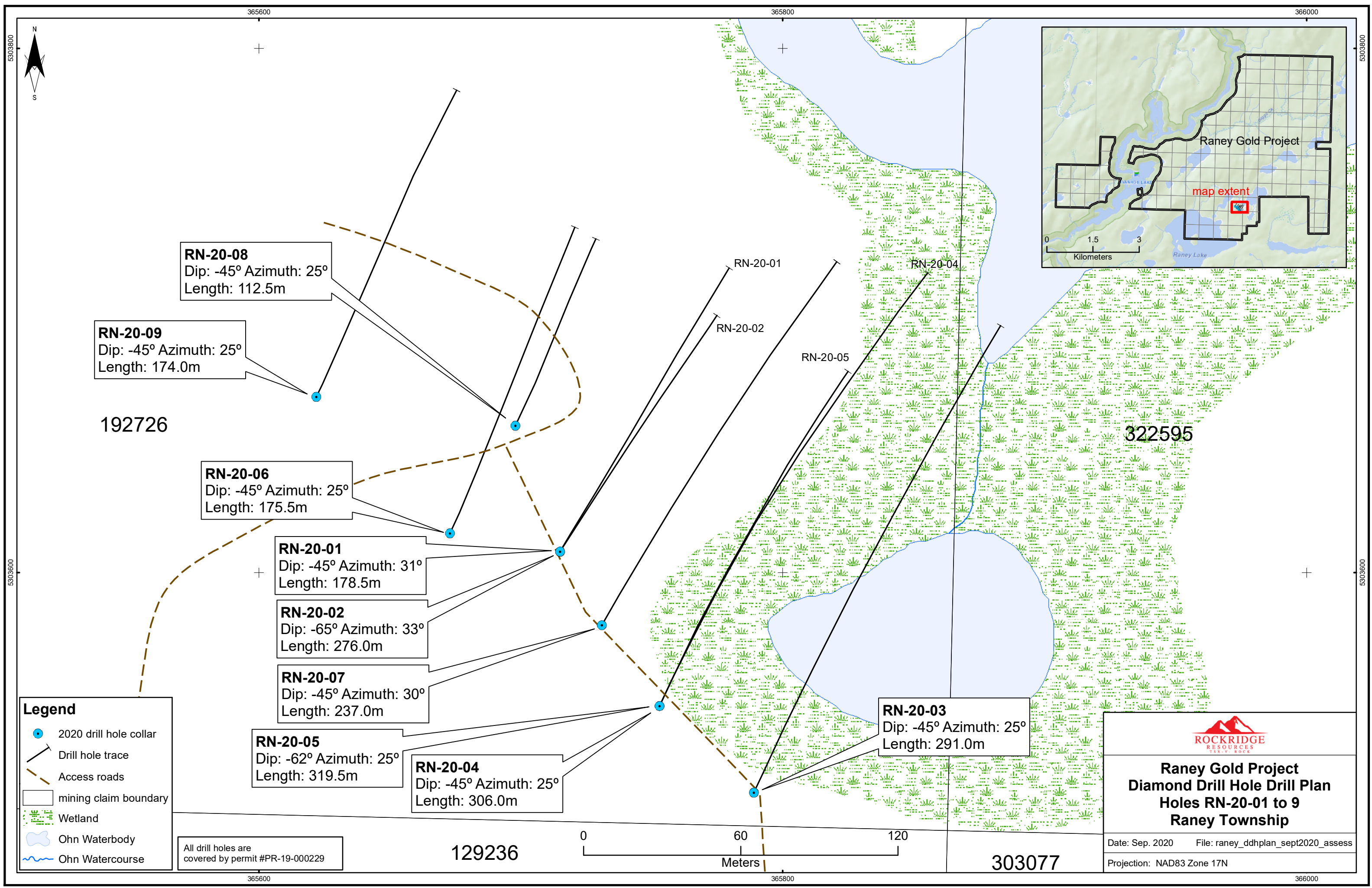
**ROCKRIDGE RESOURCES**  
TERRA VIVIT ROCK

# Raney Gold Project Claim Map

Date: September, 2020      File: raney\_prop\_sep2020  
 Projection: NAD83 Zone 17N

2020 drilling





**RN-20-08**  
 Dip: -45° Azimuth: 25°  
 Length: 112.5m

**RN-20-09**  
 Dip: -45° Azimuth: 25°  
 Length: 174.0m

**RN-20-06**  
 Dip: -45° Azimuth: 25°  
 Length: 175.5m

**RN-20-01**  
 Dip: -45° Azimuth: 31°  
 Length: 178.5m

**RN-20-02**  
 Dip: -65° Azimuth: 33°  
 Length: 276.0m

**RN-20-07**  
 Dip: -45° Azimuth: 30°  
 Length: 237.0m

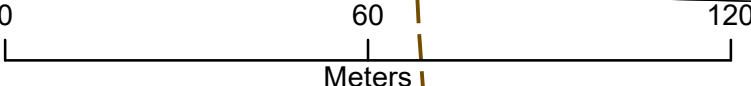
**RN-20-05**  
 Dip: -62° Azimuth: 25°  
 Length: 319.5m

**RN-20-04**  
 Dip: -45° Azimuth: 25°  
 Length: 306.0m

**RN-20-03**  
 Dip: -45° Azimuth: 25°  
 Length: 291.0m

- Legend**
- 2020 drill hole collar
  - Drill hole trace
  - Access roads
  - mining claim boundary
  - Wetland
  - Ohn Waterbody
  - Ohn Watercourse

All drill holes are covered by permit #PR-19-000229



**ROCKRIDGE RESOURCES**  
 THE Y-ROCK

**Raney Gold Project  
 Diamond Drill Hole Drill Plan  
 Holes RN-20-01 to 9  
 Raney Township**

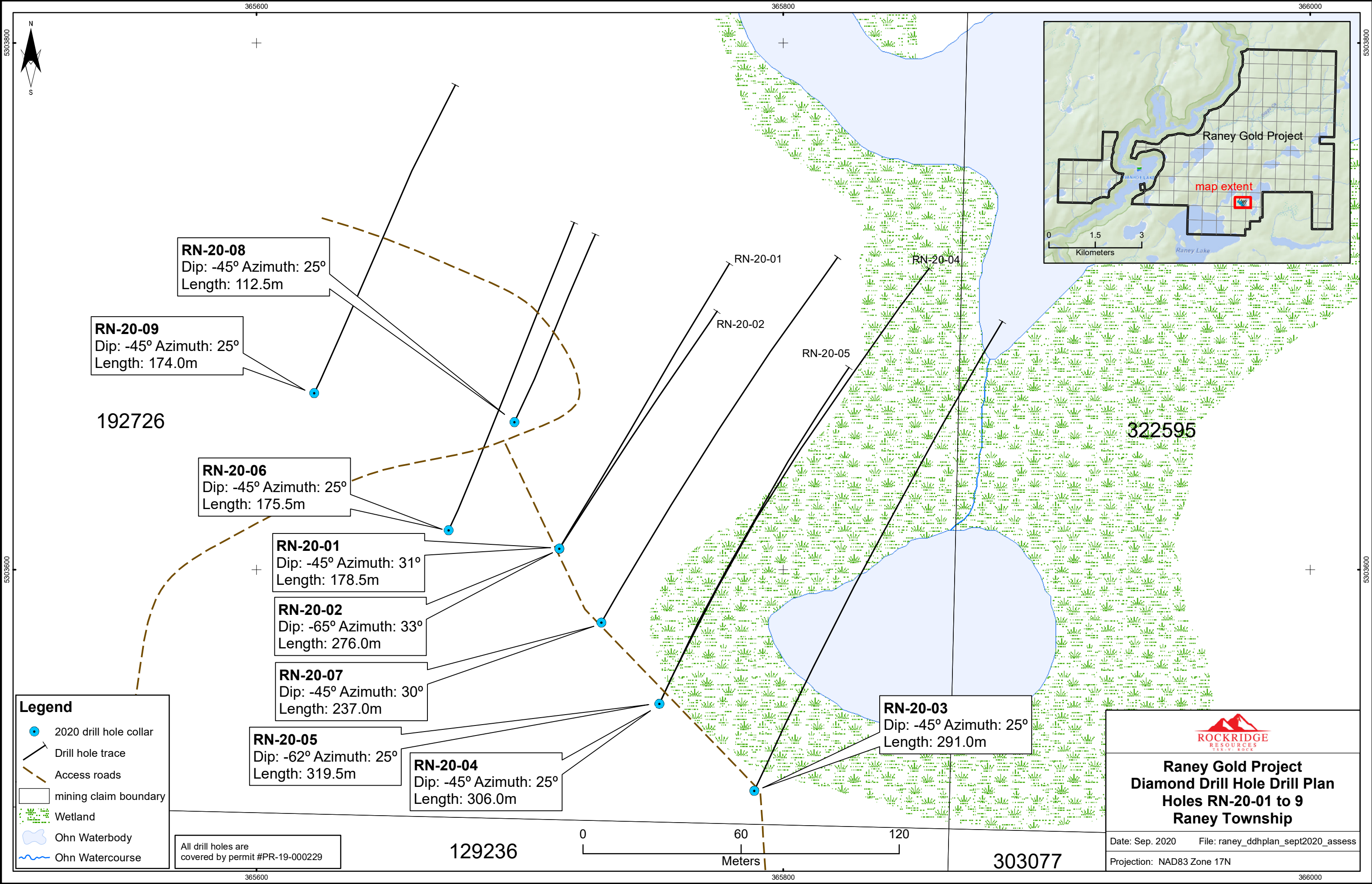
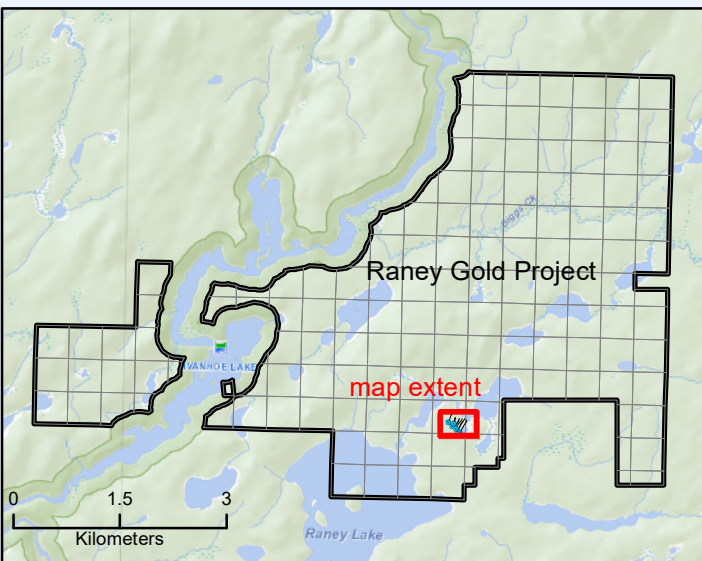
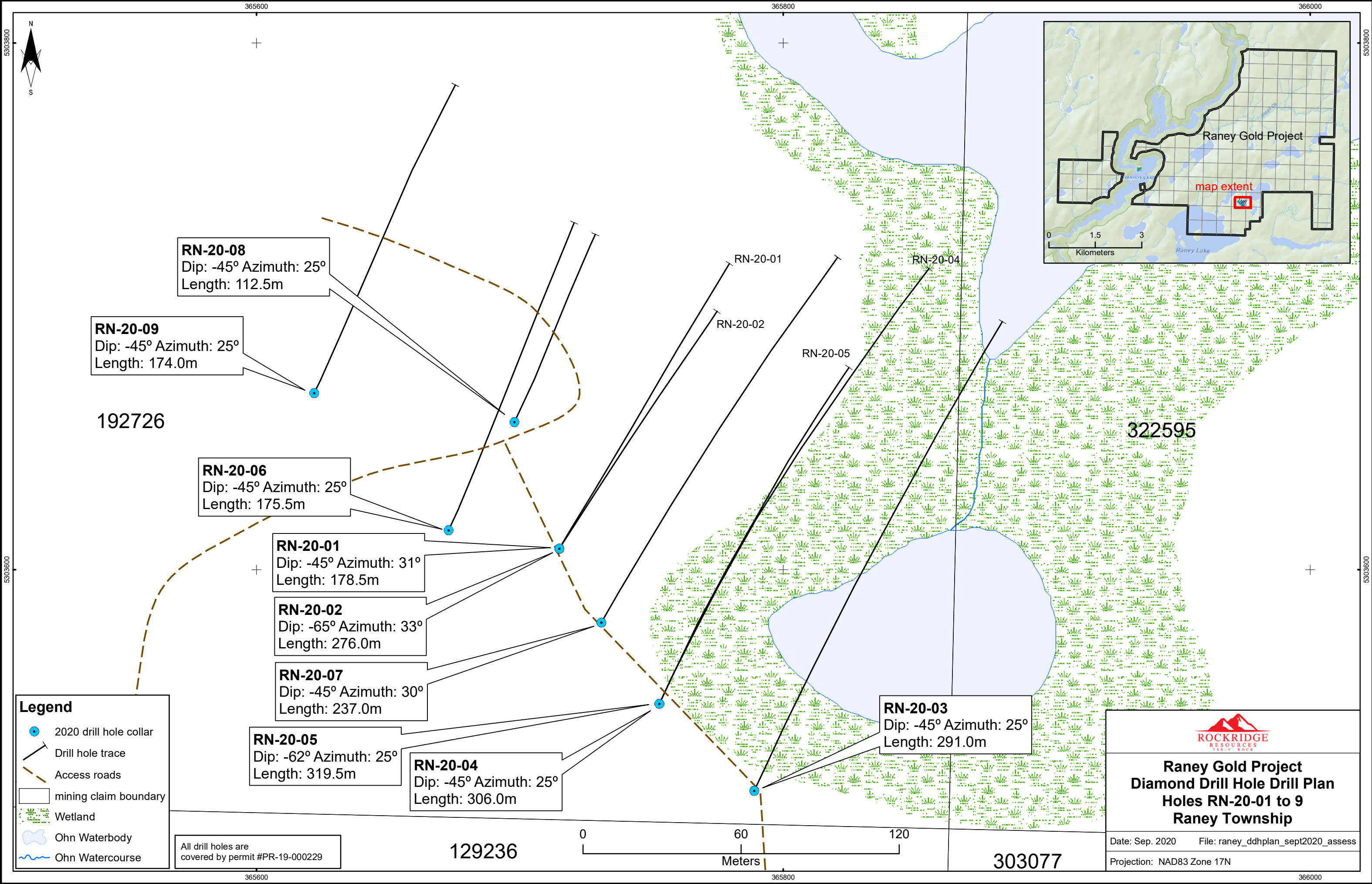
Date: Sep. 2020    File: raney\_ddhplan\_sept2020\_assess  
 Projection: NAD83 Zone 17N

192726

322595

129236

303077



SURFACE

**RN-20-09**  
365622mE, 5303667mN (UTM)  
Elev: 397.0m  
Dip: -45° Azimuth: 25°  
Length: 174.0m

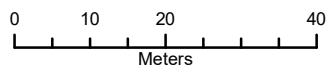
trench

0.49 g/t Au  
over 2.0 metres

RN-20-09  
EOH: 174.0m

clm #192726

Hole RN-20-09  
is covered by permit #PR-19-000229

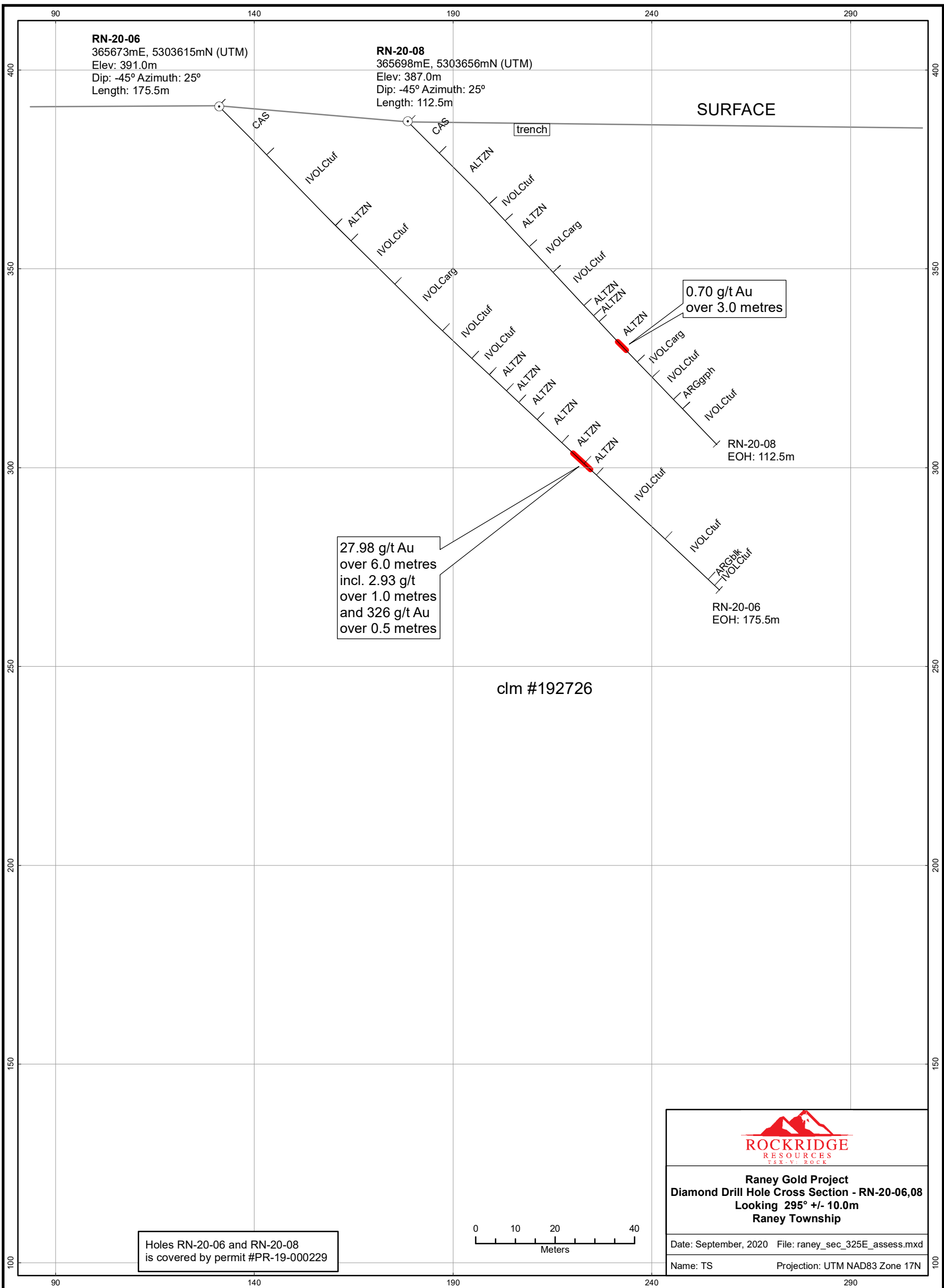


**Raney Gold Project**  
**Diamond Drill Hole Cross Section - RN-20-09**  
**Looking 295° +/- 10.0m**  
**Raney Township**

Date: September, 2020 File: raney\_sec\_255E\_assess.mxd

Name: TS Projection: UTM NAD83 Zone 17N





**RN-20-06**  
 365673mE, 5303615mN (UTM)  
 Elev: 391.0m  
 Dip: -45° Azimuth: 25°  
 Length: 175.5m

**RN-20-08**  
 365698mE, 5303656mN (UTM)  
 Elev: 387.0m  
 Dip: -45° Azimuth: 25°  
 Length: 112.5m

**SURFACE**

trench

0.70 g/t Au  
 over 3.0 metres

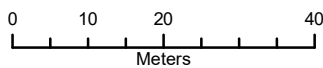
27.98 g/t Au  
 over 6.0 metres  
 incl. 2.93 g/t  
 over 1.0 metres  
 and 326 g/t Au  
 over 0.5 metres

RN-20-08  
 EOH: 112.5m

RN-20-06  
 EOH: 175.5m

clm #192726

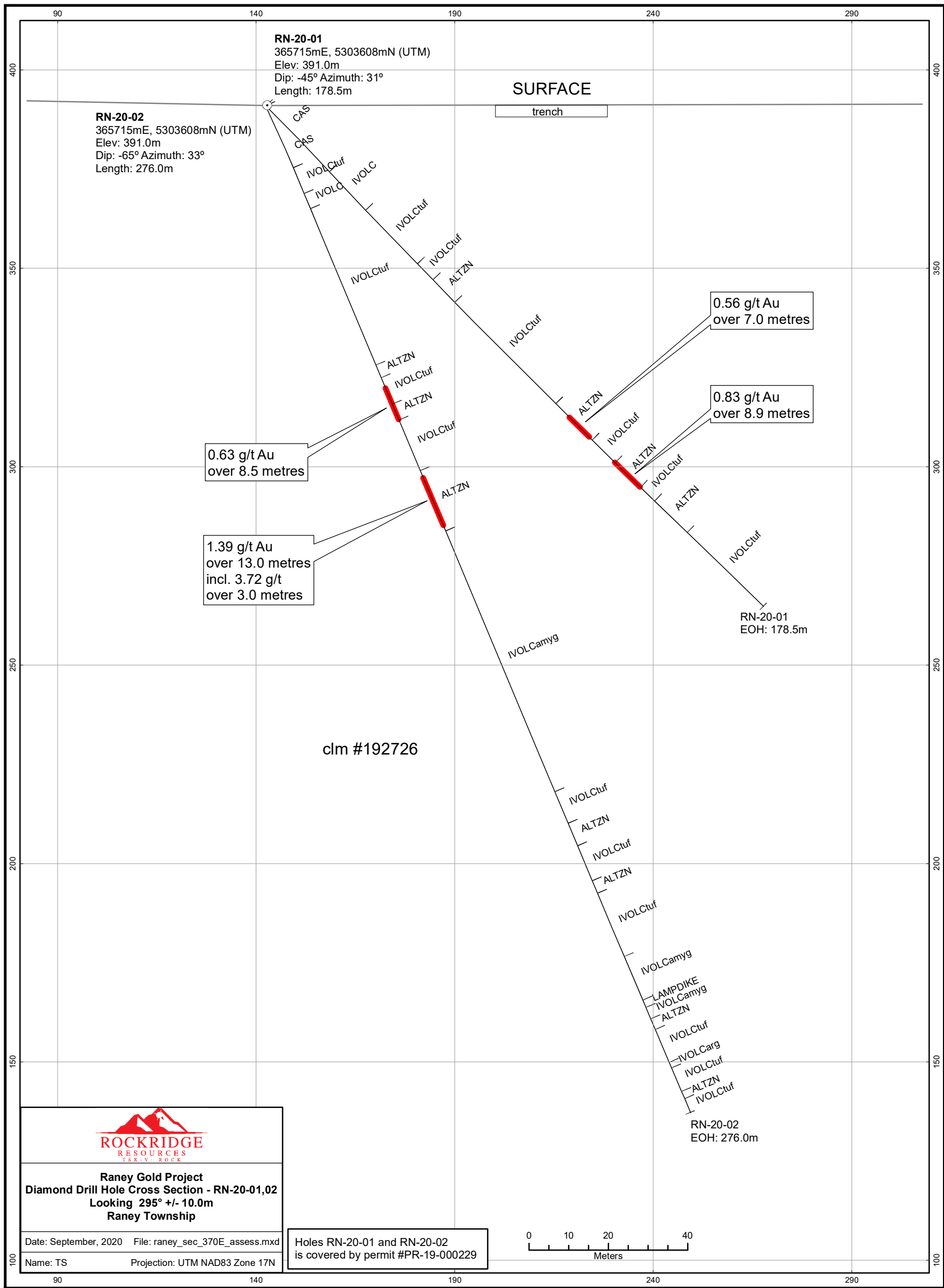
Holes RN-20-06 and RN-20-08  
 is covered by permit #PR-19-000229



**Raney Gold Project**  
**Diamond Drill Hole Cross Section - RN-20-06,08**  
**Looking 295° +/- 10.0m**  
**Raney Township**

Date: September, 2020 File: raney\_sec\_325E\_assess.mxd

Name: TS Projection: UTM NAD83 Zone 17N



**RN-20-01**  
 365715mE, 5303608mN (UTM)  
 Elev: 391.0m  
 Dip: -45° Azimuth: 31°  
 Length: 178.5m

**RN-20-02**  
 365715mE, 5303608mN (UTM)  
 Elev: 391.0m  
 Dip: -65° Azimuth: 33°  
 Length: 276.0m

**SURFACE**

trench

0.63 g/t Au  
 over 8.5 metres

1.39 g/t Au  
 over 13.0 metres  
 incl. 3.72 g/t  
 over 3.0 metres

0.56 g/t Au  
 over 7.0 metres

0.83 g/t Au  
 over 8.9 metres

RN-20-01  
 EOH: 178.5m

RN-20-02  
 EOH: 276.0m

clm #192726

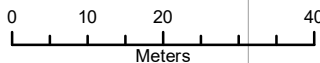


**Raney Gold Project**  
**Diamond Drill Hole Cross Section - RN-20-01,02**  
**Looking 295° +/- 10.0m**  
**Raney Township**

Date: September, 2020 File: raney\_sec\_370E\_assess.mxd

Name: TS Projection: UTM NAD83 Zone 17N

Holes RN-20-01 and RN-20-02  
 is covered by permit #PR-19-000229



**RN-20-07**  
365731mE, 5303580mN (UTM)  
Elev: 391.0m  
Dip: -45° Azimuth: 30°  
Length: 237.0m

SURFACE

clm #192726

0.57 g/t Au  
over 7.0 metres

RN-20-07  
EOH: 237.0m

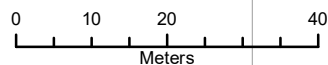


**Raney Gold Project**  
**Diamond Drill Hole Cross Section - RN-20-07**  
**Looking 295° +/- 10.0m**  
**Raney Township**

Date: September, 2020 File: raney\_sec\_400E\_assess.mxd

Name: TS Projection: UTM NAD83 Zone 17N

Hole RN-20-07  
is covered by permit #PR-19-000229



**RN-20-05**  
365753mE, 5303549mN (UTM)  
Elev: 391.0m  
Dip: -62° Azimuth: 25°  
Length: 319.5m

**RN-20-04**  
365753mE, 5303549mN (UTM)  
Elev: 391.0m  
Dip: -45° Azimuth: 25°  
Length: 306.0m

SURFACE

clm #192726

6.45 g/t Au  
over 1.0 metres

1.28 g/t Au  
over 2.0 metres

RN-20-04  
EOH: 306.0m

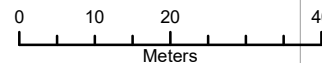
RN-20-05  
EOH: 319.5m



**Raney Gold Project**  
**Diamond Drill Hole Cross Section - RN-20-04,05**  
**Looking 295° +/- 10.0m**  
**Raney Township**

Date: September, 2020 File: raney\_sec\_425E\_assess.mxd  
Name: TS Projection: UTM NAD83 Zone 17N

Holes RN-20-04 and RN-20-05  
is covered by permit #PR-19-000229



**RN-20-03**  
365789mE, 5303516mN (UTM)  
Elev: 391.0m  
Dip: -45° Azimuth: 25°  
Length: 291.0m

**SURFACE**

CAS

IVOLCfol

IVOLCarg

IVOLCtuf

IVOLCarg

IVOLCtuf

ALTZN

IVOLCtuf

IVOLCarg

IVOLCtuf

IVOLCamyg

IVOLCarg

IVOLCamyg

IVOLCarg

IVOLCtuf

ALTZN

IVOLCtuf

IVOLCarg

IVOLCtuf

IVOLCarg

IVOLCtuf

IVOLCarg

ALTZN

IVOLCarg

IVOLCtuf

ALTZN

IVOLCtuf

clm #192726

clm #322595

0.29 g/t Au  
over 4.5 metres

0.52 g/t Au  
over 23.0 metres

RN-20-03  
EOH: 291.0m



**Raney Gold Project**  
**Diamond Drill Hole Cross Section - RN-20-03**  
**Looking 295° +/- 10.0m**  
**Raney Township**

Date: September, 2020 File: raney\_sec\_470E\_assess.mxd  
Name: TS Projection: UTM NAD83 Zone 17N

Hole RN-20-03  
is covered by permit #PR-19-000229

