YMEP 2023 - 034

GOLDORAK PROJECT

WHITEHORSE MINING DISTRICT

NTS 105L/15

UTM NAD 83 ZONE 8: 514400E, 6973150N

BY: JÉRÔME DE PASQUALE
&
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NOVEMBER 10TH, 2023

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Frontispiece photo: Quartzite hosted mineralization at Goldorak – Sample Y647978

Sample	Au_ppm	Bi_ppm	Cu_ppm	Fe_pct	In_ppm	Se_ppm	Te_ppm	W_ppm	Zn_pct
Y647978	0.263	187	1090	8.72%	5.66	75.3	2.92	450	2.31%

SUMMARY

The Goldorak Project (YMEP 2023-034) is located in central Yukon, 240 kilometres north of Whitehorse on the west side of the Selwyn Basin and east of the Tintina Trench. It is a gold-silver project focused on a previously unrecognized reduced intrusive-related gold target centred over Dromedary Mountain.

To fulfill Yukon Mining Exploration Program (YMEP) requirements this report focuses on work carried out in 2023. Almost all the work in 2023 was carried out on the ACTA claims in the areas of the Main Zone, Copper Soil Anomaly, Mizar and LM Showings. This report does not include descriptions, results, conclusions or recommendations on mineral showings and geochemical anomalies within the project area that were not visited in 2023. The reader is referred to previous reports by the authors for more information on these areas.

Significant results from the 2023 work include:

- Soil sampling at the LM Showing delineated a 500 m long As anomaly on the LM ridge spur.
- Upon investigation the suspected 'white stained creek' located 600 – 900 m SE of the LM Showing proved to be a landslide debris field cut by a creek gully.
- Angular dark green float of fine-grained chlorite – diopside – quartz and semi-massive pyrrhotite contained 1.17 g/t Au. This was collected about 850 m SE of the LM Showing in a creek gully. Three other samples of float and outcrop collected in the same area returned 0.051 - 0.107 g/t Au and up to 441 ppm As and 6.27 ppm Bi.
- 10 claims (ACTA 31-40) were staked linking the ORAK and ACTA claim groups.

2023 Work

The 2023 exploration program followed up on results obtained in 2020 – 2022 and was carried out in two phases. The first phase from July 14th – 19th was carried out by Cécile Légaré and Jérôme de Pasquale and the second phase, from August 13th – 17th, was carried out by Roger Hulstein and Jérôme de Pasquale. The phase one program was based out of a camp at the LM Showing (**Picture 1a**) and the phase two program from a camp near the Main Zone (**Picture 1b**), both on the ACTA claim block. A total of 48 rock, 33 soil, and 4 stream sediment samples were collected. A total of 53 geological field stations were also made. A traverse to locate Anaconda drill hole collar, DDH81-09, on ORAK 7 claim was unsuccessful. Ten claims (ACTA 31 – 40) were staked to fill the gap between the ORAK and ACTA claim groups (**Picture 2**).

Previous Work

Anaconda Canada Exploration Ltd. conducted the first recorded exploration in the area. The company staked claims in 1980 and explored until 1982 for sedimentary exhalative (SEDEX) Pb-Zn-Ag deposits.

Anaconda drilled ten holes in 1981 for a total of 1,900 m, testing selected sections of an 18 km long thrust-fault-bounded belt of prospective Devonian to Ordovician basinal sedimentary rocks.

In the 1990s, Dromedary Exploration Company Ltd. and Blackstone Resources Inc. tested the same belt of Upper Earn Group calcareous siltstone, shales, and argillites with diamond drilling at the François Zone, intersecting replacement-style massive and semi-massive sulfide mineralization (interpreted solely at the time as SEDEX type mineralization). The upper sulfide lens returned up to 8.4% Zn, 2.4% Pb and 29.8 ppm Ag over 2 m, while the lower replacement-style horizon, dominated by pyrrhotite, is characterized by its gold-rich signature (up to 2.2 g/t Au over 4.4 m) and a strong gold-arsenic correlation.

With the exception of some widely spaced geochemical sampling carried out by Inform Resources Corp. in 2012, the belt has never been explored for gold. Anaconda focused on lead – zinc - silver and did not systematically analyze for gold or for pathfinders, as their work pre-dated ICP analyses. Geochemistry carried out by later workers (Dromedary Exploration and Blackstone Resources) was focused on lead-zinc (SEDEX) mineralization on the François and Dromedary Creek Zones and did not target gold mineralization. Current thinking is that most, if not all, of the pyrrhotite stratabound mineralization is of distal replacement type.

It should be noted that distal skarn and replacement type mineralization may form both laterally to the exposed portion of the Dromedary Mountain intrusion and above (and laterally) to unexposed portions of the intrusion. This is indicated by the pyrrhotite dominant mineralization found at the François, Dromedary creek and Nagai Zones.

Mineralization in the project area is typical of that found proximal and distal (outside the hornfels zone) to reduced Cretaceous intrusions in the Selwyn Basin, our current exploration model. A possible deposit analogue is the Banyan Gold Corp.'s Aurmac deposit located in the Keno Hill Silver District some 120 km to the NNW.

Mineralization

The 18 km long northwest-trending mineralized belt is defined by anomalous geochemistry (Au, Ag, Cu, Pb, Zn, Sb, Bi, As, Se, Te) of soils, stream sediments, and rocks, HLEM conductors, magnetic anomalies, and numerous mineralized outcrops (or showings). Three types of mineralization have been documented:

- SEDEX mineralization, confirmed by lead isotope analysis (Jones, 1997), as pyrrhotite – galena – sphalerite in argillite intersected in diamond drill holes on the François Zone
- Replacement-type mineralization, commonly in Earn Group calcareous siltstone, hosting gold, silver, and (to a lesser extent) base metals at the Main, BMS, Silver Creek, GC, PC, LM, Mizar showings and in historical drill hole intercepts at the François and Dromedary Creek zones.
- Precious metal mineralization in veins or vein-faults, commonly quartz – arsenopyrite veins, cutting metasediments, as found at the Inform Silver, LM and Nagai showings and possibly at the Mizar showings.

The above mineralization can be subdivided into proximal and distal to the reduced Dromedary Mountain granitoid, with distal being defined as outside the hornfels zone.

Regional-scale structures are favourable to mineralization:

- The south dipping Twopete Thrust Fault, which forms the southern boundary of the prospective belt, likely represents a conduit for mineralizing fluids.
- A magnetic-high surrounds the annular magnetic-low at Dromedary Mountain; this magnetic signature, due to pyrrhotite, is typical of shallow buried reduced granitoid intrusions in Selwyn Basin; these intrusions are known to host or be related to the formation of proximal to distal disseminated-replacement-style gold mineralization.

Mineral Tenure

The Goldorak project as of July 2023 consists of two non-contiguous groups of claims, for a total of 60 Yukon quartz claims owned 100% by Hulstein and de Pasquale.

Conclusions and Recommendations

The project represents a new, previously unrecognized, prospective target area for reduced intrusive-hosted and reduced intrusive-related gold deposits. Given that highly anomalous gold, silver, copper, lead, and zinc values have been identified in drill holes, surface showings, and in soil and stream sediment samples, further work is warranted and recommended on the Goldorak project.

A two-phase work program is recommended as the next steps in exploring the project area. Phase 1 to consist of: prospecting, geological mapping, and geochemical sampling. A high priority should be given to the Mizar showing, LM showing and surrounding areas. More claims should be staked to cover the gap between the Fran claims to the west and the Acta-Orak claim groups.

A Phase 2 program is partly conditional on results from Phase 1 and on there being sufficient funds available. It is recommended that a project wide airborne geophysical survey (magnetics, EM) be flown, and focused ground geophysical surveys (magnetics, EM and IP) carried out over selected zones. The Nagai Zone, François (described in previous reports by the authors) and any other targets identified with the above work should be tested by drilling.

INTRODUCTION

The purpose of this report on the Goldorak project (YMEP 2023-034) is to fulfill obligations arising from funding obtained through the Yukon Mineral Exploration Program (YMEP). The report describes and summarizes the geological, prospecting and geochemical results obtained in 2023 from a two-phase exploration program totalling 11 days carried out from July 14 - July 19, 2023, and August 13th – 17th, 2023.

The principals behind the Goldorak project, Roger Hulstein and Jérôme de Pasquale, were attracted to the area by the results of the recent Yukon Geological Survey mapping by R. Cobbett (2018), the availability of open ground, and lack of exploration for gold on a prospective target area for reduced intrusive-hosted and reduced intrusive-related gold deposits.

This report also describes the location, access, history, geological setting, known mineral occurrences for the area and outlines a proposed exploration program to further explore the project area for reduced intrusive-hosted and reduced intrusive-related gold deposits.

1. LOCATION, ACCESS, AND LAND STATUS

The Goldorak project is centred over the Dromedary Mountain, located approximately 115 km from Carmacks, 100 km from Mayo, 105 km from Faro, and the area is accessible by helicopter (**Figure 1**). Fireweed Helicopters based out of Mayo (seasonal base) provided transport to and from the project for Phase 1 and Horizon Helicopters provided transport from a gravel pit at kilometer 528.7 (UTM NAD83 Zone 8; 478,989 E, 6,882,711 N) on the Robert Campbell Highway. The Horizon helicopter was 'borrowed' from Cascadia Minerals Ltd. who were working in the area.

The entire target area lies within the Traditional Territory of the Selkirk First Nation Territory. Category A First Nations Settlement Lands (Surface and Subsurface Rights, no staking permitted) are located on the west side of Dromedary Mountain (west of Clarke Creek) and over Lone Mountain and Category B Lands (Surface Rights) is located to the southeast and surrounds Earn Lake.

The main portion of the target area examined in 2023 is approximately centred over Dromedary Mountain on the Acta 1 - 40 claims. No active mineral claims (Yukon Quartz claims) other than the Fran 1-4, Orak 1-16, and Acta 1-40, all owned by Roger Hulstein and Jérôme de Pasquale and described within this report, are recorded in the area as of October 21st, 2023.

The prospective Goldorak gold exploration target, as defined by aeromagnetics, mineral occurrences and anomalous geochemistry, extends from Lone Mountain to the northwest to Earn Lake in the southeast, an overall distance of approximately 18 km.

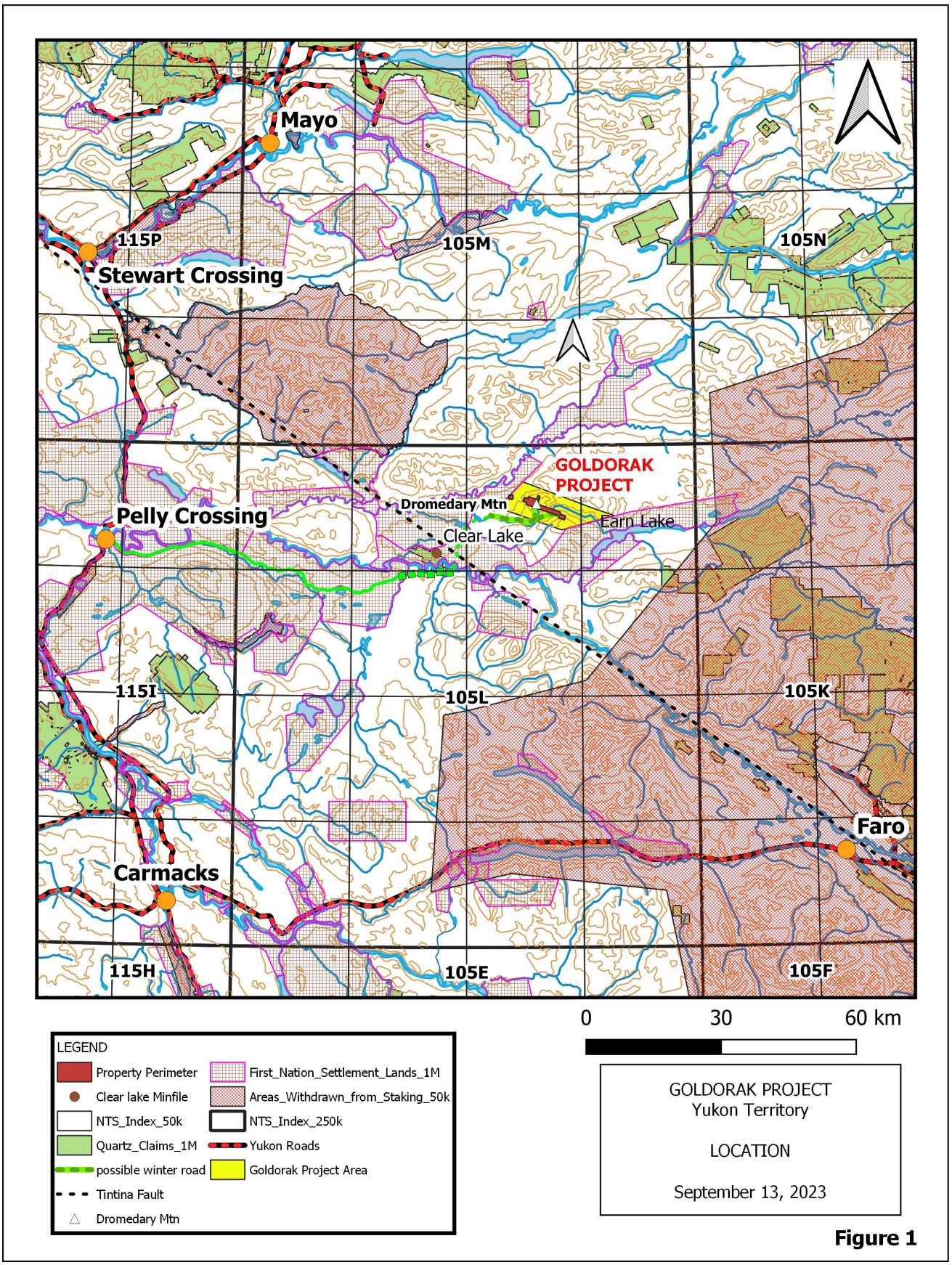


Figure 1. Goldorak Project Location – centred over Dromedary Mountain.

2. 2023 PROGRAM DESCRIPTION

The 2023 field program was carried out in two phases, the first by Jérôme de Pasquale (Geologist) and Cécile Légaré (Field Assistant) from July 14th to July 19th, 2023. The second phase carried out by Roger Hulstein and Jérôme de Pasquale from August 13th to August 17th, 2023. The phase one camp was established at the LM Showing at UTM 513755E and 6973273N (NAD83, Zone 8V) to optimize field time on the eastern part of the Acta Claim block. The second camp was on the flank of Dromedary Mountain at UTM 520554E and 6970096N to access the western side of the Acta claim group. At each camp a bear fence was setup around the "kitchen-office" tent. Traverses were carried out daily from each camp.

Phase 1

With the exception of low cloud and rain on July 19th the weather was seasonal, nice and warm, with occasional showers, from July 14th – 19th.

July 14: Drive from Whitehorse to Mayo-helicopter to camp on Acta Claims (LM showing ridge), establish camp, plan traverse.
July 15: Stake ten claims in between the Acta Claim block and the Orak Claim bock. Prospect and attempt to relocate drill hole DDH81-09.
July 16: Traverse from camp toward the south to the "white-stained creek" identified on satellite imagery. Prospecting, mapping, silt and rock sampling.
July 17: Traverse toward the north to the "Tertre Rouge" – large rusty patch found on the extension of an identified east-west structure. Investigate the eastern tributary of the high-grade-copper silt sample collected in 2022. Improve the LM ridge helipad.
July 18: Soil sampling and rock sampling along the LM showing ridge.
July 19: Helicopter delayed due to bad weather. Additional sampling around the LM showing. Pack camp and samples, demobilize to Mayo by helicopter and drive to Whitehorse.

Phase 2

High winds during mobilization on August 13th prevented the helicopter from landing at the planned camp site on the ridge spur north of the Mizar Showing. Camp was therefore located on the flank of Dromedary Mtn at the Main Showing and at a much higher elevation than originally planned. This subsequently necessitated longer and more arduous traverses to the target areas; the Mizar Showing and ridge to the north and NE of the Mizar Showing. The weather was good on August 14th and 15th but deteriorated overnight on the 15th with high winds and rain that continued into the 16th and resulted in cloud and fog on the 17th. This inclement weather hindered work on the last two days.

August 13: Drive from Whitehorse to gravel pit on Robert Campbell Highway, meet helicopter and fly to Dromedary Mountain, establish camp and traverse to ridge to NW (magnetic high).
August 14: Traverse to Mizar Showing, examine, prospect and rock sample.

August 15: Prospect, rock sample and do a soil contour line on north side of property.

August 16: Miserable wet and windy weather hindered work; did a soil sample line on ridge (Mizar Ridge) north and NE of Mizar Showing.

August 17: Cloudy weather delayed helicopter flight and property visit and tour with YGS geologists; Patrick Sack, Sarah Ellis, and Emilia Butty (**Picture 3**)*. Packed camp and samples, demobilize to Robert Campbell Highway by helicopter and drive to Whitehorse.*

All sample and field station locations were collected by GPS, Garmin model's 60CSx or better, with an accuracy commonly of +/- 3 m, and location information was stored using a UTM grid, NAD83 Datum in Zone 8V. Rock hand samples were collected at rock sample sites and at numerous field stations for later slabbing and more detailed examination.

3. TOPOGRAPHY, VEGETATION AND CLIMATE

Topography in the region is typical of central Yukon, incised valleys with steep hillsides and rounded crests. Elevations range from approximately 650-800 m above sea level in the McMillan River Valley to about 1800 m at the crest of Dromedary Mountain. Areas of high elevation locally consist of rugged alpine terrain with rare patches of stagnant ice and abundant evidence of recently departed alpine glaciers. Areas of lower elevation and the valleys, approximately below 1350 m elevation are moderately to densely vegetated. Larger valleys such as the McMillan River Valley and Dromedary Creek are broad and filled with glacial debris.

The climate in the project area is variable with warm summers and long cold winters. Precipitation is light, with moderate snowfalls during the winter months. Depending on the elevation the typical field season extends from late May to middle - late September. Permafrost can be expected anywhere within the project area, particularly on northerly facing slopes. Permafrost, thick ash, and organic horizons and glacial till cover posed significant problems in 2019 while attempting to collect meaningful soil and stream sediment samples and to some extent in 2020 - 2023.

4. PREVIOUS WORK

The area was explored intermittently for SEDEX Pb-Zn deposits in the 1980s to late 1990s. The latest work in the area was performed by Inform Resources in 2012 that carried out a ridge line soil traverse and some prospecting, likely exploring for gold. The gold potential was recognized during lead–zinc exploration but this was never consistently followed up on. Anaconda carried out work in the area extending from the Cave mineral showing west of Dromedary Mountain, north of the McMillan River, to Earn Lake, to the east. A summary of previous work is as follows (work completed outside the immediate Goldorak target area carried out by Anaconda and others is included):

1980: Program by Anaconda Canada Exploration Ltd., Assessment report 090888 (Carlson, 1981):

- Prospecting and mapping
- Discovery of Fe, Zn, and Pb sulfides on Dromedary Mountain

- Staked Ace 1-724 and Earn 1-4 claims

1981: Program by Anaconda Canada Exploration Ltd., Assessment report 090888 (Carlson, 1981), and internal Anaconda report (Carlson, 1982):

- 3500-line km airborne magnetometer and EM survey
- Geological mapping, prospecting (Cave showing discovery)
- Geochemical survey (rock, soil, drill core)
- Seven diamond drill holes on Dromedary Mountain and three drill holes on Dromedary Creek totalling of 1950 metres NQ core

1982: Program by Anaconda Canada Exploration Ltd., Assessment report 091468 (Hall, 1983):

- 123 km Line-cutting and surveyed grid establishment
- 45 line-km of gravity survey
- 3500 soil samples on grid at 25 m centres
- 156 km of ground horizontal-loop EM and magnetic geophysics survey
- Geological mapping
- Overburden mechanical hand drill soil sampling

1984: Anaconda Canada Exploration Ltd. ceased exploration activities

1985: Fleck Resources Ltd. acquired 1,436 claims from Anaconda

1988: Program by Dromedary Exploration Company Ltd. acquired the Ace and Bum claims by option agreement from Fleck Resources Ltd.

1988: Program by Dromedary Exploration Company Ltd., company prospectus (Rebagliati, 1988):

- Claim staking
- Geological mapping, prospecting
- Geochemical survey (rock and soil)
- Ground geophysics
- Trenching

Data was reviewed by Rebagliati Geological Consulting Ltd. and work program was conducted by Aurum Geological Consultants Inc.

1990: Program by Dromedary Exploration Company Ltd., Assessment report 092882 (Hulstein 1990):

- Two diamond drill holes on the Ace Clams (François grid) totalizing 434 metres
- Geochemical survey (drill core), gold potential was recognized

1990: Placer Dome Inc. examined the property, sampled limited drill core, and recommended a large drill program which was not undertaken.

1992: Kennecott Canada Inc. examined the property for Pb-Zn potential.

- Soil sampling (Cave grid)

1993: Energold Minerals Inc. optioned the property.

1993: Program by Energold Minerals Inc.:

- Geological mapping
- Soil sampling
- Ground Mag geophysics

Due to insufficient financing, the proposed drilling program was not undertaken

1996: Blackstone Resources Ltd. optioned the property

1996: Program by Blackstone Resources Ltd., program conducted by Equity Engineering Ltd., Assessment report 093595 (Caulfield, 1997):

- Geological mapping, prospecting (DMC claims)
- One diamond drill hole at Dromedary Creek and four on the Fran Zone totalling 936 metres, Geochemical survey (rock and drill core).

1997: Program by Blackstone Resources Ltd., program funded by Geologix Explorations Inc. and conducted by Equity engineering Ltd., Assessment reports 093755 and 093764 (Jones, 1998a, Jones 1998b):

- Additional claim staking
- Geological mapping, prospecting (François grid, King claims, DMS claims)
- Gravity and Mag geophysical survey
- Geochemical survey (rock and soil sampling)
- Hand trenching

1998: Program by Blackstone Resources Ltd., program conducted by Equity Engineering Ltd. Assessment report 093945 (Jones, 1999):

- Three diamond drill holes totalizing 534.6 metres on the Fran Zone
- Geochemical survey (drill core)
- X-ray fluorescence analysis

2012: Program by Inform Resources Corp., Assessment report 096377 (Gibson, 2013):

- Ridge and spur soil sampling
- Limited rock sampling

2019: Roger Hulstein and Jérôme de Pasquale staked the Fran 1-4 quartz claims over anomalous drill holes FRN96-02 and 04 on the François Grid located west of Dromedary Mountain. East of Dromedary Mountain the Orak 5-8 claims were staked to cover the drill holes at the Dromedary Creek Zone. Also, in the Dromedary Creek area the Nagai, KSF, and LaLiga Zones were explored by prospecting and geochemical sampling. The Nagai Zone was a new 2019 discovery with anomalous gold values in rock samples (de Pasquale and Hulstein, 2019).

2020: Roger Hulstein and Jérôme de Pasquale staked the Acta 1-24 claims over Dromedary Mountain covering drill holes DDH81-01 to DDH81-06, the Main or Discovery showing, the Silver Creek and BMS showings, Inform Silver showing, and a copper in soil anomaly on the west-facing slope. These

showings and anomalies were explored and sampled with rock samples returning <0.147 g/t Au but up to 193 ppm Ag, 6000 ppm Cu, 1.06% Pb, and 4.17% Zn. Soil samples returned up to 0.529 ppm Au and 1210 ppm Cu while stream sediment samples contained up to 0.132 ppm Au, 4.66 ppm Ag, 1930 ppm Cu, 33.9 ppm Pb, 1610 ppm Zn and highly anomalous values for pathfinder elements such as bismuth, arsenic, and antimony (de Pasquale and Hulstein, 2020). The granitic intrusion mapped by Anaconda was relocated and sampled.

2021: Roger Hulstein and Jérôme de Pasquale followed up on results obtained in 2019 and 2021 (de Pasquale and Hulstein, 2022). Additional traverses were made to the west which culminated in the discovery of the Mizar showing (2490 ppm and 0.510 g/t Au in a rock grab sample) and the LM showing where rock grab sample returned up to 0.356 g/t Au, 28 ppm Ag and 4070 ppm Cu. Follow-up at the Inform Silver showing and Main Zone returned rock grab samples with up to 646 ppm Ag and 3.31 g/t Au respectively. The PC and GC showings found by Anaconda were relocated and determined to be small Pb-Zn skarns.

2022: Roger Hulstein and Jérôme de Pasquale followed up on results obtained in previous years (de Pasquale and Hulstein, 2022). Rock sampling at the Mizar Showing returned a high of 299 ppm Ag from a grey siliceous, weakly calcareous, sulfidic outcrop. Rock sampling at the LM Showing returned a high of 2.67 g/t Au from a partially oxidized quartz veined sulfide horizon hosted by interbedded siliceous siltstone – shale. A stream sediment sample collected north of the LM showing contained 627 ppm Cu, 247 ppm As, 29.4 ppm Mo and 10.8 ppm Se indicating that there is additional mineralization to be found in the area. A talus fine (soil) line located north of the Main Zone within the Copper Soil Anomaly identified by Anaconda identified a multielement Au, Cu, Bi, Co, Pb, Te, Zn anomaly extending east – west for some 400 m.

The results of the above work indicate that Dromedary Mountain is approximately centred within an 18 km long northwest-trending mineralized belt defined by geochemically anomalous stream sediment, soil, and rock samples (including drill results), EM conductors, magnetic linears, over a shallow, almost entirely buried, reduced granitoid intrusion.

5. TENURE

The Goldorak project encompasses a total of 60 quartz claims in two separate groups. All the claims are registered either in the name of Roger Hulstein or Jérôme de Pasquale. Roger Hulstein and Jérôme de Pasquale hold them jointly in a 49%/51% partnership.

Table 1. Claims held within Goldorak Project Area.

Grant Number	Claim Name	Claim Number	Claim Owner	Recording Date	Staking Date	Claim Expiry Date*	NTS Map Number
YD17521	ACTA	1	Roger Hulstein - 100%	7/7/2020	6/30/2020	3/19/2029	105L15
YD17522	ACTA	2	Roger Hulstein - 100%	7/7/2020	6/30/2020	3/19/2029	105L15
YD17523	ACTA	3	Roger Hulstein - 100%	7/7/2020	6/30/2020	3/19/2029	105L15
YD17524	ACTA	4	Roger Hulstein - 100%	7/7/2020	6/30/2020	3/19/2029	105L15
YD17525	ACTA	5	Roger Hulstein - 100%	7/7/2020	6/30/2020	3/19/2029	105L15
YD17526	ACTA	6	Roger Hulstein - 100%	7/7/2020	6/30/2020	3/19/2029	105L15
YD17527	ACTA	7	Roger Hulstein - 100%	7/7/2020	7/1/2020	3/19/2032	105L15
YD17528	ACTA	8	Roger Hulstein - 100%	7/7/2020	7/1/2020	3/19/2032	105L15

YD17529	ACTA	9	Roger Hulstein - 100%	7/7/2020	7/1/2020	3/19/2029	105L15
YD17530	ACTA	10	Roger Hulstein - 100%	7/7/2020	7/1/2020	3/19/2032	105L15
YD92181	ACTA	11	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2032	105L15
YD92182	ACTA	12	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2029	105L15
YD92183	ACTA	13	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2029	105L15
YD92184	ACTA	14	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2032	105L15
YD92185	ACTA	15	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2029	105L15
YD92186	ACTA	16	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2032	105L15
YD92187	ACTA	17	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2029	105L15
YD92188	ACTA	18	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2032	105L15
YD92189	ACTA	19	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2032	105L15
YD92190	ACTA	20	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2029	105L15
YD17531	ACTA	21	Roger Hulstein - 100%	7/7/2020	7/4/2020	3/19/2029	105L15
YD17532	ACTA	22	Roger Hulstein - 100%	7/7/2020	7/4/2020	3/19/2029	105L15
YD17533	ACTA	23	Roger Hulstein - 100%	7/7/2020	7/5/2020	3/19/2029	105L15
YD17534	ACTA	24	Roger Hulstein - 100%	7/7/2020	7/3/2020	3/19/2029	105L15
YE71765	ACTA	25	Roger Hulstein - 100%	7/19/2022	7/5/2022	3/19/2028	105L15
YE71766	ACTA	26	Roger Hulstein - 100%	7/19/2022	7/5/2022	3/19/2028	105L15
YE71767	ACTA	27	Roger Hulstein - 100%	7/19/2022	7/5/2022	3/19/2028	105L15
YE71768	ACTA	28	Roger Hulstein - 100%	7/19/2022	7/5/2022	3/19/2028	105L15
YE71769	ACTA	29	Roger Hulstein - 100%	7/19/2022	7/5/2022	3/19/2028	105L15
YE71770	ACTA	30	Roger Hulstein - 100%	7/19/2022	7/5/2022	3/19/2028	105L15
YE71771	ACTA	31	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2027	105L15
YE71772	ACTA	32	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2028	105L15
YE71773	ACTA	33	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2027	105L15
YE71774	ACTA	34	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2028	105L15
YE71775	ACTA	35	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2027	105L15
YE71776	ACTA	36	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2028	105L15
YE71777	ACTA	37	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2027	105L15
YE71778	ACTA	38	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2028	105L15
YE71779	ACTA	39	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2027	105L15
YE71780	ACTA	40	Jérôme de Pasquale - 100%	7/21/2023	7/15/2023	3/19/2028	105L15
YC94546	FRAN	1	Roger Hulstein - 100%	8/15/2019	7/23/2019	3/19/2024	105L15
YC94547	FRAN	2	Roger Hulstein - 100%	8/15/2019	7/23/2019	3/19/2024	105L15
YC94548	FRAN	3	Roger Hulstein - 100%	8/15/2019	7/23/2019	3/19/2024	105L15
YC94549	FRAN	4	Roger Hulstein - 100%	8/15/2019	7/23/2019	3/19/2024	105L15
YD18081	ORAK	1	Roger Hulstein - 100%	8/15/2019	7/24/2019	8/15/2030	105L15
YD18082	ORAK	2	Roger Hulstein - 100%	8/15/2019	7/24/2019	8/15/2030	105L15
YD18083	ORAK	3	Roger Hulstein - 100%	8/15/2019	7/24/2019	8/15/2030	105L15
YD18084	ORAK	4	Roger Hulstein - 100%	8/15/2019	7/24/2019	8/15/2030	105L15
YD18085	ORAK	5	Roger Hulstein - 100%	8/15/2019	7/26/2019	3/19/2028	105L15
YD18086	ORAK	6	Roger Hulstein - 100%	8/15/2019	7/26/2019	3/19/2028	105L15
YD18087	ORAK	7	Roger Hulstein - 100%	8/15/2019	7/26/2019	3/19/2028	105L15
YD18088	ORAK	8	Roger Hulstein - 100%	8/15/2019	7/26/2019	3/19/2028	105L15
YD18089	ORAK	9	Roger Hulstein - 100%	8/15/2019	7/28/2019	8/15/2030	105L15
YD18090	ORAK	10	Roger Hulstein - 100%	8/15/2019	7/28/2019	8/15/2030	105L15
YD92191	ORAK	11	Roger Hulstein - 100%	7/19/2022	7/13/2022	3/19/2028	105L15
YD92192	ORAK	12	Roger Hulstein - 100%	7/19/2022	7/13/2022	3/19/2028	105L15
YD92193	ORAK	13	Roger Hulstein - 100%	7/19/2022	7/13/2022	3/19/2028	105L15
YD92194	ORAK	14	Roger Hulstein - 100%	7/19/2022	7/13/2022	3/19/2028	105L15
YD92195	ORAK	15	Roger Hulstein - 100%	7/19/2022	7/13/2022	3/19/2028	105L15
YD92196	ORAK	16	Roger Hulstein - 100%	7/19/2022	7/13/2022	3/19/2028	105L15

*** The expiry dates in Table 1 are conditional upon acceptance of assessment work filed in 2023.**

Both claim blocks are all located within the Yukon Whitehorse Mining District on NTS map sheet 105L/15 and are shown on **Figure 2** along with the showings and zone names. The claims cover a total of 1254 hectares (3099 acres). A total of 10 claims (ACTA 31-40) were staked in 2023 to cover the open ground between the ACTA and ORAK claim groups to form one contiguous claim block. Currently there is an unstaked 2.2 km gap between the Fran and Acta-Orak claim groups.

The Fran 1-4 claims cover the area of diamond drilling carried out by Blackstone Resources Ltd. and Dromedary Exploration Company Ltd. Additional historical drilling found to the west of the Francoise Zone (Fran 1-4 claims) is located within Category A land of the Selkirk First Nation.

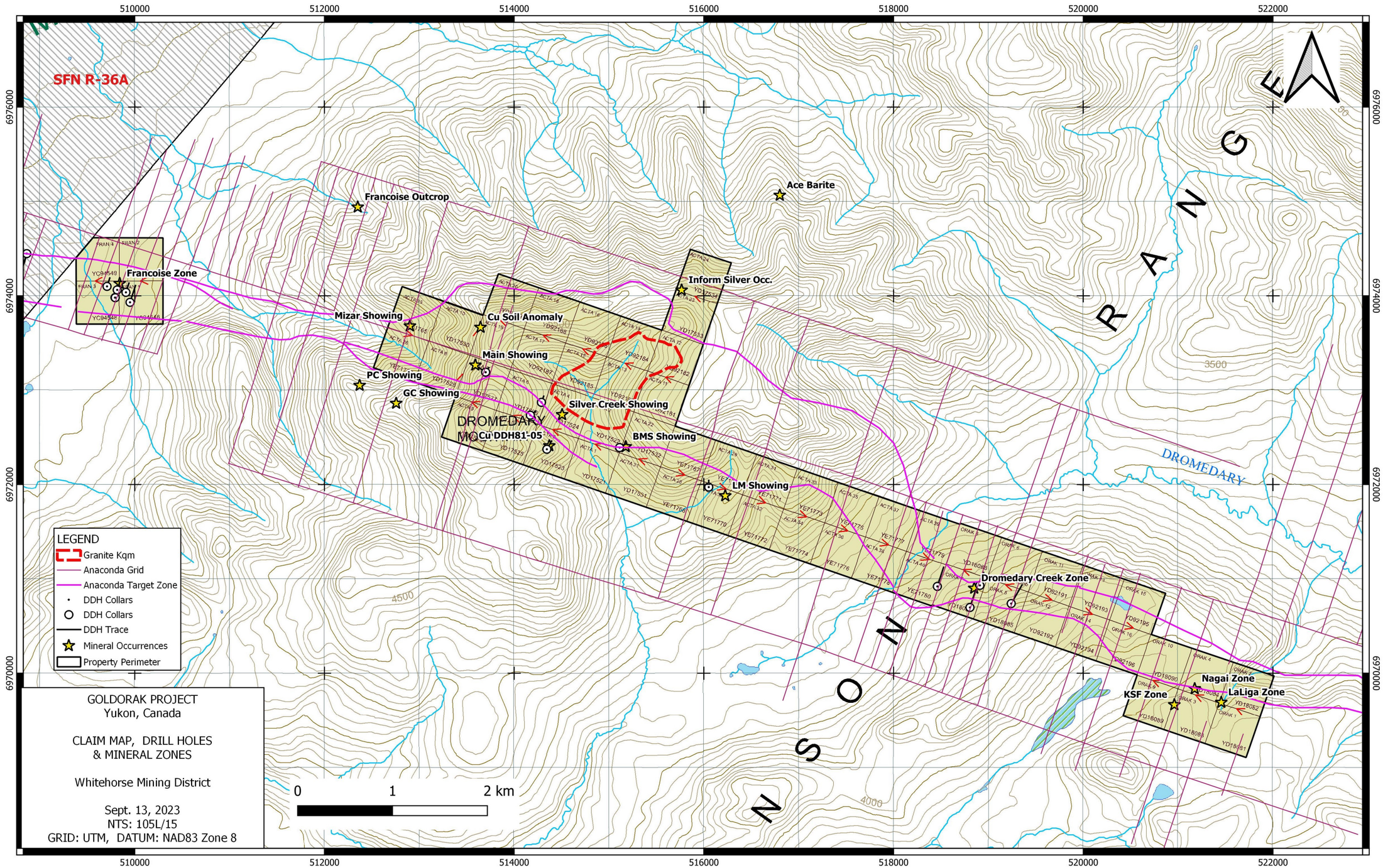


Figure 2. Goldorak claims and zone, showing names, NTS 105L/15

6. REGIONAL GEOLOGY

The project area was remapped by Rosie Cobbett in 2018 of behalf of the Yukon Geological Survey and the results are shown in **Figure 3**. The following information is extracted from: *Preliminary observations on the geology of northeastern Glenlyon area, Central Yukon* (Cobbett, 2019, Cobbett and Keevil, 2019).

- Three structural panels separate subparallel thrust faults (Duo fault on the south/Twopete Thust Fault on the north) and subdivide the stratigraphy as shown diagrammatically in **Figure 4 and 5**.
- The Southern Panel consists of volcanic and volcaniclastic rocks and sedimentary strata; it is assigned to the Vangorda Formation (interpreted to be metamorphic equivalent to Rabbitkettle formation (Jennings, 1986, Godfrey and Anderson, 1994, Pigage, 2004)) and Menzie Creek.
- The Central Panel (fault bounded) comprised of siliciclastic and carbonate rocks and phyllites. Rocks exposed in the Dromedary Mountain area are assigned to Rabbitkettle Formation based on lithology similarities to the other parts of the Selwyn Basin. It underlays rocks from Road River Group. The contact is to date considered as unconformable based on observations made in Nahanni, Flat River and Glacier Lake areas (Gabrielse et al., 1973; Gordey and Anderson, 1993).
- Late Devonian dioritic intrusions (364 Ma) outcrop within the Central Panel. They are laterally cut-out where the Duo fault merges with the Twopete fault.
- The Northern Panel consists of Mid to Upper Paleozoic siliciclastic rocks, carbonate and chert assigned to Road River Group/Steel Formation, Earn Group, Tay River Formation, and Mount Christie Formation unconformably underlain by Jones Lake Formation.
- Mid-Cretaceous (98-93 Ma) granitoid intrusive rocks of the Mayo suite, based on U-Pb zircon dating, are represented by the MacArthur batholith to the west of the target area (Colpron et al., 2016). A similar intrusion is thought to underlie Dromedary Mountain.
- The area is deformed by a northwest-trending fold and post-Triassic thrust belt. Thrust faults are offset by steeply dipping, north-south oriented faults that have both strike-slip and dip-slip displacement.

The Goldorak project area is interpreted to straddle the northerly directed Twopete Thrust Fault. The Twopete Thrust strikes over 107 km (Godey, 2013). The Rabbitkettle Formation of the Road River Group makes up the upper panel and the Earn Group the lower panel on the west side (Dromedary Mountain and François Grid) of Dromedary Creek. East of the northeast trending fault in Dromedary Creek, the Mount Christie and Tay Formations form the lower plate, with the Road River Group, without the Rabbitkettle Formation, forming the upper plate.

From Cobbett (2018):

> *"Detailed mapping along the Twopete fault provides evidence that it was a syn-sedimentary fault that controlled deposition of Upper Devonian clastic sedimentary and volcanic rocks. Fossils collected during mapping provide constraints on the position of the Twopete fault; Ordovician fossils were found in its hanging wall and Late Devonian fossils in the footwall. This in turn shows that known mineralization is hosted in Upper Devonian sedimentary strata in the immediate footwall of the Twopete fault, suggesting a genetic link between mineralization and the fault, a relationship that can be traced for approximately 100 km to the southeast.*

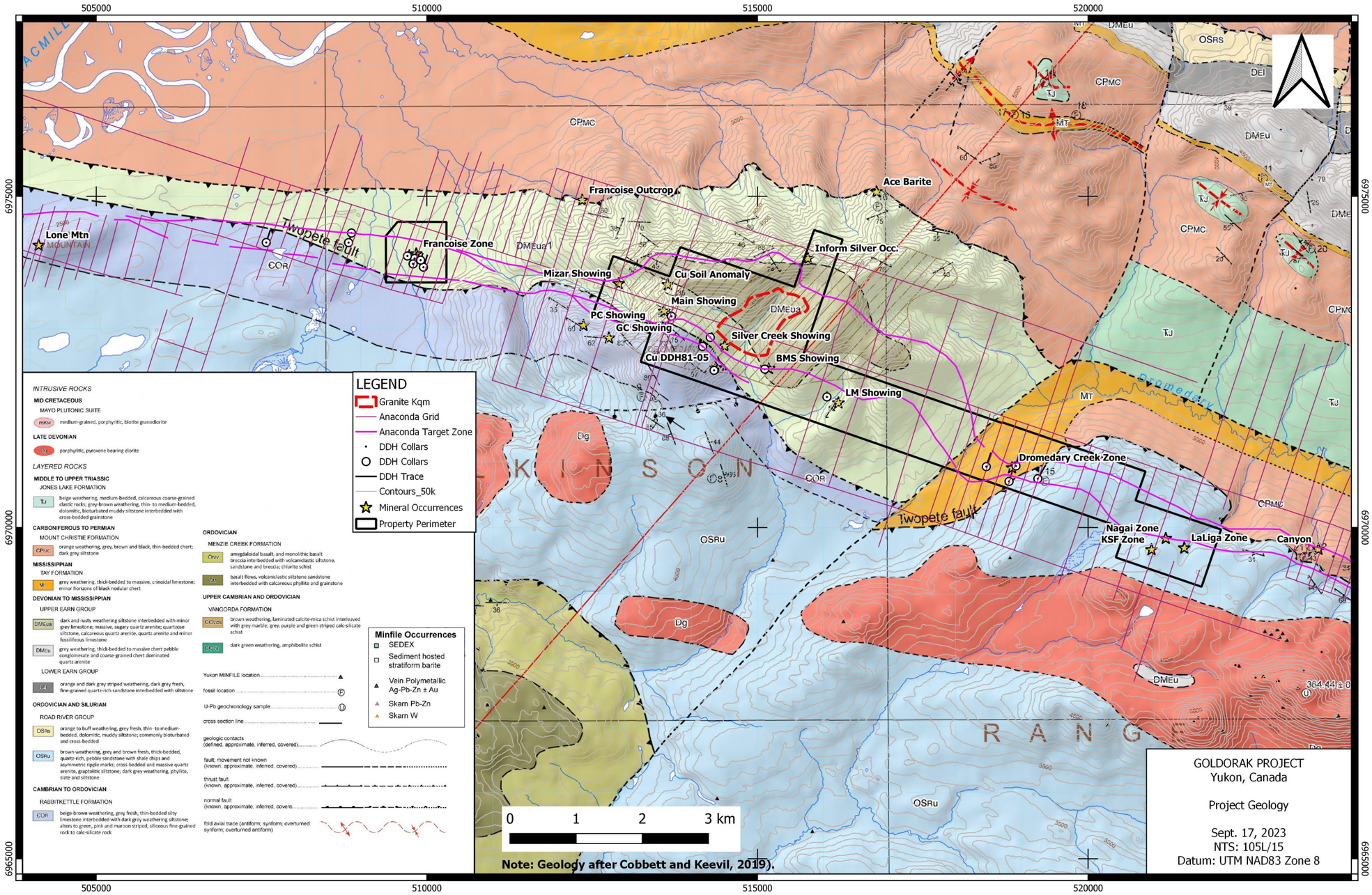


Figure 3. Regional Geology (geology after Cobbett and Keevil, 2019).

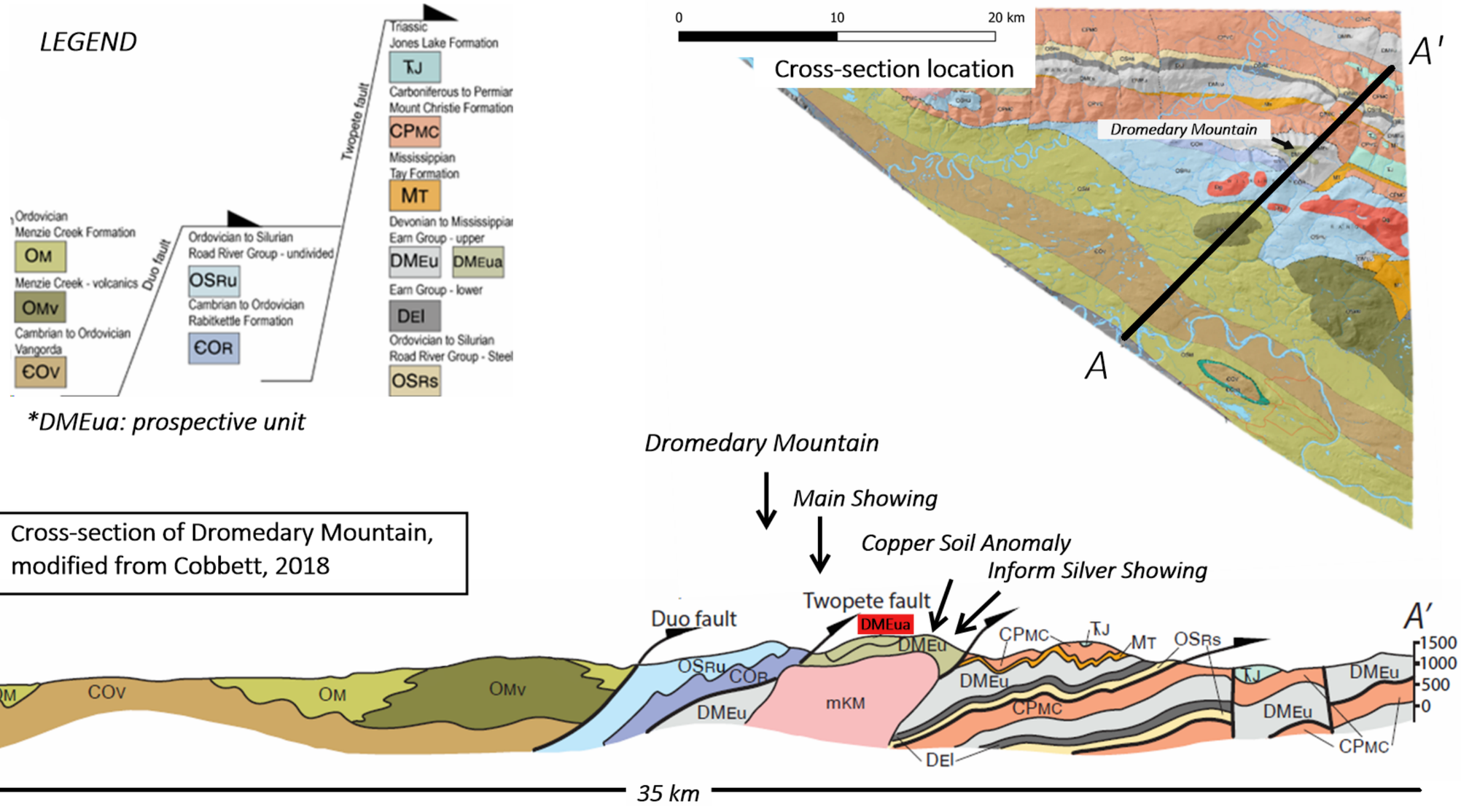


Figure 4. Geological context of the Goldorak Property. Unit DMEua, highlighted in red on the cross-section is a prospective unit. Showing locations are projected. Interpretation from Cobbett (YGS), 2018

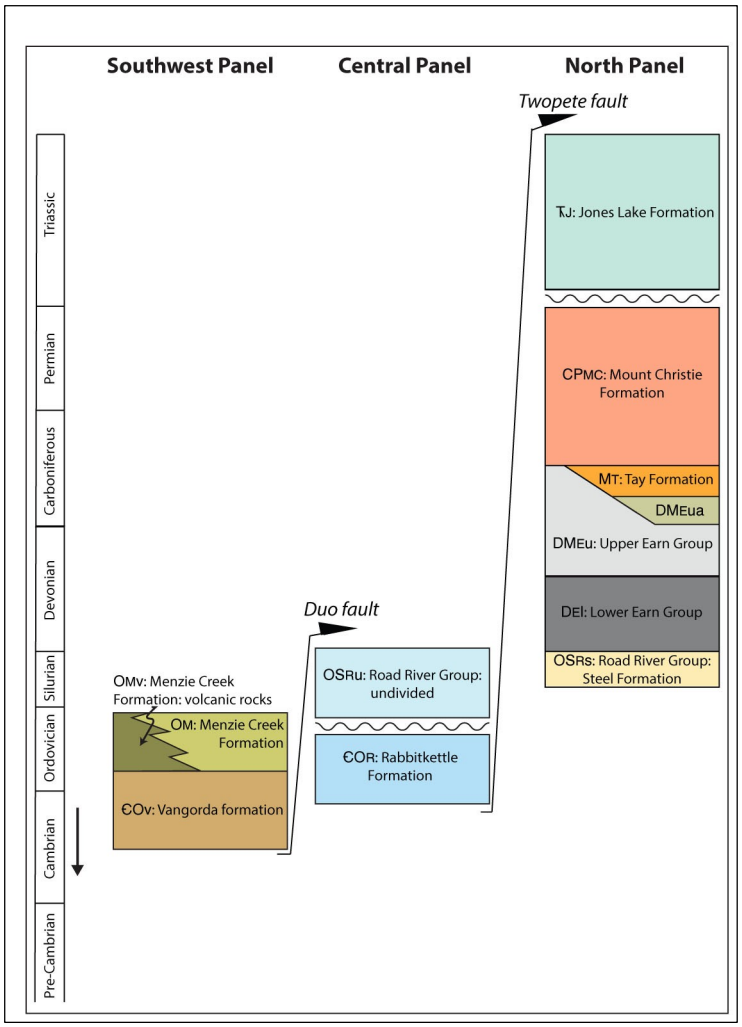


Figure 5. Diagrammatic stratigraphic column for Glenlyon area, from Cobbett, 2019.

Mid-Cretaceous plutons exposed in the footwall of the Twopete fault are locally coincident with mineral occurrences. At Dromedary Mountain, a buried intrusion is imaged in regional aeromagnetic surveys and coincides with occurrences of polymetallic veins and a pyrrhotite-pyrite halo at surface. This relationship between epigenetic mineralization and Cretaceous intrusions continues to the southeast.

These features suggest that the Twopete fault is a long-lived, crustal-scale structure that defines a prospective corridor with potential for Late Devonian syngenetic mineralization similar to Macmillan Pass, replacement-style mineralization, and mid-Cretaceous vein-style mineralization similar to the Keno Hill district."

Located approximately 75 km to the southeast, the Keg deposit shares some similarities with the geological setting at the Goldorak Project. These include structural complexity involving thrust faults, normal faults, juxtaposition of siliciclastic rocks and spatial association with a granitic intrusion. At the Keg, a small Cretaceous granitoid within two kilometres of mineralization may have provided heat and or fluids to the mineralizing system (Giroux and Melis, 2014).

Known mineral occurrences within the project area are shown on **Figure 3** and listed in **Table 2**. Mineralization can be grouped into three main types: sedimentary exhalative (SEDEX), replacement, and vein type.

6.1. Exploration Model

The Goldorak project is located within the Tintina Gold Belt which includes a variety of gold deposits (and silver and tungsten deposits) and occurrences in the Yukon and Alaska. The Dromedary Mountain intrusion is one of approximately 150 felsic plutons and stocks intruding the variably calcareous strata of the Selwyn Basin. There is a wide range of geological settings but all the gold deposits and occurrences:

- have a spatial and temporal association with Cretaceous plutons,
- commonly Au dominant with subordinate base metals,
- have distinct elemental associations, typically strong correlation with; Bi, As, Sb, Se, Te and W,
- mineralization is characterized by low sulfide content and reduced – sulfide (pyrrhotite) mineral assemblages,
- have a known or presumed genetic relationship between the intrusion and the mineralization.

The spatial relationships and metal – mineral assemblages associated with the plutons and stocks are zoned with respect to the felsic intrusions. Mineralization is found as;

- Intrusion-hosted within the pluton (Fort Knox, AK and Dublin Gulch, YT)
- Proximal, in contact with or within the thermal aureole
- Distal settings beyond the hornfels zone (Aurmac Deposit, YT.).

According to Rowins (2000):

> *"The low-grade Cu-Au core is an expected consequence of both the fluid evolution in reduced porphyry Cu-Au deposits and the initial metal budget of the hydrothermal ore system. The recognition of a reduced porphyry Cu-Au system should prompt the mineral explorationist to search at distal sites deemed favorable for focusing and precipitating Au and Cu-rich vapors.*
>
> *The recent thermodynamic and experimental studies documenting relatively high Au solubility in reduced saline fluids, coupled with the vapor transport of Au and Cu during subsequent fluid immiscibility, raise the possibility that reduced ore fluids in a boiling porphyry environment can, under favorable circumstances, transport large quantities of Au (and Cu) as reduced S complexes to distal sites far from the causative porphyry. Mineralization in this peripheral environment may take several forms, including structurally controlled, sheeted sulfide veins in hornfels and sulfide replacement bodies (mantos) in calcareous metasedimentary rocks."*

Mineralization found to date within the Goldorak project fits the reduced intrusion model as the Dromedary Mountain intrusion is non-magnetic, has reduced – sulfide (pyrrhotite) proximal and distal mineralization and gold has a strong elemental association with the typical pathfinder elements (As, Bi, Te). The project also is centered over the Twopete Thrust that provides an excellent conduit for mineralizing fluids. The variably calcareous host rocks of the Earn Group also make good host rocks for skarn and replacement style mineralization.

Mineralization found at the Keg deposit has a spatial association with a granitic intrusion, is structurally complex involving thrust faults, normal faults, and juxtaposition of siliciclastic rocks (Giroux and Melis, 2014). The small Cretaceous granitoid found within two kilometres of mineralization may have provided heat and or fluids to the mineralizing system. The Keg deposit, showings found within the Goldorak Project area and mineral occurrences to the NW form a NW trending belt of intrusion related mineralization extending over >100 km.

Recent work by Banyan Gold Corp. (Thornton et al, 2023) has identified an inferred resource of

6,181,000 ounces of gold at 0.61 g/t (625.8 million tonnes) in the Keno Hill Silver Camp (located about 120 km to the NNW). Gold mineralization is associated with pyrrhotite retrograde skarn - like assemblages, with quartz – arsenopyrite veins and siderite-galena-sphalerite veins/breccias. Both the Keno Hill Silver Camp and Aurmac Property mineralization are related to Tombstone Cretaceous-aged intrusions located well beyond any hornfels aureole. Both the Goldorak Project area and the Keno Hill Silver Camp (including the Aurmac Property) are both districts hosting multiple mineralized zones.

Table 2. Table of Goldorak Mineral Occurrences.

Occurrence Name	UTM NAD 83 Easting	UTM NAD 83 Northing	Lithology	Description	Rock Geochemistry	Number	Au ppm	Ag ppm	As ppm	Bi ppm	Cu ppm	Fe %	Pb ppm	Zn ppm	Reference (information from others)
Main Showing	**513590**	**6973265**	Hornfels	Meter scale, semi massive - massive iron sulfide 'lozenges' at contact between shale and calc-silicate (along or near a E-W trending fault zone?)	2021 Rock grab	W425861	3.32	7.1	46	674	2130	32.3	4	260	
			Massive sulfide		2021 Rock grab	W641892	0.964	4.4	3180	215	1570	11.05	6	116	
			Massive sulfide		2023 Rock grab	Y647984	1.22	18.2	62.5	1030	634	9.03	327	2.73%	
Silver Creek Showing	**514505**	**6972740**	massive sulfide, quartz veins, calc-silicate	Approximate bedding 145/55S. Rusty-vuggy, rounded massive sulfide, about 40 cm thick, grey massive sulfide within metasediment, quartz veinlets with sulfides.	2020 Rock grab	W641871	0.008	1.8	8850	2	3180	19.65	159	944	
					2022 Rock grab	W425942	0.263	1.6	24	407	8	2.25	4	244	
BMS Showing	**515175**	**6972400**	massive sulfide	Massive sulfide, small exposure and up to 60 cm thick quartzite - siltstone wallrock. Rusty weathering fine-med grained granular dark grey sulfide in groundmass of qtz-chlorite.	2020 Rock grab	W641915	0.005	3.3	343	2	870	16.2	7	319	
Francoise Zone	**509840**	**6974130**	massive sulfide	Massive sulfide in drill holes including: 8.4% Zn, 2.4% Pb and 29.8ppm Ag over 2.0m in FRN96-04 and 2.2g/t Au over 4.4m in FRN96-02.											Caulfield, 1997; Jones, 1999; Hulstein, 1990
Inform Silver Occurrence	**515765**	**6974060**	Quartz Veins	Inform Resources rock grab A00044558 & JDP rock samples: Crustiform qtz veins and veinlets with diss arsenopyrite, pyrite and Fe oxides crosscutting shale and siltstone. W641900 cm scale fine grained massive sulfide pod/lens.	2012 Rock grab	A00044558	0.064	213	86	15.6	142	6.12	>1%	496	Gibson, 2013
					2020 Rock grab	W641875	0.067	193	13	42	113	6.59	>1%	374	
					2021 Rock grab	W641900	0.186	646	35	229	334	9.84	3.80%	2.66%	
Cu DDH81-05	**514370**	**6972410**	Siliceous skarn	DDH81-05; 1300ppm Cu over 37m. Siliceous skarn and calc-silicate											Carlson, 1982
Dromedary Creek Zone	**518850**	**6970900**	Massive sulfide	Four drill holes with low - mod grade Pb-Zn-Ag-Fe-Mn-Ni intersections											Carlson, 1982 & Caulfield, 1997
Nagai Zone	**521175**	**6969835**	Siliciclastic rocks	Qtz veined chlorite altered siliciclastic rocks with variable arsenopyrite.	2019 Rock grab	W641854	0.572	0.5	69	6	112	21.39	6	83	
					2021 Rock grab	W425904	7.19	0.5	>10k	17	73	13.6	10	59	
					2021 Rock grab	W425905	7.36	0.5	>10k	19	45	12.35	14	45	
					2021 Rock grab	W425906	2.75	0.5	>10k	8	9	9.81	7	78	
LaLiga Zone	**521455**	**6969690**	Iron oxide in siltstone	small lense of iron oxide in siltstone	2012 Rock grab	A00044574	0.99	1.76	103	0.25	333	15	3.8	37	Gibson, 2013
					2019 Rock grab	W641901	0.606	2	66	2	265	29	6	58	
Canyon	**523485**	**6969670**	Pyrite in shale-mudstone	Bedded Py <10cm thick in graphitic shale, chert, mudst, & marble in creek bed. Anomalous soil (Cu,Pb,Zn,Ag) on L102 & L110.											Hall, 1983
Francoise Outcrop	**512350**	**6974940**	Pyrite in shale-mudstone	Bedded Py <10cm thick in graphitic shale, chert, mudst, & marble in creek bed. Between L1800 - L2200W at about 1200m N											Hall, 1983
Lone Mtn	**504130**	**6974260**	Qtz-Aspy veins	Qtz-Aspy veins cutting hornfels grading up to 1.24% Pb, 0.41% Zn, 1012 g/t Ag over 0.3m. Skarn in area and within soil anomaly.											Eaton, 1989; Hall, 1983
PC Showing	**512370**	**6973050**	Skarn, shale, limestone	Narrow bands of massive - semi massive skarn sulfide mineralization.	2021 Rock grab	W641898	0.019	6.1	43	2	155	20.1	562	9.17%	
GC Showing	**512755**	**6972860**	Skarn, shale, limestone	Narrow bands of massive - semi massive skarn sulfide mineralization.	2021 Rock grab	W425863	0.177	0.7	863	2	212	32.6	60	4.32%	
					2021 Rock grab	W641897	0.082	0.5	4300	2	6	32.3	11	367	
LM Showing	**516225**	**6971880**	Agrillite, shale,	Qtz veins and rusty - iron oxide filled fractures and narrow faults cutting metased rocks.	2021 Rock grab	W425866	0.356	28	58	2	4070	13.35	9	69	
					2022 Rock grab	W425933	2.67	3.8	>10k	31	128	16.6	10	30	
	516765	**6971200**	Chlorite-diopside-pyrrhotite	Approx 800m SE of main LM Showing; angular float of chlorite - diopside and semi massive pyrrhotite.	2023 Rock float	Y647951	1.17	1.6	91.9	5.4	295	21.8	4.97	98.5	
KSF	**520960**	**6969665**	Diorite, hornfels	Calc-silicate, hornfels with crosscutting qtz-py veinlets, <1% diss fine grained pyrrhotite.	2019 Rock grab	W641863	0.165	0.5	11	2	235	3.84	6	73	
Ace Barite	**516800**	**6975065**		Bedded Barite – not examined by the Authors.											Hall, 1983
Mizar Showing	**512900**	**6973680**	Limestone, graphitic shale	Limestone - carbonate bed (10m width?) hosting Fe-oxide pod with 5% crystalline sphalerite, 1-3% fine grained grey sulfide? - arsenopyrite?	2021 Rock grab	W425854	0.51	2490	9900	4460	342	8.78	5.92%	4.71%	
	512912	**6973674**	Limestone- marble	Silicified marble-limestone with fine grained unidentified sulfides	2022 Rock grab	W425917	0.046	299	50	473	158	4.4	7220	8970	
	512856	**6973675**	Limestone-siltstone	Rusty boulder similar that Mizar showing. Heavily disseminated to semi massive sulphide, 10% pyrrhotite, 3-5% black-brown sphalerite, 1% galena and trace arsenopyrite, 5-10% calcite and quartz fragments.	2023 Rock float	Y647972	0.126	1160	1295	1890	207	6.01	2.47%	2.12%	
	512893	**6973680**	Limestone-marble	Rusty weathering grey siliceous limestone-marble 1.7m west of W425854. Approx. 1x1m panel sample.	2023 Rock panel	M895657	0.007	38.1	28	58.2	193	4.63	838	1195	

7. 2023 PROJECT AREA, GEOLOGY AND MINERALIZATION

7.1. 2023 Geological Mapping and Prospecting

Outcrop is generally restricted to the ridges, ridge spurs, gullies on hillsides, knobby outcroppings on hillsides and as exposures in the upper reaches of creek drainages. Outcrops were examined, given a station number, data recorded in notebooks and locations recorded by GPS. Traverses and field station data is presented in Appendix D and locations are shown on **Figure 6a** and **6b** with results incorporated in the geology maps **Figures 7a** and **7b** (geological symbols are shown on **Figure 8**). Most outcrops consisted of foliated, quartzite, siltstone to shale, locally calcareous or limy. Local limestone beds were noted but are not common. Both foliations and bedding generally strike east–west and dip moderately to the south.

As described above, three mineral occurrences, the Mizar, LM, and the area from the Main Showing to the Copper Soil Anomaly were examined and sampled in 2023. Geological observations obtained in 2023 are described further below under '2023 Exploration Results'. The main rock unit encountered in 2023 was the Upper Earn Group (DMEua). South of the Main Showing, units of the Road River Rabbitkettle Formation (COR) were encountered.

7.2. Property Geology

According to the YGS geology map and as described by Cobbett (2019) and shown on maps by Cobbett and Keevil (2019) and Hall (1983), the project area is underlain mainly by siliciclastic clastic units. Units as encountered from north to south across the project area consist of:

1. Carboniferous to Permian Mount Christie formation consisting of thinly bedded chert and grey siltstone (CPMC),
2. Upper Devonian Group siltstone interbedded with gray limestone, calcareous quartz arenite and quartz arenite of the Earn Group (DMEua),
3. Cretaceous quartz monzonite pluton (mKm) (Carlson, 1980; Hall, 1983), intruding the Earn Group,
4. COR Cambrian to Ordovician Rabbitkettle Formation, silty limestone, grey weathering siltstone; altered to green, pink, and maroon striped, siliceous, fine-grained rock to calc-silicate in the project area,
5. Ordovician Road River Group silica-rich pebbly sandstone and cross-bedded quartz arenite with phyllite, slate and siltstone (OSRu),
6. Devonian porphyritic, pyroxene bearing diorite intruding the Road River Group (OSRu).

Mapping by Anaconda in 1980 - 1982 (Carlson 1981 and Hall, 1983) has geological discrepancies when compared to Cobbett's 2019 map (Cobbett, 2019). Most geological units are similar but geological contacts do differ significantly between Anaconda and Cobbetts's mapping and Anaconda's work

includes more subunits. Significantly, they both recognize the Twopete Fault although Cobbett has it offset by a significant NE trending fault in the upper section of Dromedary Creek. While both Cobbett and Keevil's (2019) and Anaconda's mapping both show the Twopete Fault, Anaconda's map also shows a prospective zone of Earn Group rocks bounded by the Twopete Fault and a splay to the north. It is along the Twopete Fault and its splay to the north that most of the replacement and vein type mineral occurrences are found (**Picture 4**).

Significantly, geological mapping by Anaconda located a quartz monzonite intrusion, likely belonging to the Cretaceous Mayo Suite, east of Dromedary Mountain. This was not located by Cobbett and Keevil (2019) but was relocated by Hulstein and de Pasquale in 2020. A rock sample from outcrop (Rosie Sample 1) was collected for possible whole rock analysis and age dating in 2020. Cobbett and Keevil (2019) show the intrusion being approximately bounded by the Twopete Fault on the south side and underlying Earn Group rocks to the north which is consistent with the known exposure and the mapped hornfels zone.

The intrusion (mKm) is a biotite-quartz monzonite, porphyritic granite and, where observed in outcrop and float, it was very fresh and contained only rare unmineralized quartz veins. The quartz monzonite contains about 5% megacrystic up to 2-3 cm size feldspar crystals, approximately 20% smoky rounded 3-4 mm quartz phenocrysts, about 5% prismatic 1-2 mm biotite, all in a groundmass of <1 -1 mm quartz and feldspar.

Hand samples and a sample selected for possible age dating of the quartz monzonite (mKm) has been tested by a magnetic susceptibility meter. The Terraplus KT-10 magnetic susceptibility meter yielded a measurement of 0.000 SI units while the more sensitive meter SM 30 (ZH Instruments) recorded a maximum measurement of 0.717 SI units. According to Hart and Goldfarb (2005) this low measurement, lack of observed magnetite in the rock and in the panned stream sediment samples draining the intrusion, is consistent with the quartz monzonite being a reduced intrusion. Examination of thin sections made from samples of the intrusion, examined by Rosie Cobbett of the Yukon Geological Survey, indicate it is similar to the Mayo Suite (95-96 Ma).

In 2021, Tim Liverton identified intrusive rocks in two thin sections (de Pasquale and Hulstein, 2022). Sample W641867 collected in 2020 on the west slope of Dromedary Mountain (0.147 g/t Au, 233 ppm Bi, 6100 ppm Cu, 1380 ppm W) shows granitic texture and it may be an altered mineralized dike. On the northern ridge, east of the Inform Silver showing, a hand sample collected in 2021 near GeoStation JDP21-029 reveals a fine-grained sub-volcanic intrusive texture. These two intrusions may be derived from the Late Cretaceous central plug or may constitute a distinct structurally controlled fluid injection phase.

7.3. Mineralization

Mineralization found in the Goldorak area as described above in Regional Geology (Section 6 and 6.1) consists of three types: SEDEX, skarn - replacement type and vein type. A brief description of each type and where it is found in the project area is given below but it should be noted that only the LM,

Main, Mizar and Copper Soil Anomaly zones, the latter located north of the Main Zone, were examined in 2023. An unsuccessful search was made for drill hole DDH81-09 at the Dromedary Creek Zone in 2023.

SEDEX (sedimentary exhalative) type: SEDEX mineralization identified by previous workers at the François and the Dromedary Creek Zone is now interpreted mostly as distal replacement mineralization related to the Dromedary Mountain intrusion. True SEDEX mineralization is restricted to the galena – sphalerite mineralization at the François Zone (in drill core) submitted for lead isotope analysis (Jones, 1998) and the bedded barite found at the Ace barite occurrence. SEDEX mineralization was not examined or encountered in 2023 and will not be discussed below.

Skarn and replacement type (found as both proximal and distal to the hornfels zone surrounding the Dromedary Mountain intrusion): typified by the Main showing but also includes the PC, GC, Silver Creek and BMS showing skarn. The massive pyrrhotite found in drill core on the François grid and Dromedary Creek is also likely of replacement type (and not SEDEX). The LM and Mizar showings are possibly replacement type, but they also have characteristics of vein type mineralization. It should be noted that distal skarn and replacement type mineralization may form both laterally to the exposed portion of the Dromedary Mountain intrusion and above (and laterally) to unexposed portions of the intrusion.

Vein-type: commonly quartz-low sulfidation veins and veinlets as found at the Inform Silver, Nagai, LM, KSF and reportedly (Hall, 1983) at Lone Mountain. Prominent barren quartz veins are found on the west-facing scree slope 500 m north of the Main showing. To date only minor non-mineralized quartz veining has been noted in the quartz monzonite.

The Mizar showing, LM, Main, and Dromedary Creek showings were examined in 2023 along with the Copper Soil Anomaly north of the Main showing.

All the above showings had their locations accurately located by GPS and were prospected and sampled. Following receipt of positive geochemical results, it is apparent much work remains to be done, particularly at the Mizar, LM, and Copper Soil Anomaly showings. Only the showings and zones examined in 2022 will be described in detail below.

7.3.1. Skarn - Replacement style

The BMS, Silver Creek, PC, GC, Copper Soil Anomaly and Main showings are all found well within the hornfels zone of the Dromedary Mountain intrusion. All showings consist of rusty iron oxide weathering bands, mostly bedding conformable, of grey semi-massive pyrite-pyrrhotite with minor disseminated chalcopyrite (generally <1%), galena and sphalerite all in a dark green groundmass of quartz–diopside. Locally there are commonly cross-cutting variably mineralized quartz veins +/- sulfides that cut or are in close proximity to the sulfide bands. The thickest unit appears to be at the Main showing where sulfide ‘lozenges’ are up to 10 m long and up a maximum of 2 to 3 m thick.

Ferricrete is found in the ridge saddle upslope of the Main showing in a historical blast trench, over a distance of >25 m, located approximately 100 m north of drill hole collar DDH81-01 and -02, and in the creeks draining to the east and west of the showing. The creeks themselves are in close proximity, or are possible surface expressions, of an east-west trending fault zone(s). This fault is believed to be the Twopete Fault, a northerly directed thrust fault, with the upper plate, Road River unit OSRu, thrust over the younger Upper Earn Group, unit DMEua.

Diamond drilling in 1981 by Anaconda (Carlson, 1982) intersected mineralization described as massive to semi-massive skarn like sulfide mineralization in drill holes DDH81-01 and DDH81-02 at the Main showing and in DDH81-06 at the BMS showing. Mineralization is described as consisting largely of pyrrhotite and pyrite with trace to generally less than 3% disseminated chalcopyrite, galena, sphalerite and occasionally arsenopyrite. This is similar to what was observed at the mineral occurrences in 2020 - 2023.

Equity Exploration Ltd. submitted two samples (Dromedary Main and 010451) to Harris Exploration Services from the Main showing in 1997 for thin section examination. Harris described them as follows (in Jones, 1998):

The silicate components are mosaic aggregates of anhedral quartz and intimately intergrown diopside - the latter occurring partly as tiny, included granules in the quartz, and partly as vari-sized prismatic subhedra. Minor associated silicates are epidote and chlorite in 010451, and garnet in the Dromedary Main sample.

Pyrrhotite (plus minor chalcopyrite) occurs evenly intergrown with the silicates, in apparent co-genetic relationship, in 010451; a few laminae of fine-grained plagioclase are also present. In the Dromedary Main sample, where sulfides (possible tuff intercalations?) are the dominant component (75% of the rock), the accessories are arsenopyrite, sphalerite and galena as well as a little chalcopyrite. The sectioned portion includes two textural variants: an intimate non-foliated intergrowth of pyrrhotite and diopside; and a foliated variant in which laminar segregations of monomineralic pyrrhotite alternate with bands composed of fine-grained intergrowths of pyrrhotite and sphalerite with quartz and garnet.

Of note is that sample 010451 described above contained 1.510 g/t Au, 4.6 ppm Ag, 2570 ppm Cu and 2220 ppm Zn (Jones, 1998).

The Mizar showing found in 2021 is distal (outside the hornfels zone of the Dromedary intrusion) replacement type mineralization although it could be controlled by a part of a vein-fault structure. It consists of a pod of sulfides hosted by a grey silty limestone/marble and silicified calcareous rocks with disseminated sulfides. The sulfide pod (approx. 25 x 30 x 50 cm?) consists of iron oxide and 5% crystalline sphalerite, 0.5% fine-grained arsenopyrite and 1-3% unidentified grey sulfide (likely a silver rich mineral). Additional prospecting and sampling in 2022 of a 5 x 10 m grey medium grained granular silicified weakly calcareous metasediment below the sulfide pod contains disseminated pyrite and grey sulfides. Outcrop about 10 m south, on the other side of the creek, from the high grade 2021 rock sample, consist of brown rusty weathering grey silicified fine - medium grained crystalline limestone, minor argillite, with minor tremolite - actinolite and 1-4% fine – medium grained disseminated pyrite and pyrrhotite.

Anaconda identified an approximate E-W trending HLEM conductor at the Mizar which also approximates the trend of the nearby creek gully.

7.3.3. Vein Type

Mineralization at the LM showing consists of disseminated pyrrhotite-pyrite, arsenopyrite and chalcopyrite in argillite and banded calc-silicates cut by thin (<1 cm) quartz veins. This description of mineralization and calc-silicate, quartzite and siliceous argillite units is very similar to the drill hole log for the drill hole at the Cu DDH81-05 Showing. Host rocks, commonly calc-silicate with disseminated sulfides, are locally brecciated with quartz filling and a narrow (<10 cm) wide fault–shear zone with boxwork iron oxides and vuggy quartz breccia with trace malachite and azurite (<0.5% overall). A thin skarn unit intersected in nearby drill hole DDH81-07 returned 335 ppm lead, 114 ppm copper, 6.0 ppm silver and 5.5% iron, the highest values for those elements in the drill hole.

Abundant white barren quartz veining cutting quartzite was noted on the south facing scree slope between the Inform Silver showing and the Main showing. Although visually barren, the veins returned up to 3180 ppm tungsten (2020 rock sample W641914) and the amount of veining is considered anomalous and indicative of a widespread hydrothermal system peripheral to the exposed quartz monzonite. Additional prospecting in 2022 within the Copper Soil Anomaly located numerous areas of quartz veining, local sheeted quartz veins, commonly cutting quartzite. Samples of this veining returned low values for gold and silver although some pathfinder elements (As, Sb) were weakly anomalous.

8. GEOCHEMICAL DATA

8.1. Regional and Historical Data

Results from the Geological Survey of Canada's Regional Geochemical Survey (GSC, RGS) for the project area for Au, As, Cu and Sb define an anomalous NW trend. This is parallel to the stratigraphy and thrust faults that also appear to be boundaries for SEDEX style mineralization and the identified skarn/replacement and vein-type mineralization. This same belt of rocks was identified by Anaconda as being prospective for SEDEX deposits and tested by diamond drilling in the 1980's and 1990's.

In 1981 Anaconda Canada Exploration Ltd. established a surveyed cut line grid east and west of Dromedary Mountain from Earn Lake to the McMillan River (Carlson, 1981 and Hall, 1983) that was used for access and location (**Figure 3**). The reader is referred to Carlson (1981) and Hall (1983) for details on the geochemistry carried out in the 1980's. Anaconda and others (chiefly Dromedary Exploration Company Ltd. and Blackstone Resources Inc.) used the grid for soil geochemical survey and geophysical survey control and for location during geological mapping. In treed areas the cut lines can still be located and used to locate previous work sites.

A limited ridge and spur soil sampling and rock sampling program was conducted in 2012 (LaLiga Project) by Inform Resources Corp. (Gibson, 2013) and this work is available digitally. Inform Resources geochemical results have been incorporated with the work carried out in 2019 – 2023 by the authors.

8.2. 2019 - 2022 Programs

A total of 168 rock, 203 soil and 28 stream sediment samples were collected between 2019 and 2022 by Hulstein and de Pasquale (Hulstein and de Pasquale, 2020, 2021, 2022). Results of these programs along with those of Inform Resources Corp. (Gibson, 2013), 25 rock and 66 soil samples, were incorporated in the sample database and are plotted alongside the 2023 results.

8.3. 2023 Program

A total of 48 rock, 33 soil and 5 stream sediment samples were collected in 2023. Sample locations, sample numbers and gold results for these samples are shown on **Figures 6a and 6b**. Geochemical results from the 2023 program, previous programs in 2019 - 2022 and Inform Resources 2012 work are shown for gold, silver, copper, lead, zinc, arsenic, bismuth, and on **Figures 9 to 17** respectively in the map pocket. Data from 2023 including analytical certificates are presented in **Appendix A**, rock sample results merged with location and sample description data are presented in **Appendix B**, and for soil and stream sediments in **Appendix C**.

All samples were submitted to ALS Canada Ltd.'s preparation laboratory in Whitehorse and analyzed in Vancouver. Rock samples were analyzed for gold by method Au-ICP21 using a 30 grams fire assay and ICP-AES finish. An additional 36 other elements were analyzed in rock samples by method ME-ICP61L

which uses a four-acid digestion followed by ICP-MS.

Soil and stream sediment samples were analyzed for 43 other elements by ALS Canada method AuME-TL43. This method for Au + multi-element package employs a single Aqua Regia digest with 25 g charge weight. Gold, in conjunction with a wide range of base metal and pathfinder elements, are determined from the same digested solution via a combination of ICP-MS and ICP-AES. Stream sediment samples consisted of about 0.5 kg stream sediment material.

Rock samples, averaging 1–2 kg, were collected by GeoTul hammer from surface outcrops or float where mineralization was noted or suspected.

All soil samples were collected by shovel or GeoTul at depths generally of 25 cm or greater except in areas of rock talus where talus fines were collected. Many of the samples can be best described as talus fines and are not true soils. Soil sampling in many areas is difficult as the siliceous rocks, calc-silicates, quartzites and siliceous argillites, have not weathered sufficiently since the last glaciation to form proper soils.

8.3.1. Rock Sample Geochemistry

In 2023, rock grab sample Y647984 (**Picture 5**) from within Copper Soil Anomaly area, on the north facing slope, returned 1.22 g/t Au, the highest gold value from a rock sample in 2023, and anomalous values for Ag (18.2 ppm), Cu (634 ppm), Bi (1030 ppm), Fe (9.03%), W (1660 ppm) and Zn (2.73 %). This was collected form a heavily mineralized quartzitic – skarny sandstone 1.5x3 m outcrop mineralized with pyrrhotite, chalcopyrite and sphalerite.

Other sample (Y647951) that returned significant gold values in 2023 was a piece of angular float of dark green of what is probably fine-grained chlorite – diopside – quartz and semi-massive pyrrhotite contained 1.17 g/t Au (**Picture 6**). It was collected about 800 m SE of the LM Showing in a creek gully. The bedrock is poorly exposed in the area. Sample Y647953 collected from outcrop returned 0.107 ppm Au within silicified argillite, moderately oxidized and sheared (**Picture 7**).

A 1.2 m chip sample (Y647979) consisting of semi massive banded pyrrhotite collected from the Main Zone approximately 35 m north of drill hole collars DDH81-01 and DDH81-02, from an area that in previous years was covered by snow, contained 0.588 g/t Au, 206 ppm Bi, 1350 ppm Cu, 11.75% Fe, 770 ppm W, 1110 ppm Zn and 770 ppm Se (**Picture 8**).

In 2023 the Mizar showing was re-examined and 8 rock samples were collected within 40 m of the 2021 discovery outcrop. A float sample (Y647972) of altered and mineralized limestone - marble similar to that found at the original discovery outcrop returned 1160 ppm Ag, 0.126 g/t Au, 1,259 ppm As, 1890 ppm Bi, 131.5 ppm Mo, 2.474 % Pb, 418 ppm Sb, 700 ppm Se and 2.12% Zn (**Picture 9**). The other samples returned a high of 38.1 ppm Ag.

The analytical technique used in 2023 allowed for a lower detection limit for Se and anomalous values were reported from the Mizar Showing (700 ppm Se), Main Showing (162 ppm Se) within the Copper

Soil Anomaly on the north facing slope (240 ppm and 133 ppm Se). Rock samples from the LM Showing area returned <4.5 ppm Se.

8.3.2. Soil Sample Geochemistry

A total of 33 soil samples collected in 2023. The highest gold value of 0.145 ppm was returned from sample W425962 (**Picture 10**), part of a soil contour line of anomalous soil samples on the north facing slope within the Copper Soil Anomaly. This same sample returned anomalous values for As, Bi, Cu, Co, Mo, Pb, Sb, Se, Te, W and Zn.

Soil samples collected at the LM Showing and area returned low values for gold and silver. An arsenic in soil anomaly (five samples >100 ppm As) was identified over a distance of 500 m on the LM ridge spur (**Picture 11**).

8.3.3. Stream Sediment Geochemistry

A total of five stream sediment samples were collected in 2023 from area of the LM Showing. All samples contained less than 0.005 ppm Au. Four samples returned between 120 to 144 ppm As and two samples contained 1.59 ppm and 5.4 ppm Bi.

9. DRILLING

There have been several drill campaigns within the Goldorak project area totalling 20 drill holes and 3718 m. The first drill program by Anaconda in 1981 consisted of 10 diamond drill holes totalling 1811 m. Seven of these drill holes (DDH81-01 to DDH81-07) are located on the ACTA claims staked over Dromedary Mountain. A total of nine drill holes were on the François Grid testing for stratabound massive sulfides and gold. Three of these drill holes (DDH90-01, 02 and DCK96-01) are on Category A land of the Selkirk First Nation. Four drill holes tested anomalies at the Dromedary Creek Zone. Drill hole DDH81-08 at the Dromedary Creek Zone was relocated in 2022. An unsuccessful search for drill hole DDH81-09 was made in 2023.

All of the Anaconda drill holes located to date (DDH81-01 to 08) were found to be marked by steel casing pipe. Please refer to de Pasquale and Hulstein (2019, 2020, 2021 and 2022) for additional information on the drill programs.

10. GEOPHYSICAL DATA

Regionally the aeromagnetic signature over Dromedary Mountain quartz monzonite intrusion is similar to the McArthur batholith (**Figure 18**) assigned to the Mayo Suite. Both are aeromagnetic lows (blue) surround by an oval-shaped (extended along the Twopete fault) magnetic high (yellow – red – maroon) that corresponds to a pyrrhotite-rich contact aureole. This is a characteristic of exposed to shallowly buried plutons. Given the coarse nature of the magnetic survey of one half-mile spaced flight lines, this can be considered a close approximation.

Among the mid-Cretaceous Tintina Gold Belt plutonic suites, the Tombstone, Mayo, and Tungsten suites are considered the most metallogenically prolific. The Mayo suite intrusions are characteristically gold-enriched, with As-Bi-Te and W associations (Hart, 2007).

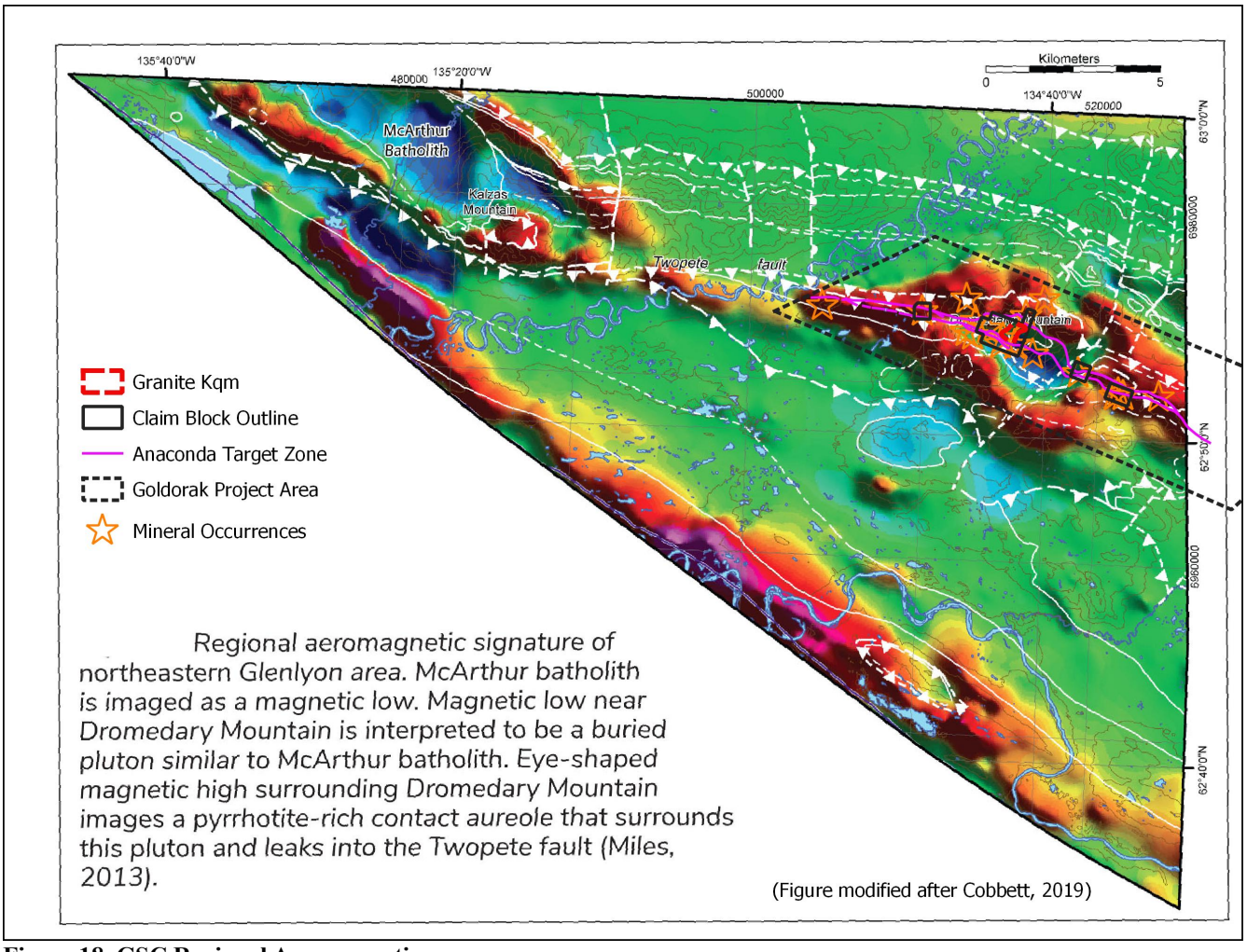


Figure 18. GSC Regional Aeromagnetics

Within the project area, most of the replacement type mineralization, the massive to semi-massive pyrrhotite dominant sulfide bodies, is on the margins of the aeromagnetic highs (**Figure 19**), typical of distal mineralization (outside the hornfels zone). The thrust faults mapped by both Cobbett & Keevil (2019) and Hall (1983 are thought to be mineralizing conduits. It should be noted that distal skarn and replacement type mineralization may form both laterally to the exposed portion of the Dromedary Mountain intrusion and above (and laterally) to unexposed portions of the intrusion. This is indicated by the pyrrhotite dominant mineralization found at the François, Dromedary Creek and Nagai Zones.

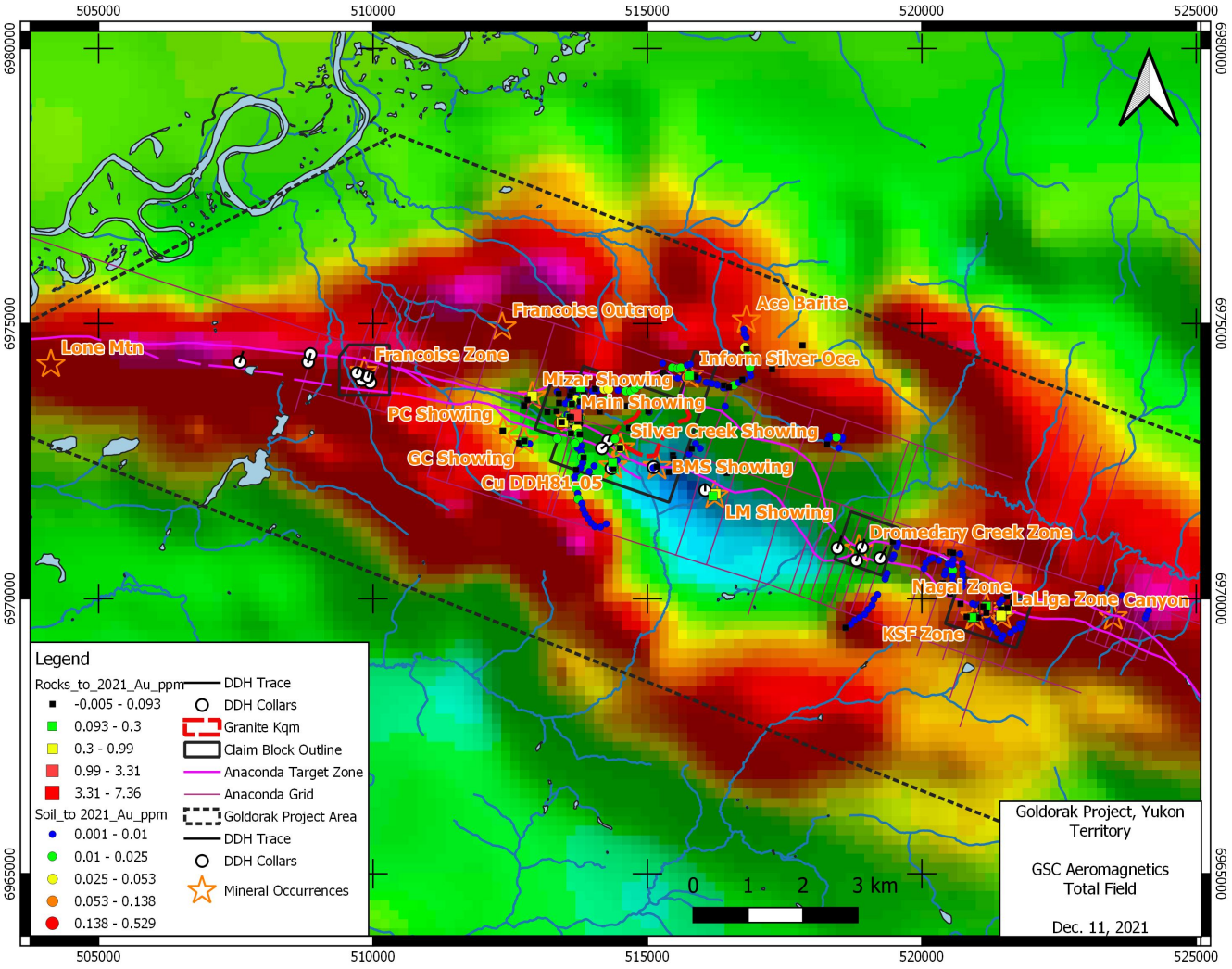


Figure 19. GSC Aeromagnetics (total field) over project area

In 1981 Anaconda carried out a horizontal loop electro-magnetic (HLEM) survey totalling 156-line km utilizing an Apex Parametrics MaxMin II electro magnetometer and a 100 to 150 m coil separation (Carlson, 1991, Hall, 1983). An additional 98-line km of magnetometer survey was completed in 1981. In 1982 an additional 109-line km of horizontal loop and magnetometer survey was completed along with 45-line km of gravity/levels survey was carried out (Hall, 1983). Portions of these surveys have been scanned and digitized and the results incorporated in this report (**Figure 20**).

Alan Scott (in Hall, 1983) states that the HLEM conductors are believed to be an accurate

representation of the strike of the underlying metasedimentary units. Furthermore, he notes that for the main part the HLEM conductors are believed to represent graphitic horizons, particularly any horizons along which movement may have occurred and hence 'smeared' the graphitic material into highly conductive 'sheets'. Carlson (1981) states that: ``*An accurate limit to the thermal effect of a major intrusive can be located easily since the conductors of apparently – graphitic origin abruptly culminate.*" This can be seen on **Figure 20** and importantly, conductors that cut across the thermal halo of the intrusion deserve attention as they are less likely to be due to graphite. Where they are coincident with magnetic anomalies the chance of the anomaly being underlain by conductive sulfides is greater.

11. 2023 PROGRAM AND RESULTS

The 2023 field program was carried out in two phases, the first from July 14 to July 19, 2023, focused on the LM Showing and area. The second phase carried out August 13 to August 17, 2023, was on the western side of the property and included the examination of the Mizar, Main Showings and the Copper Soil Anomaly area.

The work carried out in 2023 and the results will be described along with some of the work and significant results obtained in 2020 - 2023. Historical work by other operators, including work and results from showings and zones not examined in 2023, will also be included where required to give additional context to the 2023 program.

11.1. LM Showing

While gold values were <0.005 ppm, soil sampling along the LM Showing ridge returned anomalous arsenic values up to 239 ppm As. Five out of twelve soil samples, spaced 50 m apart, returned >100 ppm As delineating a 500 m wide soil geochemical anomaly of >30 ppm As. Four rock samples were collected from the same ridge to follow-up and extend the mineralization found in 2021 and 2022 returned a high of 0.219 ppm gold (sample Y647967) and >10,000 ppm As.

Investigation of the eastern tributary of the creek north of the LM Showing reveals the presence of molybdenite rich float (sample Y647959, 381 ppm Mo) consisting of a quartz-veined calc-silicate rock. Sulfides occur both in the quartz vein and vein selvage. Northeast of the LM Showing stream sediment sample M895904 returned 120 ppm As, 5.4 ppm Bi, 173 ppm Cu and 909 ppm Zn.

Investigation of satellite imagery identified what appeared to be a ‘white creek’ located approximately 600 to 900 m southeast of the LM Showing. This area is also within an area devoid of HLEM conductors possibly indicating an unmapped felsic intrusion. The presence of a ‘white creek’ due to creek boulders being coated with aluminum hydroxides may be significant as it is found in the creeks draining the quartz monzonite intrusion east of Dromedary Mountain and at Snowline Gold Corp`s Valley Deposit. Field examination in 2023 revealed a large landslide cut by an ephemeral creek with whitish silt sediment and no aluminum hydroxides coated boulders (**Picture 12**).

Examination of the landslide material located a float train of abundant semi-massive to massive sulfide float boulders within predominantly argillite float. Mineralization is pyrrhotite dominant and hosted by argillite that commonly has banded sulfide and a dark green matrix. Two float samples were collected to test mineralization. Sample Y6479051 of angular float returned 1.17 g/t Au and 91.9 ppm As and sample Y647952 contained 0.073 ppm Au and 441 ppm As. Gold is associated with iron +/- bismuth and Sr depletion. Two samples from outcropping silicified, quartz veined, argillite with iron oxides and minor pyrite and pyrrhotite returned 0.107 and 0.051 ppm Au and <78.3 ppm As. Two stream sediment samples from the same area returned 121 ppm and 142 ppm As.

A traverse to stake the ACTA 31-40 claims, while prospecting, linked the ORAK and ACTA claim groups.

An unsuccessful search was made for drill hole DDH81-09 on the ORAK claims.

North of the LM Showing, the rock is commonly hornfelsed (**Picture 13a**). Mineralization consists of randomly oriented pyrite veinlets. The veinlets show 0.5-1 cm wide beige coloured halo (bleaching) and chalcedony-like quartz suggesting hot fluid flooding (**Picture 13b**). Secondary calcite (late phase (?)) is occasionally observed. There is also a creek gully with 'white stained' (aluminum hydroxides coating) boulders in the area.

Previous Work

Mineralization at the LM Showing consists of disseminated pyrrhotite–pyrite, arsenopyrite, and chalcopyrite in argillite and banded calc-silicates cut by thin (<1 cm) quartz veins. Host rocks are locally brecciated with quartz filling and a narrow (<10 cm wide) fault/shear zone with boxwork iron oxides and vuggy quartz breccia with trace malachite and azurite (<0.5% overall) was noted in 2021. The description of mineralization and calc-silicate, quartzite, and siliceous argillite units logged in drill hole DDH81-07 is similar to the rocks found at the LM showing (Carlson, 1982).

In 2021 two rock samples W641899 and W425866 were collected about 65 m apart and 175 m southeast of drill hole DDH81-07 from poorly exposed outcrops on the west flank of a well-treed ridge spur (de Pasquale and Hulstein, 2022). Sample W641899 returned 0.224 g/t Au, 1.4 ppm Ag, >10,000 ppm As, and 45 ppm Sb from a rusty decomposed argillite–shale outcrop crosscut by quartz veinlets up to 1 cm wide and includes 40 cm of brecciated quartz–argillite with minor pyrite-pyrrhotite-arsenopyrite. Sample W425866 returned 0.356 g/t Au, 28.0 ppm Ag, 58 ppm As, and 4070 ppm Cu from a rusty-weathering argillite crosscut by a narrow (<10 cm) fault structure filled with vuggy quartz-iron oxide boxwork textured breccia with minor malachite and azurite. Trace pyrite and pyrrhotite in fresh grey argillite.

Follow-up in 2022 consisted of prospecting and collecting an additional five rock samples. An old hand cleared outcrop (approximately 2.0m long x 0.5m high) was located near a cut grid line and is likely the original LM Showing. It is a rusty brown weathering of dark grey silicified siltstone, locally brecciated and crosscut by discontinuous quartz veinlets, abundant rusty fractures, and iron oxide filling - replacements. It contains approximately 0.5% fine grained disseminated chalcopyrite, <1% pyrite and trace pyrrhotite in quartz veinlets, quartz flooding and disseminated in the siltstone. A grab sample (W425889) of this material returned; 0.450 g/t Au, 13.8 ppm Ag, 121 ppm As, <2 ppm Bi, 2190 ppm Cu, 9.67% Fe, 7 ppm Pb, <5 ppm Sb, <10 ppm W, 50 ppm Zn and <10 ppm Se.

Also in 2022, a rock grab sample (W425933) from a small 0.5 x 0.5 m outcrop returned: 2.67 g/t Au, 3.8 ppm Ag, >10,000 ppm As, 9 ppm Bi, 304 ppm Co, 128 ppm Cu, 16.6% Fe, 10 ppm Pb, 567 ppm Sb, <10 ppm W, 30 ppm Zn and 10 ppm Se. It consisted of rusty weathering siliceous dark green to black argillite with thin (cm scale) sulfide replacement beds(?) of pyrrhotite and arsenopyrite. The sulfidic argillite is also crosscut by quartz veins. Looking at the overall sample results the better mineralization seems to fall into two camps, a Cu rich and an Au – As - Sb rich variety. Both types seem to have low values for Bi, Pb, Zn, W and Se. As soils are poorly developed on the mostly siliceous rocks no soil samples have been collected from this area.

Other outcrops in the area consist of argillite, locally silicified, chert and calc-silicate. All units appear to be variably and weakly mineralized (<1-3%) with disseminated pyrite, pyrrhotite, and rarer arsenopyrite. These same sulfides are locally found in quartz segregations along foliation which is likely also bedding. Locally bleaching was noted adjacent to quartz filled fractures. The HLEM survey carried out by Anaconda identified east-west trending conductors in the area of the 2021 – 2022 rock sampling and one of these was most likely the target of drill hole DDH81-07.

11.2. Mizar Showing

The Mizar showing lies outside the hornfels zone and is currently thought to be replacement style mineralization. Most exploration of the area to date is limited to one outcrop on the top of the north bank of an incised steep creek gully. On the south side of the creek, opposite the mineralized outcrop, there is a small cliff of (about 5 m high x 50 m long). Rocks on the north side hosting the mineralization consist of limestone - marble, silicified limestone – marble, argillite and minor shale. The cliff outcrop on the south side consists of grey siliceous rocks, likely silicified limestone – marble and argillite.

Mineralization discovered and sampled in 2021 consisted of a pod like unit (approx. 25 cm x 30 cm x 50(?) cm) of iron oxide and 5% crystalline sphalerite, 0.5% fine-grained arsenopyrite and 1-3% unidentified grey sulfide is hosted by limestone/marble. A single grab sample (W425854) of the above oxide–sulfide–limestone returned 2490 ppm Ag, 0.51 g/t Au, 4460 ppm Bi, 342 ppm Cu, 5.92% lead, 1035 ppm Sb, 4.71% Zn, and 9900 ppm As (Hulstein and de Pasquale, 2022). In 2022, four additional rocks were collected in the area of this high-grade silver sample (Hulstein and de Pasquale, 2022b). In 2022, sample W425917 collected from an outcrop of grey medium gained weakly calcareous but highly siliceous siltstone containing fine disseminated pyrite and unidentified grey sulfides returned; 299 ppm Ag, 0.046 g/t Au, 473 ppm Bi, 4.4% Fe, 70 ppm Sb, 7220 ppm Pb, and 8970 ppm Zn.

One day was spent examining and sampling the Mizar Showing in 2023. A total of eight rock samples were collected in the immediate area (**Pictures 14 and 15**). The highest gold, silver and base metal values were returned from sample Y647972, a 60 cm x 60 cm x 60 cm angular float found approximately 40 m downslope of the original discovery outcrop (and sample W425854) that it resembles. It contained 0.126 ppm Au, 1160 ppm Ag, 1890 ppm Bi, 2.47% Pb, 418 ppm Sb and 2.12% Zn. The other seven samples from outcroppings of variably mineralized silicified limestone – marble, argillite and returned high values of 0.007 ppm Au, 38.1 ppm Ag, 58.2 ppm Bi, 838 ppm Pb, 700 ppm Se, 18.05 ppm Sb and 2270 ppm Zn (**Picture 16**). Despite a close examination of the Mizar Showing area, the exact orientation of the mineralized horizon remains uncertain although it appears to be stratabound. Mineralized sample widths are up to one metre. The nearest bedding measurement has a strike of 095^{o} and a dip of 70^{o} to the east and an outcrop of folded argillite <20 m to the east has a minor fold with a near horizontal fold axis of 110^{o} and near vertical dipping limbs. A fault plane cutting grey silicified limestone in the creek bed has an orientation of 228 ^{o}/ 80 ^{o}N.

The showing and gully are coincident with the location of an east-west trending HLEM conductor (Anomaly C of Carlson, 1981) identified by Anaconda. This HLEM conductor was traced 500 m to the east, to the area of the Copper Soil Anomaly described below.

The low Pb to Ag ratio of the Mizar mineralization is similar to that of the Keno Hill silver deposits and mineralization reported at the Lone Mountain occurrence (Hall, 1983).

In 2023, ten soil samples were collected at nominal 50 m spacing on the ridge spur approximately 375 m to the north (**Picture 17**). Analysis returned <0.01 ppm Au and <3.73 ppm Ag and low to background values for other elements of interest except for one sample (W425970) which returned; 7.25 ppm Ag, 127 ppm As, 0.33 Bi, 278 ppm Cu, 51.3 ppm Mo, 35.5 ppm Pb, 15.3 ppm Sb, 15.9 ppm Se and 739 ppm Zn (**Picture 18**).

11.3. Copper Soil Anomaly

The Copper Soil Anomaly adjoins the Main Showing and starts approximately 400 m north of it and extends to the Inform Silver Showing to the northeast and down the Mizar ridge spur (ridge north of the Mizar Showing) to the northwest. Most of the Copper Soil Anomaly is on a west facing and a north facing scree slope of iron oxide stained formerly sulfide bearing hornfelsed siltstone, minor replaced or altered limestone and quartzite. This area and the Main showing are within a 900 m x 400 m copper in soil anomaly (>100 ppm) reported by Carlson (1981) that has no record of being followed up on until 2020.

Replacement style mineralization is the dominant type found at the Main Showing and within the Copper Soil Anomaly. North of the Main Showing quartz veins become more important. The east – west trending ridge above the north facing slope has numerous zones of close spaced (up to 4 per m) thin, <1 – 2 cm, white to grey quartz veins. The south side of the Copper Soil Anomaly also shares with the Main Showing similar shallow easterly dipping white quartz veins varying in width from <1 cm to about a meter, with the thicker veins having coarse coxcomb texture.

In 2023, 16 rock samples and 8 soil samples were collected on the NW side of the Copper Soil Anomaly. The western side of the sampled area covers a ground magnetic anomaly identified by Anaconda. Work in 2023 failed to locate a cause for the magnetic anomaly. One rock grab sample (Y647984) of replacement style pyrrhotite – sphalerite dominant mineralization hosted in a skarny sandstone, returned a high of 1.22 g/t Au, 18.1 ppm Ag, 62. 5 ppm As, 1030 ppm Bi, 634 ppm Cu, 9.02 ppm Fe, 327 ppm Pb, 240 ppm Se and 2.73% Zn. Two other samples contained 0.101 ppm and 0.285 ppm Au. The other samples returned <0.01 ppm Au, three samples contained between 5 – 18.1 ppm Ag, four samples had 46.5 ppm – 240 ppm Se and four had between 1185 – 7300 ppm As. Both the mineralized veins and replacement style mineralization were found in widely separated outcrops.

The soil samples consisted mostly of talus fines on a contour line and extend over an approximate horizontal distance of 300 m. All samples contained between 120 ppm and 400 ppm Cu. One sample (W425962) contained 0.145 ppm Au, 28.1 ppm Bi, 157 ppm Pb and 1255 ppm Zn. Overall, both the rock and soil samples had scattered anomalous values for elements of interest. The soil line, rock sampling and prospecting needs to be continued to the east from where it left off in 2023.

Previous Work

A white coarse grained crystalline quartz vein on the east – west ridge sampled in 2021 (Sample W641880) returned 0.038 g/t Au, 213 ppm Ag, 98 ppm As, 59 ppm Bi, 2020 ppm Cu, 5580 ppm Pb, 382 ppm Sb and 1670 ppm Zn. An additional 17 rocks were collected in 2022, the highest gold value returned was 0.083 and the highest silver value was 7.5 ppm. Both types of mineralization; replacement and quartz vein type, returned anomalous values for other elements. One sample (number W425935) of a pyrrhotite rich replacement – skarn contained; 0.049 g/t Au, 7.5 ppm Ag, >10,000 ppm As, 2600 ppm Cu, 11.9% Fe, 31 ppm Bi, 595 ppm Cd, 1.52% Zn. Three other replacement – skarn type samples also contained weaker but anomalous values for most elements of interest including tungsten which ranged between 890 ppm to 1780 ppm. Several of the quartz veins and sheeted quartz veins were selectively sampled in 2022 with one sample (W425925) returning the highest gold value (0.083 g/t) from the area along with weakly anomalous values of 130 ppm As, 177 Bi and 21 ppm Sb. Other samples also returned anomalous pathfinder elements for As, Sb, Se (up to 50 ppm) and Bi

In 2022 a discontinuous soil line of 13 talus fines on the north facing slope within the Copper Soil Anomaly returned the highest gold value of 0.129 ppm in 2022 (sample M896045). Adjacent samples were also highly anomalous. This line extends approximately east – west for 450 m. These samples contained between; 0.009 to 0.029 ppm Au, 3 to 10 ppm Ag, 120 to 400 ppm Cu, 304 to 2190 ppm As, 6.2 to 160.5 ppm Bi, 4.2 to 13.69 ppm Se and up to 304 ppm Pb, 103.5 ppm Sb, 1160 Zn and 136 ppm W.

11.4. Main Showing

The Twopete Thrust cuts through the Main Showing. The upper plate, to the south, consists of calc-silicate and siltstone of the Rabbitkettle Formation (map unit CO$_R$) overlying the hornfelsed siltstone, quartzites and minor limestone beds of the Upper Earn Group (map unit DM$_E$ua) to the north (Figure 3).

The Main Showing is hosted almost entirely by Upper Earn Group rocks typified by a large area of hornfelsed gossanous talus with minor units of skarn and replacement type sulfide mineralization in formerly calcareous beds. The thickest mineralized replacement sulfide beds (<2 m true thickness) are found in the immediate footwall of the Twopete Thrust or within fault splays of the thrust. This mineralization consists of pyrrhotite dominated semi-massive sulfide bands often with a dark green matrix, likely of chlorite, diopside, and quartz with variable amounts of hornfelsed siltstone – quartzite.

The best exposed sulfide band is about 30 cm to <50 cm thick, stratabound, and strikes approximately 070^o over about 50 m and dips moderately to the south. It is very close to the trace of the Twopete Thrust which lies within a gully trending approximately east-west about 40 m from a parallel HLEM conductor (location discrepancy likely due to errors in location).

Given the collar location and length of drill holes DDH81-01 and DDH81-02, it is likely this mineralized fault zone was only partially tested as DDH81-02 does not go below the blast trench with 25+ m of

ferricrete located about 100 m northeast of the drill hole collars. Gold values reported by Anaconda for the drill holes are sparse with only 19 samples from DDH81-01 being analyzed for gold with a high value of 45 ppb reported (Carlson, 1982).

In 2023 a 1.2 m chip sample of semi massive banded pyrrhotite collected from the Main Zone approximately 35m north of drill hole collars DDH81-01 and DDH81-02, from an area that in previous years was covered by snow, contained 0.588 g/t Au, 206 ppm Bi, 1350 ppm Cu, 11.75% Fe, 770 ppm Se, 770 ppm W, and 1,110 ppm Zn.

Also in 2023, approximately 170 m south and upslope of drill hole collars DDH81-1 and DDH81-2 (and well within the upper plate of the Twopete Thrust), float of semi-massive sulfide; mostly banded pyrrhotite and minor chalcopyrite, sphalerite and arsenopyrite, in a talus slope of dominantly calc-silicate rock. Analysis of this rock (sample Y647978) returned 0.263 g/t Au, 187 ppm Bi, 1090 ppm Cu, 8.72 % Fe, 75.2 ppm Se, 450 ppm W and 2.31% Zn. The extensive calc-silicate alteration of the Rabbitkettle Formation, like the mineralization in the Upper Earn Group, is thought to be due to the unexposed underlying granitic intrusion. Siliciclastic rocks to the south of the thrust fault, in the hanging wall, are sparsely mineralized.

Previous Work

To the north of the Main Zone and overlapping with the Copper Soil Anomaly, are found white quartz veins varying in width from <1 cm to about a meter, with the thicker veins having a coarse coxcomb texture. These veins are rarely visibly mineralized although rock samples have returned some high silver values (up to 213 ppm Ag, sample W641880 in 2021).

Rock sampling in 2021 at the Main showing returned a high gold value of 3.31 g/t in 2021, plus 674 ppm Bi, 2730 ppm Cu, 32.3% Fe and 690 ppm W (sample W42586) from a weathered 25 cm thick bed of semi-massive to massive pyrite–quartz–diopside containing 1-3% fine disseminated chalcopyrite. This bed is hosted in an outcrop of bedded argillite. This skarn – replacement style of mineralization and the suite of anomalous elements is typical of mineralization in the area. In 2022 five rock samples were collected and a rock grab sample of similar material contained 0.361 g/t Au.

12. CONCLUSIONS and RECOMMENDATIONS

The 2023 field program built on the work carried out in 2019–2022 and confirmed anew that the area has potential to host significant gold, silver, and base metal mineralization. The model developed in 2019 was confirmed by the relocation of the Cretaceous quartz monzonite in 2020 which appears to be a reduced intrusion. There is a strong linkage between the aeromagnetic signature, the reduced intrusion, the Twopete Thrust Fault, and mineralization over a strike length of 18 km. Mineralization in the project area is typical of that found proximal and distal to reduced Cretaceous intrusions in the Selwyn Basin, our exploration model. A possible deposit analogue is Banyan Gold Corp.'s Aurmac deposit.

The 1981-1982 Anaconda data, particularly the geophysical HLEM and geochemical data, continues to be useful in identifying targets. The deposit model is of proximal to distal (outside the hornfels zone) gold bearing sulfide mineralization, commonly pyrrhotite dominant, hosted by calcareous siltstones of the Earn Group. Mineralization is associated with a mostly buried reduced granitoid with fluids utilizing the structural preparation provided by the Twopete Thrust Fault. Historically, minor amounts of SEDEX type mineralization have also been identified in diamond drill holes at the François Zone.

With the 2019 to 2023 results and with historical data, two main gold target types have been identified:

- Replacement - skarn type deposits hosting gold, silver, and to a lesser extent base metals as indicated by drill holes on the François Zone, Dromedary Creek and at the Main, BMS, Silver Creek, LM Showings and the new Mizar Showing found by prospecting in 2021.

- Vein or vein-fault hosted precious metal mineralization as found at the Inform Silver, Nagai Zone and possibly at the LM and Mizar Showings which have characteristics of both deposit types.

At the LM Showing, soil sampling in 2023 along the ridge delineated a 500-metre arsenic anomaly (5 samples >100 ppm As). Seven rock samples were collected along the same ridge in 2023 and the highest gold value returned was 0.219 g/t Au (sample Y647967) along with >10,000 ppm As.

North of the LM Showing, lithology consists of hornfelsed siliciclastic rocks. Mineralization consists of randomly oriented pyrite veinlets. The veinlets are 0.5-1.0 cm wide, with a beige coloured halo (bleaching) and consist of chalcedony - like quartz suggesting hot fluid flooding. Secondary calcite (late phase (?)) was occasionally observed.

Prospecting southeast of the LM Showing, an area thought to have a 'white stained' creek bed, was revealed to be a major landslide debris field with no white staining present. This area is also part of a large regional magnetic low and devoid of HLEM conductors implying a buried felsic intrusion. In the creek cutting the landslide a float sample of pyrrhotite-dominant semi-massive sulfide returned 1.17 g/t Au confirming the potential for a pyrrhotite-associated gold mineralizing system. The float sample was part of a float train of similar rocks and the size (up to 1m wide) and the abundance suggest a

local source. An outcrop of dark grey silicified argillite with iron oxide fracture coating and a narrow shear was sampled on the east side of the gully and returned 0.107 g/t Au (Y647953). This newly explored area deserves additional sampling and systematic prospecting upstream.

Work in 2023 at the Mizar Showing located a piece of well mineralized angular float that is thought to have come from the discovery outcrop located about 40 m up-slope. A sample from the float piece returned 0.126 ppm Au, 1160 ppm Ag, 1890 ppm Bi, 2.474% Pb, 418 ppm Sb and 2.12% Zn. The other seven samples from outcroppings of variably mineralized silicified limestone – marble, argillite and returned highs of 0.007 ppm Au, 38.1 ppm Ag, 58.2 ppm Bi, 838 ppm Pb, 700 ppm Se, 18.05 ppm Sb and 2270 ppm Zn. A fault plane cutting grey silicified limestone in the creek bed has an orientation of $228^{o}/80^{o}$N and likely offsets mineralization to the south. The area to the north of the Mizar Showing is overburden covered.

Ten soil samples were collected at 50 m spacing on the ridge approximately 375 m to the north. Analysis returned low values of < 0.01 ppm Au and < 3.73 ppm Ag except for sample W425970 which returned: 0.007 ppm Au, 7.25 ppm Ag, 127 ppm As, 51.3 ppm Mo, 15.35 ppm Sb, 735 ppm Zn.

Approximately 800 m east of the Mizar showing and north of the Main showing the Copper Soil Anomaly is defined by a coherent Cu, As, Pb and Zn, plus pathfinders, geochemical rock and soil anomaly that extends at least 400 m north-south across the west facing slope and at least across 400 m across the north facing slope.

Rock and soil sampling in 2023 on the north facing slope of the within the Copper Soil Anomaly extended the copper anomaly (120 ppm – 400 ppm Cu) over 300 metres. One rock grab sample (Y647984) of replacement style pyrrhotite – sphalerite dominant mineralization hosted in a skarny sandstone, contained 1.22 ppm Au, 18.20 ppm Ag, 62.50 ppm As, 1030 ppm Bi, 327 ppm Pb, 240 ppm Se, 1660 ppm W and 2.73% Zn. Two other samples contained 0.101 ppm and 0.285 ppm Au. The soil line, rock sampling and prospecting needs to be continued to the east from where it left off in 2023.

At the Main Zone the Twopete Thrust juxtaposes the Rabbitkettle Formation over Upper Earn Group rocks. A chip sample over 1.2 m of sulfide replacement style mineralization, from an outcrop very close to the presumed trace of the fault, returned 0.588 g/t Au, 206 ppm Bi, 1350 ppm Cu, 11.75& Fe, 770 ppm W, 770 ppm Se and 1110 ppm Zn. About 170 m upslope and to the south of drillholes DDH81-01 and DDH81-02 a float piece of sulfide replacement style mineralization was found in a talus slope of calc-silicate and hornfelsed siltstone. Analysis of this sulfide float yielded 0.263 g/t Au, 187 ppm Bi, 1090 ppm Cu, 8.72 % Fe, 75.2 ppm Se, 450 ppm W and 2.31% Zn.

Given that highly anomalous gold, silver, copper, lead and zinc has been identified in drill holes, surface showings and in soil and stream sediment samples further work is warranted and recommended on the Goldorak project. Within the scope of this report, which does not include all the mineralized showings or geochemical anomalies in the project area, the highest priority targets are the ones that returned the highest silver and gold grades to date. Namely the Mizar showing which returned 2490 ppm Ag from a rock grab sample of sulfides in limestone/marble, the LM showings where early-stage sampling has returned encouraging results and the Copper Soil Anomaly area where prospecting and geochemical sampling (rock and soils) continue to locate new mineralization and

anomalous areas.

The following recommended work consists mainly of field work requiring minimal logistics and expenses and should provide sufficient information to evaluate drilling targets. It includes additional claim staking and additional follow-up of anomalous results obtained from 2019 to 2023.

- Additional prospecting, geological mapping and geochemical sampling are recommended at the Mizar, Copper Soil Anomaly, and LM Showing and surrounding areas including follow up of 2022 - 2023 silt sampling. Follow up of sample W647951 (1.17 g/t Au) and traverse from sample location uphill along the creek is recommended.

- The west-facing slope Dromedary Mountain between the Main showing and François Grid, including the Copper soil anomaly and Mizar showing, should be prospected, and sampled as far as practicable given the vegetation and overburden at lower elevations. Numerous coherent soil geochemical anomalies for Cu, Pb, Ag and Zn reported by Anaconda from this area remain unexamined and require follow-up.

- Special attention, prospecting, mapping, and sampling, should be paid to the HLEM conductors where they are within or proximal to geochemically anomalous areas, keeping in mind that the pre-GPS 1980–1981 HLEM conductors may not be accurately located.

- Additional claims should be staked to cover the Copper Soil Anomaly and ideally to link the FRAN 1-4 claims with the ACTA - ORAK claim group.

Additional work recommendations below require a substantial budget and are intended as guidelines for a junior exploration company (and includes zones not covered in this report).

- Airborne magnetic and EM over the property to help define major fault structures.

- Ground geophysics including magnetics, Max Min and I.P. surveys should provide good data to delineate the extent of the Nagai and François Zones.

- Two Geoprobe or RAB drill holes (or diamond drilling) each to test mineralization at the Nagai and François Zones (with the drill holes testing the Twopete Thrust at the François Zone). Following the above work recommendations, other zones may also require drill testing.

13. BUDGET

The table below (**Table 3**) details the 2023 project expenditures. Compared to the proposed budget costs incurred are approximately in line with what was anticipated when the slightly shorter program, is taken into account. Geochemical costs are higher than anticipated for rock samples and the helicopter cost per hour was greater than estimated.

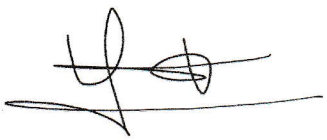
Table 3. 2023 Goldorak Project Expenditures, YMEP 23-034.

Phase 1: Fieldwork July 14 - July 19, 2023					
Category	**Person/Company**	**Activity**	**Units**	**Rate**	**Total**
Prep/Unpack	CL & JDP, 2.0 day each	Pack/Unpack	2	$800	$1,600.00
Mob/DeMob	J. de Pasquale & C. Légaré (July 14)	Drive/fly/setup camp	1	$800	$800.00
	J. de Pasquale & C. Légaré (July 19)	Prospect/tear down/fly/drive	1	$800	$800.00
Labour	J. de Pasquale (July 15 - 18)	Prospecting/ sampling/staking	4	$500	$2,000.00
	C. Légaré (July 15 - 18)	Prospecting/ sampling/staking	4	$300	$1,200.00
Field Costs	$100 per worker-day	6 days in field x 2	12	$100	$1,200.00
Trucks	Whitehorse to Mayo rtn	$.60 per km	810	$0.60	$486.00
Helicopter	105 km one way from Mayo (Bell Long Ranger)	Fireweed Invoice 6304	2.9	$2,420	$7,018.73
Assays	ALS Invoice 6532980	soils	18	$51	$965.45
	ALS Invoice 6532973	rocks	17	$104	$1,856.46
		Subtotal			**$17,926.64**

Phase 2: Fieldwork Aug. 13 - Aug 17, 2023					
Category	**Person/Company**	**Activity**	**Units**	**Rate**	**Total**
Prep/Unpack	RH & JDP, 2.0 day each	Pack/Unpack	2	$1,000	$2,000.00
Mob/DeMob	J. de Pasquale & R. Hulstein (Aug. 13)	Drive/fly/setup camp	1	$1,000	$1,000.00
	J. de Pasquale & R. Hulstein (Aug. 17)	Prospect/tear down/fly/drive	1	$1,000	$1,000.00
Labour	J. de Pasquale (Aug. 14 - 16)	Prospecting/ sampling	4	$500	$2,000.00
	R. Hulstein (Aug. 14 - 16)	Prospecting/ sampling	4	$300	$1,200.00
Field Costs	$100 per worker-day	5 days in field x 2	10	$100	$1,000.00
Trucks	Whitehorse to Robert Campbell HWY rtn	$.60 per km	440	$0.60	$264.00
Helicopter	98 km one way from Staging (A-Star)	Horizon Helicopter Inv. 5433905	2.6	$2,439	$6,340.15
Assays	ALS Invoice 6577389	soils	20	$52	$1,042.88
	ALS Invoice 6578815	rocks	31	$112	$3,465.85
		Subtotal			**19,312.88**

TOTAL Expenditures, Goldorak Project 23-034					
Category	**Person/Company**	**Activity**	**Units**	**Rate**	**Total**
Phase 1	J. de Pasquale & C. Légaré	Fieldwork			17,926.64
Phase 2	J. de Pasquale, R. Hulstein	Fieldwork			19,312.88
Report	J. de Pasquale, R. Hulstein	Report writing, maps	4	$500	$2,000.00
		TOTAL			**$39,239.52**

Respectfully submitted,



Jérôme de Pasquale
November 10, 2023

Roger Hulstein

14. REFERENCES

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STATEMENT of QUALIFICATIONS (Roger Hulstein)

I, Roger W. Hulstein, of:

106 Wilson Drive

Whitehorse, Yukon Territory

Y1A 0C9,

do hereby certify that:

1. I am an independent, self-employed, mineral exploration geologist with over 30 years of experience working in the Yukon.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

3. I am a fellow of the Geological Association of Canada (F3572).

4. I am the author of this application report on the Goldorak Project in the Whitehorse Mining District, Yukon.

5. The report is based on personal examination of selected areas within the project area in 1993, 1994, 2020–2023 and on referenced sources.

Roger Hulstein, B.Sc. **November 10, 2023**

STATEMENT of QUALIFICATIONS (Jérôme de Pasquale)

I, Jérôme de Pasquale, of:

Box 21201

Whitehorse, Yukon Territory

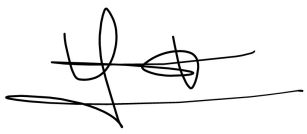
Y1A 6R8,

do hereby certify that:

1. I am an independent, self-employed or employed geologist with over 13 years of experience working in Canada. I worked full-time during the 2023 summer season, and I am currently working for Snowline Gold Corp.

2. I graduated from Université d'Orléans-La-Source with a Maîtrise des Sciences de la Terre Option Géologie and I have been involved in geology and mineral exploration continuously since 2011.

3. I am the co-author of this report as well as of the 2019, 2020, 2021, 2022, and 2023 reports on the Goldorak Project in the Whitehorse Mining District, Yukon.



Jérôme de Pasquale **November 10, 2023**

APPENDIX A

Analytical 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: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 13-AUG-2023
This copy reported on
15-AUG-2023
Account: HULGEO

CERTIFICATE WH23204417

Project: Goldorak

This report is for 17 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 24-JUL-2023.

The following have access to data associated with this certificate:

JEROME DE PASQUALE	ROGER HULSTEIN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
OA-HSUL10	Handling of High Sulphide Samples
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
ME-MS61L	Super Trace Lowest DL 4A by ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 13-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204417

Sample Description	Method	WEI-21	Au-ICP21	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.002	0.01	0.02	1	0.02	0.002	0.01	0.005	0.01	0.005	0.3	0.01	0.02
Y647951		0.87	1.170	1.605	1.34	91.9	53	0.61	5.43	2.46	0.360	21.2	20.5	13.1	1.91	295
Y647952		0.74	0.073	1.920	4.19	441	77	0.56	1.135	6.18	1.235	33.6	13.40	33.4	13.00	36.8
Y647953		1.29	0.107	1.665	4.88	52.6	730	0.71	6.27	6.38	0.107	52.4	5.63	51.8	4.41	295
Y647954		0.97	0.051	0.879	6.63	78.3	1690	1.24	1.095	2.20	0.072	119.0	5.68	65.8	12.95	177.5
Y647955		1.61	0.076	0.979	4.28	258	223	0.26	2.21	7.05	0.043	30.3	15.80	29.7	7.75	92.9
Y647956		1.35	0.002	0.810	3.62	11.75	2040	1.08	0.364	4.22	5.27	36.5	10.00	78.9	6.02	98.9
Y647957		0.76	0.003	0.978	5.80	4.43	200	1.51	0.427	1.19	0.358	50.4	19.75	68.5	16.35	112.5
Y647958		1.25	<0.001	0.598	6.26	9.37	2100	1.60	0.366	0.76	2.29	52.0	18.60	60.9	12.90	138.5
Y647959		1.77	0.001	0.304	4.20	34.0	950	1.78	0.309	7.98	6.30	55.8	7.94	122.0	3.39	194.5
Y647960		1.83	0.004	0.213	2.42	128.5	1550	0.91	5.29	2.77	1.975	27.4	4.72	83.4	3.76	54.0
Y647961		2.01	<0.001	0.465	5.66	21.5	2940	1.55	0.315	2.08	1.040	32.0	9.06	37.6	8.28	85.1
Y647962		1.80	<0.001	0.510	7.13	11.15	800	1.64	0.419	6.24	0.032	60.8	12.25	68.4	8.67	20.8
Y647963		1.61	0.001	0.284	8.11	22.6	4940	2.10	0.332	6.99	0.007	79.4	16.25	83.8	9.97	23.1
Y647964		1.63	<0.001	0.434	7.74	11.35	1150	1.93	0.198	5.06	0.007	67.0	7.81	74.4	13.45	30.1
Y647965		1.20	<0.001	0.050	7.55	3.54	1310	1.78	0.011	2.37	0.550	71.7	10.25	18.0	5.30	9.15
Y647966		1.86	0.001	0.090	7.51	19.50	880	2.38	0.061	9.96	0.030	73.3	12.10	67.9	7.11	26.6
Y647967		0.73	0.219	5.57	1.04	>10000	89	0.12	2.59	0.13	0.014	33.7	7.25	15.3	3.48	206

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

ALS Canada Ltd.
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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 13-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204417

Sample Description	Method	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.002	0.05	0.05	0.004	0.005	0.01	0.005	0.2	0.01	0.2	0.02	0.001	0.005	0.08	0.001
Y647951		21.8	5.46	0.20	0.180	0.312	0.30	9.27	6.3	0.66	2820	3.87	0.078	1.750	31.7	0.007
Y647952		23.4	14.15	0.25	1.050	0.286	2.17	14.35	33.4	1.54	5630	7.81	0.123	8.18	35.8	0.027
Y647953		13.95	21.6	0.17	1.310	0.176	1.65	31.0	44.3	3.19	2550	2.50	0.313	9.02	9.51	0.030
Y647954		6.23	22.2	0.21	1.530	0.079	3.91	62.5	42.0	0.84	733	1.27	0.286	12.15	11.60	0.035
Y647955		16.55	15.90	0.17	0.802	0.352	1.21	14.35	46.6	1.45	4020	0.25	0.107	5.93	12.30	0.021
Y647956		1.790	10.70	0.14	1.815	0.052	1.75	21.9	20.5	1.41	279	4.54	0.255	7.84	80.7	0.133
Y647957		3.37	17.05	0.18	2.32	0.008	1.96	20.9	75.0	1.20	554	2.30	1.215	5.98	46.3	0.127
Y647958		2.92	18.20	0.18	2.58	0.013	2.22	23.5	72.3	1.04	180.0	4.04	1.170	5.81	30.0	0.046
Y647959		2.51	15.75	0.20	2.64	0.132	0.84	41.5	44.0	2.52	770	381	0.365	9.99	152.0	0.141
Y647960		1.630	8.11	0.11	1.245	0.247	0.96	15.10	44.2	1.35	424	8.31	0.172	5.93	36.4	0.032
Y647961		2.18	14.45	0.14	2.78	0.050	2.10	16.70	57.6	0.67	160.0	38.7	1.075	5.12	57.7	0.080
Y647962		3.37	20.6	0.13	1.860	0.041	1.53	36.0	37.5	2.15	697	0.55	0.373	12.60	25.6	0.025
Y647963		4.08	24.0	0.17	1.975	0.065	3.80	46.2	33.4	2.05	570	0.48	0.723	15.10	29.6	0.051
Y647964		2.83	23.1	0.13	1.930	0.044	2.01	38.1	66.5	2.05	475	0.42	0.721	14.05	14.35	0.040
Y647965		3.88	18.55	0.14	2.07	0.056	2.61	35.5	40.6	0.89	665	0.75	1.690	11.95	6.68	0.056
Y647966		5.17	20.0	0.15	2.11	0.078	2.53	41.0	34.6	1.67	1365	0.45	0.362	15.15	26.6	0.035
Y647967		13.50	4.74	0.16	0.349	0.075	0.38	16.20	29.5	0.69	696	0.49	0.033	2.48	3.23	0.009

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

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 13-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204417

Sample Description	Method	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.02	0.0004	0.01	0.02	0.01	0.006	0.02	0.02	0.01	0.005	0.004	0.001	0.002	0.01
Y647951		4.97	14.20	0.0291	>10.0	1.70	3.32	2.71	10.10	4.98	0.10	0.232	1.460	0.036	0.457	0.64
Y647952		10.05	162.5	0.0210	>10.0	3.84	9.69	3.13	7.32	70.7	0.52	0.333	5.83	0.164	2.32	1.80
Y647953		7.58	90.0	0.0007	0.85	3.23	9.83	2.43	8.44	114.0	0.61	0.206	9.28	0.246	0.606	1.36
Y647954		6.79	177.5	0.0016	0.74	1.60	10.75	1.590	4.40	155.5	0.82	0.044	11.35	0.320	1.435	1.78
Y647955		2.80	73.8	0.0005	2.37	6.43	12.70	1.435	5.27	105.0	0.40	0.252	5.51	0.157	0.789	0.68
Y647956		5.85	70.9	0.0152	0.08	1.30	10.55	6.50	4.98	178.0	0.55	0.054	5.42	0.211	0.691	3.88
Y647957		7.61	99.5	0.0085	2.08	2.84	19.75	17.10	1.12	185.0	0.38	0.087	5.35	0.241	2.61	3.10
Y647958		6.71	120.5	0.0102	0.73	1.02	19.80	24.4	1.82	210	0.38	0.063	5.84	0.253	3.16	3.09
Y647959		3.95	32.8	0.379	0.46	2.02	13.95	17.55	4.84	244	0.68	0.061	6.87	0.310	0.211	22.1
Y647960		2.88	50.9	0.0166	0.08	0.86	9.53	2.43	8.37	102.5	0.41	0.109	4.08	0.190	0.364	2.10
Y647961		11.75	104.5	0.0525	0.54	0.75	12.30	10.65	3.52	245	0.40	0.057	5.08	0.198	1.350	6.43
Y647962		6.69	87.0	0.0011	1.47	2.14	11.35	3.42	9.04	238	0.84	0.102	10.75	0.321	1.030	1.48
Y647963		13.50	130.0	0.0009	0.84	2.40	14.70	0.622	10.35	276	1.05	0.053	11.65	0.370	1.475	1.98
Y647964		6.42	84.5	<0.0004	0.47	2.44	12.85	0.507	6.42	263	1.00	0.069	11.45	0.371	1.260	1.66
Y647965		20.1	122.0	<0.0004	0.01	0.44	17.80	0.037	2.31	186.5	0.97	<0.005	14.60	0.380	0.641	3.40
Y647966		4.29	115.5	<0.0004	0.14	10.20	12.30	0.108	4.29	383	1.01	0.038	11.80	0.346	0.574	1.71
Y647967		5.53	22.8	<0.0004	9.26	45.0	5.67	4.75	2.84	8.02	0.15	0.731	2.21	0.059	0.530	0.30

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 13-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204417

Sample Description	Method Analyte Units LOD	ME-MS61L V ppm 0.1	ME-MS61L W ppm 0.008	ME-MS61L Y ppm 0.01	ME-MS61L Zn ppm 0.2	ME-MS61L Zr ppm 0.1
Y647951		11.0	0.238	19.05	98.5	6.2
Y647952		39.2	0.671	44.1	81.9	39.5
Y647953		54.2	1.280	16.45	128.0	46.3
Y647954		57.1	1.315	32.2	76.6	57.1
Y647955		32.5	2.15	20.8	79.1	24.7
Y647956		139.5	1.120	35.6	565	70.1
Y647957		209	1.710	24.1	57.0	89.7
Y647958		206	1.470	11.45	314	96.3
Y647959		755	7.34	56.1	278	103.5
Y647960		108.0	4.63	18.60	129.0	43.8
Y647961		271	1.085	19.60	198.5	86.9
Y647962		51.8	1.575	13.80	37.7	67.1
Y647963		65.3	1.395	18.35	64.5	64.9
Y647964		62.8	1.390	14.85	43.6	66.9
Y647965		76.9	1.045	24.9	77.6	56.9
Y647966		62.4	1.380	19.55	44.2	74.9
Y647967		11.6	0.759	13.40	19.2	12.4

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 13-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204417

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:			
CRU-31	CRU-QC	LOG-21	OA-HSUL10
PUL-32	PUL-QC	SPL-21	WEI-21

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

Applies to Method:	
Au-ICP21	ME-MS61L

ALS Canada Ltd.
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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 22-SEP-2023
This copy reported on
25-SEP-2023
Account: HULGEO

CERTIFICATE WH23236784

Project: Goldorak

This report is for 31 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2023.

The following have access to data associated with this certificate:

JEROME DE PASQUALE	ROGER HULSTEIN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
OA-HSUL10	Handling of High Sulphide Samples
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
ME-MS61L	Super Trace Lowest DL 4A by ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	
Zn-OG62	Ore Grade Zn - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 22-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236784

Sample Description	Method	WEI-21	Au-ICP21	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.002	0.01	0.02	1	0.02	0.002	0.01	0.005	0.01	0.005	0.3	0.01	0.02
M895654		1.30	0.003	5.61	2.93	7300	63	1.31	5.30	5.58	95.4	26.5	21.1	63.7	3.71	1235
M895655		1.19	0.004	1.880	4.82	29.0	960	1.57	0.647	5.38	3.67	39.6	7.51	134.5	3.97	117.0
M895656		1.34	0.005	18.35	3.74	83.4	470	1.28	38.2	7.18	31.3	61.2	7.74	147.0	5.61	117.0
M895657		1.46	0.007	38.1	3.91	28.1	500	1.42	58.2	5.93	13.30	114.5	10.05	173.0	5.09	193.5
M895658		0.84	0.004	6.47	2.49	50.2	35	0.88	5.30	2.64	54.2	54.2	31.9	95.0	3.29	587
M895659		1.37	<0.001	0.549	5.66	249	2110	1.38	0.516	0.18	0.538	37.1	9.69	60.3	11.65	125.5
M895660		0.80	0.003	0.941	3.75	374	920	0.96	1.295	5.50	0.317	46.8	6.42	72.1	4.51	54.7
M895661		1.06	0.285	6.17	3.36	21.0	41	1.14	83.1	6.53	305	64.2	7.48	101.0	5.29	514
M895662		1.84	0.002	1.010	3.95	19.30	570	1.28	0.286	6.46	0.628	40.7	11.75	89.5	5.76	135.5
M895663		2.44	<0.001	1.165	3.42	23.4	1210	0.97	0.159	6.45	0.610	46.8	9.59	63.3	5.32	116.5
M895664		1.32	0.002	2.66	3.36	42.1	430	0.94	1.225	8.99	0.595	44.4	6.46	44.6	11.75	296
M895665		1.70	0.008	1.840	4.10	632	620	1.14	8.53	5.31	1.880	44.0	3.44	63.2	7.09	46.2
Y647968		1.52	0.001	1.210	4.41	18.55	2220	1.05	0.400	8.25	4.42	57.4	6.42	68.4	5.57	100.5
Y647969		1.35	<0.001	1.090	4.30	1185	820	1.45	1.635	7.48	12.65	43.8	6.22	73.9	3.91	145.0
Y647970		1.50	<0.001	2.49	1.90	321	520	1.05	2.78	10.90	0.342	6.98	4.56	35.9	3.58	234
Y647971		1.05	0.004	2.47	4.33	343	2200	1.33	0.139	1.71	4.11	35.2	9.68	72.7	8.19	70.9
Y647972		1.52	0.126	>100	3.53	1295	240	0.93	1890	4.67	248	85.6	12.25	108.0	3.35	207
Y647973		0.99	0.002	1.080	7.46	67.8	2020	1.25	1.345	0.53	1.375	52.2	16.05	39.1	30.4	63.6
Y647974		1.53	0.004	4.01	5.41	8.15	620	3.29	3.12	6.11	1.190	56.7	8.59	368	7.98	158.0
Y647975		0.93	0.005	1.580	4.74	28.1	1670	1.69	0.305	1.29	1.150	36.3	7.27	56.4	18.40	66.2
Y647976		1.59	<0.001	1.020	3.65	297	1450	1.18	0.444	4.55	0.118	25.7	6.76	117.5	9.89	155.0
Y647977		1.76	0.008	0.244	4.91	29.8	1070	1.34	8.25	3.98	1.875	74.9	3.46	89.6	7.40	56.9
Y647978		0.89	0.263	2.42	6.62	2.03	240	1.91	187.0	5.35	320	68.3	22.9	63.2	3.53	1090
Y647979		2.04	0.588	2.43	4.08	10.25	105	1.43	206	4.81	34.9	48.5	22.9	64.3	5.63	1350
Y647980		1.29	0.101	1.835	2.08	2020	35	27.0	170.5	12.50	26.9	14.40	7.85	66.4	0.92	593
Y647981		1.34	0.003	1.570	4.06	63.4	1440	0.81	1.170	3.62	0.338	39.5	3.96	72.2	11.00	158.5
Y647982		1.08	0.002	1.735	5.23	91.6	2050	0.93	0.842	4.24	0.603	99.2	7.28	76.1	13.55	314
Y647983		1.26	0.001	0.740	4.73	6.76	1810	1.49	0.699	5.74	0.079	37.8	7.17	101.0	5.98	69.5
Y647984		1.30	1.220	18.20	2.80	62.5	55	1.09	1030	7.19	586	34.0	8.01	85.9	3.16	634
Y647985		1.14	0.005	2.47	1.75	63.3	60	0.51	3.81	7.21	1.495	7.34	14.00	30.6	2.65	632
Y647986		1.95	0.002	0.662	2.83	3230	73	5.88	2.69	12.70	430	29.7	6.41	34.3	45.2	254

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

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 22-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236784

Sample Description	Method	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.002	0.05	0.05	0.004	0.005	0.01	0.005	0.2	0.01	0.2	0.02	0.001	0.005	0.08	0.001
M895654		10.45	14.15	0.52	1.420	3.53	0.16	21.5	61.1	2.65	1670	5.42	0.283	6.78	39.1	0.058
M895655		2.65	21.1	0.20	2.93	0.097	1.03	24.2	33.1	3.03	947	16.90	0.361	10.60	61.1	0.157
M895656		3.53	12.30	0.25	1.890	0.440	1.65	45.3	32.7	2.79	1055	63.2	0.357	10.10	99.9	0.131
M895657		4.63	14.95	0.35	2.08	0.233	1.51	95.3	58.4	3.15	1040	102.0	0.278	9.58	63.7	0.266
M895658		13.75	10.40	0.47	1.175	1.210	0.54	43.2	63.2	2.55	965	24.1	0.132	6.26	180.5	0.061
M895659		3.14	13.45	0.15	2.42	<0.005	2.51	17.70	76.7	0.84	124.0	15.45	1.150	4.72	34.7	0.038
M895660		2.15	10.30	0.17	1.415	0.020	2.22	21.5	16.0	3.08	634	0.85	0.209	9.37	30.2	0.080
M895661		5.31	13.40	0.35	1.430	2.04	0.05	46.2	16.9	1.94	699	11.30	0.238	6.79	44.9	0.329
M895662		3.37	10.45	0.18	2.04	0.019	2.51	26.4	42.7	3.33	456	9.10	0.292	9.22	61.7	0.071
M895663		3.27	12.60	0.17	1.625	<0.005	1.90	27.2	52.4	3.87	764	9.19	0.184	8.36	40.8	0.098
M895664		7.41	12.15	0.38	1.300	0.021	1.10	21.9	46.2	5.11	1225	1.62	0.107	9.74	21.7	0.055
M895665		1.930	9.97	0.09	1.225	0.083	1.06	22.4	45.4	3.07	682	0.61	0.152	7.93	17.70	0.039
Y647968		2.10	11.85	0.16	1.980	0.109	2.90	35.2	20.7	2.18	419	1.81	0.327	10.40	37.4	0.131
Y647969		2.22	15.25	0.15	1.755	0.191	1.16	28.0	62.8	2.54	631	1.95	0.324	9.29	47.9	0.132
Y647970		3.13	7.50	0.15	0.831	0.023	1.02	2.69	38.5	6.50	735	1.33	0.088	4.55	6.06	0.035
Y647971		1.810	12.15	0.14	2.15	0.083	1.86	17.35	58.3	1.39	280	2.41	0.427	7.26	30.2	0.045
Y647972		6.01	11.90	1.53	1.690	5.26	1.04	72.7	65.6	2.43	1550	131.5	0.232	8.15	61.4	0.102
Y647973		3.30	17.95	0.11	1.580	0.074	3.64	19.20	100.5	1.35	1795	1.82	0.237	8.53	31.5	0.117
Y647974		3.72	24.4	0.22	4.08	0.025	2.98	42.3	22.6	3.54	973	7.57	0.391	11.55	57.6	0.296
Y647975		3.92	12.30	0.15	1.760	0.021	2.82	18.00	38.8	0.56	265	17.00	0.103	7.36	31.6	0.041
Y647976		2.53	10.55	0.14	2.34	0.013	2.00	12.95	34.0	2.54	484	12.60	0.278	8.36	55.2	0.082
Y647977		1.280	10.95	0.15	2.06	0.016	1.68	39.3	36.6	1.65	300	2.48	0.172	10.05	46.6	0.178
Y647978		8.72	20.9	0.32	1.515	5.66	1.54	37.4	29.3	0.86	698	0.55	0.514	11.70	36.7	0.037
Y647979		11.75	12.00	0.52	1.640	2.21	0.03	26.4	18.8	0.50	962	2.52	0.061	9.72	32.6	0.044
Y647980		13.05	13.10	0.17	0.705	3.14	0.02	11.70	34.3	1.53	9140	19.55	0.038	4.07	39.9	0.097
Y647981		3.25	10.90	0.15	1.790	0.013	3.94	19.40	41.2	2.05	402	113.5	0.190	9.54	61.1	0.073
Y647982		4.04	15.45	0.21	2.55	0.011	4.23	63.0	40.5	2.22	437	120.0	0.247	12.50	57.4	0.086
Y647983		1.650	12.90	0.13	2.49	0.047	3.82	19.20	33.4	2.75	434	13.60	0.386	10.90	68.3	0.098
Y647984		9.03	13.70	0.71	1.390	5.81	0.38	17.85	25.3	2.68	2920	16.20	0.080	6.61	57.4	0.267
Y647985		8.05	7.23	0.28	0.692	0.033	1.36	2.90	38.5	4.26	787	7.83	0.092	3.30	53.2	0.059
Y647986		6.75	12.05	0.19	0.768	8.84	0.58	19.60	168.5	3.75	3990	3.16	0.194	4.18	24.3	0.093

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

ALS Canada Ltd.
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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 22-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236784

Sample Description	Method	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.02	0.0004	0.01	0.02	0.01	0.006	0.02	0.02	0.01	0.005	0.004	0.001	0.002	0.01
M895654		87.1	15.30	0.0090	5.57	6.28	13.65	133.0	54.8	122.0	0.43	0.592	5.07	0.222	0.212	3.35
M895655		15.95	46.4	0.1315	1.12	11.40	21.4	22.3	8.41	231	0.67	0.113	7.03	0.332	0.784	10.15
M895656		660	81.1	0.0622	1.65	130.0	9.33	39.4	13.95	190.5	0.66	1.010	7.02	0.324	0.965	5.84
M895657		838	74.6	0.0743	2.07	18.05	13.40	50.5	19.00	156.5	0.63	2.22	7.25	0.313	0.954	9.03
M895658		74.6	38.7	0.0346	9.58	11.75	8.68	110.5	20.1	72.5	0.40	0.299	4.35	0.201	0.585	2.87
M895659		13.40	140.5	0.0306	0.70	3.32	14.60	15.45	13.40	137.0	0.27	0.057	5.06	0.194	1.435	4.21
M895660		7.57	98.0	0.0052	0.84	2.65	7.68	13.20	5.17	172.5	0.62	0.208	6.70	0.293	0.957	2.12
M895661		41.7	2.47	0.0388	3.40	2.33	7.63	76.7	10.05	186.5	0.44	13.35	5.05	0.214	0.027	7.68
M895662		8.50	113.0	0.0117	1.50	3.19	13.90	21.8	6.39	321	0.60	0.069	6.71	0.291	1.140	3.47
M895663		7.93	87.1	0.0179	0.95	4.47	11.90	21.6	6.44	210	0.53	0.088	5.84	0.259	0.914	2.35
M895664		30.6	53.6	0.0042	2.85	8.77	7.40	100.5	12.80	115.0	0.63	0.095	6.07	0.298	0.533	1.57
M895665		41.9	58.0	0.0011	0.09	1.68	5.89	2.68	33.5	139.5	0.51	0.223	7.35	0.252	0.374	1.63
Y647968		7.23	111.5	0.0099	0.74	2.78	8.75	12.50	12.65	334	0.68	0.058	7.04	0.329	0.994	2.92
Y647969		24.7	54.1	0.0113	0.59	2.87	9.97	12.90	23.5	256	0.59	0.065	6.42	0.283	0.456	3.02
Y647970		77.5	44.7	0.0063	0.16	1.40	5.84	27.6	26.3	60.3	0.30	0.068	3.17	0.151	0.387	1.34
Y647971		9.21	83.3	0.0037	0.61	6.40	13.50	18.35	2.72	229	0.44	0.087	5.43	0.253	2.09	2.05
Y647972		>10000	61.6	0.0770	4.36	418	7.94	700	93.3	151.0	0.55	59.1	5.75	0.278	2.91	9.58
Y647973		21.6	214	0.0055	1.14	5.71	17.50	2.60	2.75	52.5	0.48	0.178	5.90	0.348	3.79	1.17
Y647974		55.5	141.0	0.0271	1.88	11.30	30.7	28.1	8.89	287	0.76	0.218	8.58	0.381	1.450	11.70
Y647975		17.40	148.0	0.0033	0.24	17.35	13.65	24.0	4.84	196.0	0.47	0.074	5.67	0.260	2.43	5.15
Y647976		9.87	86.7	0.0714	0.58	2.08	13.80	23.1	9.09	177.5	0.53	0.058	5.79	0.272	0.714	4.73
Y647977		9.01	86.9	0.0083	0.15	2.60	5.95	2.39	8.21	248	0.65	0.253	10.70	0.258	0.634	3.56
Y647978		9.14	59.8	0.0088	5.32	3.66	11.00	75.3	14.65	299	0.81	2.92	12.30	0.315	0.432	1.63
Y647979		3.85	2.18	0.0151	6.32	1.10	6.44	162.0	12.20	129.0	0.61	8.26	7.17	0.233	0.019	3.44
Y647980		4.60	1.30	0.0498	1.45	33.7	5.52	29.0	211	61.5	0.28	1.600	2.76	0.138	0.019	4.75
Y647981		34.5	194.0	0.0507	0.58	8.93	6.91	19.35	11.00	143.0	0.65	0.072	4.90	0.309	1.495	4.51
Y647982		27.0	222	0.0743	0.62	4.33	9.82	28.6	15.55	197.5	0.82	0.058	8.39	0.396	1.900	5.12
Y647983		9.18	159.5	0.0646	0.55	3.14	13.05	12.85	13.70	254	0.68	0.064	6.91	0.325	1.425	5.28
Y647984		327	14.95	0.0524	5.46	9.94	7.09	240	16.65	167.0	0.46	79.4	4.89	0.219	0.182	5.25
Y647985		14.95	57.3	0.0088	3.58	2.61	3.53	83.8	8.10	74.2	0.23	0.281	1.980	0.106	0.590	1.34
Y647986		11.85	113.0	0.0106	2.02	4.69	5.09	46.5	90.8	201	0.27	0.223	2.89	0.121	0.990	3.78

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

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 22-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236784

Sample Description	Method Analyte Units LOD	ME-MS61L V ppm 0.1	ME-MS61L W ppm 0.008	ME-MS61L Y ppm 0.01	ME-MS61L Zn ppm 0.2	ME-MS61L Zr ppm 0.1	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
M895654		121.0	79.6	33.1	3490	57.8			
M895655		382	1.070	48.1	368	128.5			
M895656		506	2.58	37.3	2270	72.6			
M895657		434	6.03	45.6	1195	88.5			
M895658		177.0	1.870	25.7	4570	49.4			
M895659		204	0.987	10.10	77.5	101.5			
M895660		55.0	0.788	27.9	44.0	52.4			
M895661		145.5	300	44.3	>10000	62.7			1.725
M895662		135.5	2.26	33.3	47.0	79.7			
M895663		109.0	1.835	33.5	48.3	64.2			
M895664		53.6	1.330	30.7	62.0	46.3			
M895665		35.0	1.455	18.00	166.5	39.4			
Y647968		79.7	1.200	36.1	275	77.0			
Y647969		120.0	10.00	29.2	556	68.9			
Y647970		53.7	0.509	16.50	66.4	33.5			
Y647971		116.5	0.942	20.4	239	79.2			
Y647972		470	6.67	34.1	>10000	65.8	1160	2.74	2.12
Y647973		102.5	1.365	17.85	120.5	61.9			
Y647974		238	0.944	53.7	116.0	171.5			
Y647975		136.5	1.635	15.20	235	66.9			
Y647976		166.0	1.505	28.1	25.9	94.0			
Y647977		267	33.3	26.4	142.0	80.2			
Y647978		66.5	450	15.85	>10000	53.5			2.31
Y647979		233	770	21.2	1110	60.8			
Y647980		255	2860	27.2	1015	23.9			
Y647981		542	9.51	28.0	33.1	72.5			
Y647982		464	15.00	33.9	37.5	105.5			
Y647983		159.0	650	38.2	34.2	99.0			
Y647984		331	1660	35.4	>10000	59.9			2.73
Y647985		71.3	5.48	12.55	108.5	28.8			
Y647986		395	8.07	21.8	>10000	29.2			1.395

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

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 22-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236784

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	OA-HSUL10
	PUL-32	PUL-QC	SPL-21	WEI-21

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

Applies to Method:				
	Ag-OG62	Au-ICP21	ME-MS61L	ME-OG62
	Pb-OG62	Zn-OG62		

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 8-AUG-2023
Account: HULGEO

CERTIFICATE WH23204420

Project: Goldorak

This report is for 18 samples of Soil submitted to our lab in Whitehorse, YT, Canada on 24-JUL-2023.

The following have access to data associated with this certificate:

JEROME DE PASQUALE	ROGER HULSTEIN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-TL44	50g Trace Au + Multi Element PKG	

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 8-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204420

Sample Description	Method	WEI-21	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
M895901		0.45	0.005	0.61	1.32	121.0	<10	520	0.62	0.31	1.06	3.15	19.85	12.0	22	3.49
M895902		0.28	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
M895903		0.54	0.004	0.65	1.40	142.0	<10	670	0.68	0.35	0.99	5.12	22.8	12.6	23	3.87
M895904		0.32	0.005	2.06	1.90	120.0	<10	300	0.98	5.40	0.77	13.80	24.0	15.0	37	4.63
M895905		0.45	0.004	0.41	1.41	47.5	<10	240	0.69	0.82	0.48	1.99	27.5	10.0	26	2.66
M895906		0.43	0.004	0.80	1.76	144.0	<10	200	0.87	1.59	0.74	7.77	22.0	10.2	31	4.44
M895907		0.62	0.002	0.06	1.32	17.1	<10	180	0.55	0.20	0.14	0.52	31.9	11.4	21	0.94
M895908		0.48	0.004	0.31	1.84	106.5	<10	300	0.80	0.24	0.21	0.69	34.5	13.3	27	2.17
M895909		0.51	0.003	0.24	3.41	93.1	<10	390	1.21	0.22	0.31	0.58	30.3	15.1	40	4.76
M895910		0.55	0.004	0.24	1.92	102.5	<10	700	0.89	0.19	0.42	0.75	25.0	10.4	27	3.59
M895911		0.40	0.004	0.10	2.78	203	<10	370	1.12	0.21	0.24	0.57	28.7	14.9	35	3.94
M895912		0.46	0.005	0.52	3.41	239	<10	1210	1.27	0.26	0.58	1.83	25.4	14.2	38	6.40
M895913		0.53	0.003	0.21	0.85	15.4	<10	610	0.62	0.17	0.13	0.74	30.3	11.3	15	0.68
M895914		0.46	0.002	0.24	1.23	33.4	<10	380	0.66	0.18	0.15	0.99	31.3	10.4	21	1.18
M895915		0.45	0.002	0.07	1.50	31.9	<10	210	0.64	0.78	0.12	0.45	33.3	12.2	27	1.60
M895916		0.57	0.003	0.07	1.16	14.6	<10	210	0.55	0.18	0.15	0.40	34.2	9.4	23	0.94
M895917		0.51	0.003	0.09	1.24	14.3	<10	170	0.56	0.19	0.12	0.53	30.6	11.5	24	1.08
M895918		0.70	0.003	0.51	2.33	217	<10	510	1.01	1.91	0.29	1.77	29.1	14.0	30	3.01

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

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www.alsglobal.com/geochemistry

To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 8-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204420

Sample Description	Method	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
M895901		54.5	2.74	3.99	0.06	0.03	0.09	0.029	0.17	10.0	19.6	0.45	472	5.81	0.03	0.48
M895902		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
M895903		63.7	2.98	4.10	0.06	0.03	0.12	0.033	0.19	11.4	20.5	0.46	676	5.93	0.03	0.52
M895904		173.0	2.65	5.57	0.05	0.04	0.07	0.080	0.08	12.7	25.8	0.67	441	4.52	0.01	0.59
M895905		67.3	2.18	4.23	0.06	0.02	0.04	0.047	0.07	14.1	15.8	0.45	402	3.23	0.01	0.43
M895906		105.0	2.22	5.04	<0.05	0.02	0.09	0.051	0.06	13.0	22.3	0.48	370	5.24	0.03	0.53
M895907		27.8	2.62	3.51	0.05	0.04	0.04	0.026	0.06	15.1	13.4	0.34	537	1.86	<0.01	0.59
M895908		41.8	2.80	4.99	0.05	0.05	0.07	0.032	0.10	16.1	17.4	0.42	580	2.55	<0.01	0.68
M895909		34.7	3.21	9.67	0.06	0.09	0.05	0.032	0.18	14.3	33.9	0.81	436	1.65	0.03	1.47
M895910		49.0	2.78	5.75	0.06	0.04	0.12	0.032	0.14	12.8	23.9	0.57	423	2.04	0.03	0.44
M895911		38.3	3.21	7.69	0.05	0.13	0.06	0.033	0.11	14.0	29.3	0.66	446	2.31	0.01	1.60
M895912		82.0	3.86	9.65	0.07	0.17	0.17	0.055	0.22	13.2	34.3	0.70	529	2.77	0.06	0.46
M895913		36.2	2.14	2.17	0.05	0.02	0.06	0.032	0.07	14.7	8.0	0.16	381	3.23	<0.01	0.24
M895914		35.6	2.49	3.43	0.05	0.02	0.05	0.031	0.08	15.0	12.2	0.29	533	2.58	<0.01	0.45
M895915		24.4	2.69	4.83	0.05	<0.02	0.04	0.030	0.08	16.2	16.4	0.40	491	2.07	<0.01	0.47
M895916		23.3	2.29	3.04	0.05	0.02	0.04	0.023	0.05	15.5	11.2	0.34	395	1.56	<0.01	0.45
M895917		24.2	2.46	3.36	<0.05	<0.02	0.05	0.025	0.06	14.6	12.4	0.35	494	1.74	<0.01	0.56
M895918		50.8	3.33	6.49	0.05	0.09	0.05	0.028	0.08	14.6	20.3	0.46	415	2.81	0.01	0.52

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 8-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204420

Sample Description	Method	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
M895901		44.8	900	19.0	16.3	0.006	0.06	2.99	3.1	3.6	0.8	62.9	<0.01	0.10	3.8	0.029
M895902		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
M895903		49.7	970	16.9	17.4	0.008	0.05	3.07	3.5	3.5	0.8	66.3	<0.01	0.11	3.6	0.030
M895904		80.8	1080	25.7	12.2	0.002	0.07	1.67	3.3	3.6	1.9	78.8	<0.01	0.19	1.0	0.023
M895905		39.2	980	9.2	7.5	0.001	0.03	1.40	3.4	1.4	1.5	58.6	<0.01	0.06	2.5	0.038
M895906		50.7	970	11.9	8.6	0.002	0.08	1.56	2.3	2.3	1.3	47.6	<0.01	0.07	0.6	0.023
M895907		31.7	770	15.4	8.2	0.001	0.02	1.53	2.9	0.9	0.4	15.9	<0.01	0.04	3.6	0.021
M895908		41.8	780	17.2	13.4	0.001	0.03	1.91	3.9	1.4	0.7	26.0	<0.01	0.07	4.2	0.027
M895909		40.6	580	14.3	22.8	<0.001	0.04	1.30	6.0	1.2	1.0	32.5	<0.01	0.08	6.3	0.086
M895910		36.8	690	14.6	14.6	0.001	0.03	2.38	5.5	0.9	0.9	50.8	<0.01	0.07	5.4	0.053
M895911		45.1	750	17.5	16.4	0.001	0.04	2.05	5.2	1.8	1.1	31.2	<0.01	0.14	5.9	0.056
M895912		48.6	740	22.2	22.4	0.001	0.06	2.42	7.4	1.4	1.4	69.2	<0.01	0.14	8.0	0.070
M895913		28.7	770	26.3	7.2	0.002	0.04	2.64	2.3	1.6	0.3	28.3	<0.01	0.05	2.5	0.006
M895914		34.0	760	24.3	9.1	0.001	0.03	2.24	2.8	1.3	0.5	22.2	<0.01	0.06	2.5	0.017
M895915		32.5	550	17.9	12.0	<0.001	0.02	1.50	2.4	1.1	0.7	14.5	<0.01	0.13	1.1	0.024
M895916		28.4	600	26.1	9.0	0.001	0.02	1.34	2.8	1.1	0.3	15.5	<0.01	0.04	3.7	0.027
M895917		26.0	540	15.3	9.9	<0.001	0.02	1.36	2.9	1.0	0.4	13.3	<0.01	0.04	3.3	0.028
M895918		51.7	780	30.1	9.5	0.001	0.04	2.34	4.6	1.9	1.3	36.6	<0.01	0.27	6.0	0.026

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ALS Canada Ltd.
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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 8-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204420

Sample Description	Method	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44	AuME-TL44
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5
M895901		0.34	1.17	49	0.64	9.26	227	1.5
M895902		NSS	NSS	NSS	NSS	NSS	NSS	NSS
M895903		0.34	1.56	58	0.76	10.35	293	1.3
M895904		0.31	4.84	103	0.66	15.90	909	1.4
M895905		0.10	1.51	51	5.45	9.19	143	0.7
M895906		0.14	8.79	61	10.55	12.90	371	0.5
M895907		0.14	0.87	47	0.21	6.21	110	1.1
M895908		0.23	1.11	53	0.34	7.92	130	1.7
M895909		0.36	0.90	54	0.33	8.59	98	3.1
M895910		0.34	1.15	51	0.31	10.95	127	2.0
M895911		0.32	1.12	50	0.60	8.21	111	4.9
M895912		0.47	2.26	57	0.36	13.95	152	7.8
M895913		0.14	1.07	46	0.08	7.98	120	0.7
M895914		0.22	0.95	54	0.14	7.77	150	0.7
M895915		0.17	0.97	52	0.20	6.61	131	<0.5
M895916		0.14	0.93	44	0.20	6.54	94	0.7
M895917		0.16	1.00	44	0.23	5.47	84	0.6
M895918		0.34	1.36	51	0.61	8.94	211	3.6

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 8-AUG-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23204420

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-21 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
AuME-TL44

ALS Canada Ltd.
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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 5-SEP-2023
This copy reported on 6-SEP-2023
Account: HULGEO

CERTIFICATE WH23236782

Project: Goldorak

This report is for 21 samples of Soil submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2023.

The following have access to data associated with this certificate:

JEROME DE PASQUALE	ROGER HULSTEIN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-TL43	25g Trace Au + Multi Element PKG	

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

Signature:

Saa Traxler, Director, North Vancouver Operations

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 5-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236782

Sample Description	Method	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
W425955		0.50	0.006	7.75	1.62	1390	10	30	0.72	10.40	6.34	56.9	6.75	17.3	4	1.50
W425956		0.40	0.007	2.46	2.11	177.5	<10	350	0.91	1.20	0.70	3.19	9.92	10.6	32	4.98
W425957		0.42	0.004	5.05	1.45	1790	<10	70	0.82	2.90	0.32	5.73	8.58	13.0	20	4.42
W425958		0.46	0.005	3.17	2.43	227	<10	120	1.07	1.57	0.65	4.93	7.88	15.0	12	4.41
W425959		0.53	0.004	3.42	1.62	789	10	50	0.61	5.11	1.31	8.73	7.74	10.6	11	3.26
W425960		0.43	0.008	4.51	3.01	228	<10	60	1.09	2.00	1.16	8.80	8.93	17.8	7	2.77
W425961		0.46	0.010	10.35	2.18	492	10	80	0.73	25.7	0.93	19.15	12.50	13.6	12	3.36
W425962		0.45	0.145	7.65	1.66	576	10	100	0.88	28.1	0.92	29.3	11.65	16.6	16	3.75
W425963		0.42	0.007	3.02	1.62	706	<10	130	0.84	10.40	0.60	7.18	14.05	12.1	20	3.37
W425964		0.44	0.001	0.65	1.66	41.9	<10	160	1.04	0.17	0.52	0.73	7.90	8.0	11	4.35
W425965		0.43	0.006	3.70	3.73	80.2	<10	150	2.32	0.22	1.74	7.64	23.6	20.1	10	1.19
W425966		0.49	0.003	0.25	1.17	16.0	<10	480	0.70	0.17	0.19	1.07	17.30	11.0	24	1.16
W425967		0.66	0.001	0.67	0.60	7.6	<10	370	0.76	0.10	0.15	1.29	18.65	9.1	19	0.85
W425968		0.49	0.006	2.16	2.13	42.9	<10	340	1.24	0.21	1.94	1.92	20.6	16.6	21	1.85
W425969		0.51	0.004	0.49	1.31	15.0	<10	550	0.75	0.16	0.20	0.81	19.70	12.2	24	0.96
W425970		0.54	0.007	7.25	4.27	127.0	<10	160	2.25	0.33	0.29	23.5	12.15	35.9	17	2.82
W425971		0.53	0.003	0.65	1.24	32.1	<10	520	0.63	0.26	0.22	0.78	19.30	8.9	25	1.65
W425972		0.49	0.004	0.81	2.15	52.8	<10	600	1.03	0.40	0.28	1.19	17.00	9.6	32	3.09
W425973		0.49	0.006	1.01	2.03	97.9	<10	300	0.84	0.59	0.23	0.71	11.35	10.2	41	3.18
W425974		Listed, NR														
M895919		0.41	0.006	3.92	1.67	799	10	50	0.80	2.31	1.87	4.28	6.34	14.4	10	2.80

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 5-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236782

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
W425955		362	5.49	5.09	0.07	0.03	0.06	0.754	0.03	3.5	8.9	0.14	324	1.82	0.07	0.07
W425956		99.0	3.48	6.51	<0.05	0.08	0.10	0.118	0.07	5.4	27.3	0.65	406	20.4	0.04	0.55
W425957		249	3.53	4.85	0.05	0.07	0.13	0.167	0.03	4.2	14.1	0.20	412	23.2	0.02	0.24
W425958		157.5	4.44	6.50	0.09	0.05	0.24	0.094	0.06	4.1	11.3	0.23	561	11.00	0.02	0.30
W425959		228	2.55	5.26	<0.05	0.04	0.03	0.142	0.03	4.0	14.6	0.30	365	11.25	0.05	0.15
W425960		189.0	4.57	5.27	0.06	0.03	0.11	0.153	0.03	4.5	9.0	0.16	391	4.77	0.05	0.21
W425961		125.0	2.86	7.15	0.06	0.03	0.12	0.318	0.05	5.8	8.4	0.16	352	5.67	0.03	0.26
W425962		308	3.02	5.64	0.06	0.04	0.12	0.367	0.07	6.2	17.4	0.35	539	7.49	0.04	0.24
W425963		177.0	2.75	4.51	0.05	0.04	0.06	0.237	0.05	7.6	17.6	0.42	458	8.97	0.04	0.29
W425964		38.9	4.21	5.21	<0.05	0.09	0.03	0.042	0.03	3.9	19.0	0.14	152	3.63	0.02	0.55
W425965		203	5.12	5.11	0.07	0.25	0.06	0.026	0.02	15.6	5.5	0.05	757	17.25	0.11	0.51
W425966		47.6	2.36	3.19	<0.05	0.03	0.06	0.031	0.06	8.7	11.8	0.31	336	3.78	<0.01	0.22
W425967		30.1	3.83	1.63	0.05	<0.02	0.05	0.029	0.05	7.0	7.6	0.15	382	1.84	<0.01	0.09
W425968		141.0	4.22	5.05	0.07	0.16	0.19	0.041	0.06	16.6	13.0	0.24	502	8.57	0.07	0.28
W425969		49.0	2.59	2.99	<0.05	0.03	0.09	0.029	0.06	9.1	17.2	0.48	475	2.88	0.01	0.28
W425970		278	4.75	8.60	0.07	0.37	0.17	0.498	0.03	6.0	10.0	0.13	1065	51.3	0.01	0.56
W425971		52.6	2.32	3.32	<0.05	0.02	0.10	0.029	0.07	9.8	19.8	0.49	385	4.67	0.01	0.25
W425972		86.8	2.95	5.59	<0.05	0.07	0.15	0.048	0.09	9.6	28.3	0.67	441	9.84	0.03	0.32
W425973		73.8	2.52	6.16	<0.05	0.06	0.12	0.048	0.06	5.7	34.9	1.01	380	5.68	0.04	0.35
W425974																
M895919		293	4.56	4.72	0.05	0.03	0.07	0.053	0.02	3.3	10.7	0.17	427	7.76	0.06	0.14

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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 5-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236782

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
W425955		73.2	780	126.5	1.3	0.002	0.44	29.6	0.8	19.8	2.7	179.5	<0.01	0.52	3.2	<0.005
W425956		69.7	960	44.4	11.4	0.003	0.06	25.7	2.9	5.9	1.4	79.8	<0.01	0.23	2.5	0.018
W425957		73.0	1090	69.3	3.4	0.004	0.11	4.85	1.6	11.9	6.2	27.6	<0.01	0.17	2.2	0.008
W425958		68.2	1960	48.2	4.3	0.002	0.14	12.45	1.2	24.9	2.2	89.8	<0.01	0.23	3.8	0.011
W425959		60.6	1020	58.4	2.3	0.009	0.05	8.96	1.1	6.2	5.3	135.5	<0.01	0.27	2.7	0.005
W425960		75.8	990	70.5	2.3	0.004	0.12	11.40	1.0	12.2	3.5	58.4	<0.01	0.14	4.9	0.007
W425961		79.7	930	936	4.1	0.004	0.07	5.94	1.1	9.8	2.8	116.5	<0.01	0.88	2.9	0.009
W425962		87.8	1340	157.0	4.8	0.004	0.08	8.17	1.5	9.8	10.8	78.6	<0.01	1.87	2.2	0.008
W425963		63.0	1380	74.7	5.1	0.002	0.05	7.28	1.5	5.3	7.2	68.7	<0.01	0.25	1.4	0.018
W425964		35.4	2510	24.0	1.6	<0.001	0.03	4.34	0.9	6.5	0.4	31.0	<0.01	0.12	3.8	0.013
W425965		71.5	1490	21.9	1.3	0.001	0.08	5.69	2.0	7.4	0.3	87.6	<0.01	0.14	6.8	0.016
W425966		36.6	620	11.8	8.4	0.001	0.01	2.74	2.9	1.2	0.4	28.4	<0.01	0.07	2.1	0.005
W425967		31.9	790	12.4	7.3	<0.001	0.01	1.02	4.8	0.8	0.2	14.6	<0.01	0.03	3.1	<0.005
W425968		78.2	650	15.8	7.8	0.001	0.06	7.19	4.4	4.1	0.3	83.4	0.01	0.10	4.9	<0.005
W425969		40.4	810	12.4	7.9	0.002	0.02	2.59	3.4	1.3	0.4	29.0	<0.01	0.06	2.3	0.009
W425970		112.0	2110	35.5	5.6	0.002	0.14	15.35	2.1	15.9	0.6	26.3	<0.01	0.27	5.4	0.016
W425971		39.9	730	15.0	7.7	0.001	0.03	4.54	3.3	1.8	0.4	32.3	<0.01	0.07	3.0	0.018
W425972		59.5	430	19.8	10.0	0.001	0.06	7.51	4.9	2.8	0.5	40.3	<0.01	0.14	3.6	0.018
W425973		48.9	400	27.7	9.1	0.001	0.04	6.90	4.5	2.9	0.6	33.4	<0.01	0.12	2.8	0.019
W425974																
M895919		73.6	1000	53.5	1.9	0.007	0.12	6.66	1.0	9.2	2.0	98.0	<0.01	0.15	2.4	<0.005

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

ALS Canada Ltd.
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To: HULSTEIN GEOLOGICAL SERVICES
106 WILSON DRIVE
WHITESHORSE YT Y1A 0C9

Finalized Date: 5-SEP-2023
Account: HULGEO

Project: Goldorak

CERTIFICATE OF ANALYSIS WH23236782

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5
W425955		0.06	1.00	13	5.90	7.45	1515	0.8
W425956		0.31	3.07	86	0.74	6.91	464	3.1
W425957		0.10	4.10	49	8.29	6.21	237	2.6
W425958		0.12	3.06	21	4.30	4.84	242	2.0
W425959		0.05	2.70	30	6.47	6.98	371	1.6
W425960		0.08	3.05	11	1.80	5.55	397	1.0
W425961		0.11	3.53	19	1.42	5.62	983	1.0
W425962		0.13	4.51	34	41.7	8.79	1255	1.6
W425963		0.11	4.35	37	13.50	9.27	548	1.3
W425964		0.05	1.39	13	0.47	4.17	75	3.3
W425965		0.12	3.61	8	1.07	28.0	116	9.5
W425966		0.18	1.10	58	0.13	5.92	125	0.8
W425967		0.08	0.70	39	0.05	10.75	97	<0.5
W425968		0.25	2.71	37	0.40	45.0	168	5.7
W425969		0.17	1.24	50	0.11	7.80	135	0.8
W425970		0.28	9.75	44	2.25	8.42	739	13.9
W425971		0.23	1.48	58	0.17	9.52	150	1.0
W425972		0.40	2.55	74	0.36	12.55	246	2.6
W425973		0.32	1.24	84	0.27	5.19	193	2.3
W425974								
M895919		0.09	2.80	24	1.86	8.49	133	1.2

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

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To: HULSTEIN GEOLOGICAL SERVICES
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CERTIFICATE OF ANALYSIS WH23236782

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-21 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
AuME-TL43

APPENDIX B

Rock Sample Descriptions

&

Analytical Results

	Goldorak 2023 Rock Samples																
Station	Date	Time	Coord_Syst	East	North	Elev	m	Sampler	Type	Type2	Structure_	Strike-Dip	Strike	Dip	Lithology	Min1	Min1Per
M895654	8/13/2023	3:48:52PM	NAD83_UTM_Z8N	513473	6974048	1537	m	Roger Hulstein	rock	float	bedding				replaced limestone	chalcopyrite	4
M895655	8/17/2023	10:21:14AM	NAD83_UTM_Z8N	512879	6973660	1176	m	Roger Hulstein	rock	grab	bedding		148	18	replaced limestone	pyrrhotite	5
M895656	8/17/2023	2:24:44PM	NAD83_UTM_Z8N	512887	6973698	1211	m	Roger Hulstein	rock	grab	bedding				marble	pyrrhotite	8
M895657	8/17/2023	2:39:37PM	NAD83_UTM_Z8N	512893	6973680	1191	m	Roger Hulstein	rock	panel	bedding			0	marble	pyrrhotite	10
M895658	8/17/2023	2:54:21PM	NAD83_UTM_Z8N	512895	6973680	1231	m	Roger Hulstein	rock	grab	bedding				marble	pyrrhotite	5
M895659	8/17/2023	3:48:57PM	NAD83_UTM_Z8N	513067	6973717	1246	m	Roger Hulstein	rock	float					siltstone	pyrrhotite	4
M895660	8/17/2023	3:58:28PM	NAD83_UTM_Z8N	513066	6973719	1246	m	Roger Hulstein	rock	float					quartzite	pyrrhotite	3
M895661	8/17/2023	1:02:04PM	NAD83_UTM_Z8N	513689	6974116	1462	m	Roger Hulstein	rock	float					quartzite	pyrrhotite	5
M895662	8/17/2023	2:17:15PM	NAD83_UTM_Z8N	513733	6974201	1412	m	Roger Hulstein	rock	grab					quartzite	pyrrhotite	5
M895663	8/17/2023	2:44:13PM	NAD83_UTM_Z8N	513736	6974183	1411	m	Roger Hulstein	rock	grab					siltstone	pyrrhotite	3
M895664	8/17/2023	3:13:48PM	NAD83_UTM_Z8N	513703	6974128	1432	m	Roger Hulstein	rock	grab	bedding		160	50	siltstone	pyrrhotite	2
M895665	8/17/2023	not recorded	NAD83_UTM_Z8N	513695.879	6973189.507	1664.625732	m	Jerome de Pasquale	rock	float composite					calc-silicate	arsenopyrite	0.1
Y647951	7/16/2023	not recorded	NAD83_UTM_Z8N	516765.6	6971200.29	1135.73	m	Jerome de Pasquale	rock	float					massive sulphide	pyrrhotite	40

Station	Min2	Min2Per	Min3	Min3Per	Description	Sample	Au_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm
M895654	sphalerite	5	pyrrhotite	5	Subcrop; Rusty weathering medium grey quartz with 15% disseminated sulfides (possibly up to 1% disseminated arsenopyrite) and rusty leached - bleached quartzite (- formerly limey?) with minor quartz veinlets. Both rocks in same rusty patch that extends along hillside for approx 10m - likely a mineralized replaced bed.	M895654	0.003	5.61	2.93	7300		63	1.31	5.3
M895655	pyrite	1	chalcopyrite	0.1	Grab from small outcrop near creek SW of Mizar discovery sample and about 5 m from creek, near bottom of little cliff. Weakly rusty weathering grey quartzose siltstone - quartzite with minor argillite laminations, weakly calcareous. Locally coarser grained with rare quartz blebs and sulfides. Locally ribbon banded.	M895655	0.004	1.88	4.82	29		960	1.57	0.647
M895656					Composite grab over 2 m horizontal collected along top of bluff. Weakly rusty brown weathering grey marble, half and half coarse and fine grained.	M895656	0.005	18.35	3.74	83.4		470	1.28	38.2
M895657	pyrite	1	arsenopyrite	0.1	Approxmatively 1x1 m panel sample collected 1.7 m west of Mizar discovery sample and 2022 sample, at same elevation on top of little cliff. Rusty weathering siliceous grey marble with approx 10% diss sulphides. Minor fractures with aligned sulfides. Contains minor weathered out <10 cm bands - likely weathered out sulfides. Bed could be near horizontal.	M895657	0.007	38.1	3.91	28.1		500	1.42	58.2
M895658	chalcopyrite	0.5	sphalerite	3	Grab of rusty weathering sulfidic silicified replaced marble (no remnant fizz) in contact with leached - oxidized material - former sulfides (not in sample) collected about 1 m from Mizar discovery sample and in contact with sample 5657.	M895658	0.004	6.47	2.49	50.2		35	0.88	5.3
M895659	chalcopyrite	0.1	arsenopyrite	0.1	Rusty weathering angular boulder in creek 30x40x50 cm, of grey weathering siltstone, disseminated sulfides, local and minor grey quartz veinlets and very fine vugs - not directly associated with sulfides.	M895659	0.001	0.549	5.66	249		2110	1.38	0.516
M895660	arsenopyrite	0.1			Rusty weathering angular boulder in creek 25x30x40 cm, of light grey quartzite, medium grained, cross cut by sucrosic quartz veinlets up to 0.5 cm thick, sulfides diss in quartzite.	M895660	0.003	0.941	3.75	374		920	0.96	1.295
M895661	sphalerite	2			Rusty weathering 40 cm boulder of light grey green quartzite breccia with fractures. Matrix and fractures of sphalerite and pyrrhotite. Most of scree is light grey, few rusty, boulders. 22 m east is boulder with 5% pyrite, chlorite?	M895661	0.285	6.17	3.36	21		41	1.14	83.1
M895662					Grab over 8-10 m of light grey quartzite with spotty FeOx, grey fine grained quartzite - hornfels, massive blocky, forms 4-5 m high cliffs. Blebs and diss of pyrrhotite. Occasional dark grey unmineralized 2-3 mm quartz veinlets.	M895662	0.002	1.01	3.95	19.3		570	1.28	0.286
M895663					Continuation of 5662 going south, about 8m long, rusty weathering, hornfelsed siltstone - quartzite. Minor tremolite.	M895663	0.001	1.165	3.42	23.4		1210	0.97	0.159
M895664	chalcopyrite	0.1			Rusty weathering hornfelsed siltstone - fine grained quartzite, 0.5 m band of pyrrhotite rich meta-sediment, locally bleached, rare dark grey unmineralized quartz veinlets.	M895664	0.002	2.66	3.36	42.1		430	0.94	1.225
M895665	pyrite	0.1			30x20x20 cm float. Sample due the presence of stubby arsenopyrite and trace pyrite consisting of the most mineralization observed in vein in the area until then. Light grey calc-silicate hosted coarse grained-drusy texture averaging 1 cm in thickness. Trace coarse grained arsenopyrite. The vein constitutes 10% of the sample overall, 3 thin quartz veinlets in the float. Carbonate fracture coating and fibrous minerals. Courtesy of Patrick Sack.	M895665	0.008	1.84	4.1	632		620	1.14	8.53
Y647951	chalcopyrite	2	arsenopyrite	2	20x10x5 cm angular float in creek bed. Dark green, fine grained, massive sulphide. Probably chlorite-diopside dominant. Strongly magnetic due to high pyrrhotite content, 2% chalcopyrite, 2% arsenopyrite, 5% quartz in groundmass.	Y647951	1.17	1.605	1.34	91.9		53	0.61	5.43

Station	Ca_pct	d_ppı	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Lu_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
M895654	5.58	95.4	26.5	21.1	63.7	3.71	1235	10.45	14.15	0.52	1.42		3.53	0.16	21.5	61.1		2.65	1670	5.42	0.283	6.78	39.1	0.058	87.1
M895655	5.38	3.67	39.6	7.51	134.5	3.97	117	2.65	21.1	0.2	2.93		0.097	1.03	24.2	33.1		3.03	947	16.9	0.361	10.6	61.1	0.157	15.95
M895656	7.18	31.3	61.2	7.74	147	5.61	117	3.53	12.3	0.25	1.89		0.44	1.65	45.3	32.7		2.79	1055	63.2	0.357	10.1	99.9	0.131	660
M895657	5.93	13.3	114.5	10.05	173	5.09	193.5	4.63	14.95	0.35	2.08		0.233	1.51	95.3	58.4		3.15	1040	102	0.278	9.58	63.7	0.266	838
M895658	2.64	54.2	54.2	31.9	95	3.29	587	13.75	10.4	0.47	1.175		1.21	0.54	43.2	63.2		2.55	965	24.1	0.132	6.26	180.5	0.061	74.6
M895659	0.18	0.54	37.1	9.69	60.3	11.65	125.5	3.14	13.45	0.15	2.42		0.005	2.51	17.7	76.7		0.84	124	15.45	1.15	4.72	34.7	0.038	13.4
M895660	5.5	0.32	46.8	6.42	72.1	4.51	54.7	2.15	10.3	0.17	1.415		0.02	2.22	21.5	16		3.08	634	0.85	0.209	9.37	30.2	0.08	7.57
M895661	6.53	305	64.2	7.48	101	5.29	514	5.31	13.4	0.35	1.43		2.04	0.05	46.2	16.9		1.94	699	11.3	0.238	6.79	44.9	0.329	41.7
M895662	6.46	0.63	40.7	11.75	89.5	5.76	135.5	3.37	10.45	0.18	2.04		0.019	2.51	26.4	42.7		3.33	456	9.1	0.292	9.22	61.7	0.071	8.5
M895663	6.45	0.61	46.8	9.59	63.3	5.32	116.5	3.27	12.6	0.17	1.625		0.005	1.9	27.2	52.4		3.87	764	9.19	0.184	8.36	40.8	0.098	7.93
M895664	8.99	0.6	44.4	6.46	44.6	11.75	296	7.41	12.15	0.38	1.3		0.021	1.1	21.9	46.2		5.11	1225	1.62	0.107	9.74	21.7	0.055	30.6
M895665	5.31	1.88	44	3.44	63.2	7.09	46.2	1.93	9.97	0.09	1.225		0.083	1.06	22.4	45.4		3.07	682	0.61	0.152	7.93	17.7	0.039	41.9
Y647951	2.46	0.36	21.2	20.5	13.1	1.91	295	21.8	5.46	0.2	0.18		0.312	0.3	9.27	6.3		0.66	2820	3.87	0.078	1.75	31.7	0.007	4.97

Station	Rb_ppm	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Tb_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Yb_ppm	Zn_ppm	Zr_ppm	Certificate
M895654	15.3	0.009	5.57	6.28	13.65	133	54.8	122	0.43		0.592	5.07	0.222	0.212	3.35	121	79.6	33.1		3490	57.8	WH23236784
M895655	46.4	0.1315	1.12	11.4	21.4	22.3	8.41	231	0.67		0.113	7.03	0.332	0.784	10.15	382	1.07	48.1		368	128.5	WH23236784
M895656	81.1	0.0622	1.65	130	9.33	39.4	13.95	190.5	0.66		1.01	7.02	0.324	0.965	5.84	506	2.58	37.3		2270	72.6	WH23236784
M895657	74.6	0.0743	2.07	18.05	13.4	50.5	19	156.5	0.63		2.22	7.25	0.313	0.954	9.03	434	6.03	45.6		1195	88.5	WH23236784
M895658	38.7	0.0346	9.58	11.75	8.68	110.5	20.1	72.5	0.4		0.299	4.35	0.201	0.585	2.87	177	1.87	25.7		4570	49.4	WH23236784
M895659	140.5	0.0306	0.7	3.32	14.6	15.45	13.4	137	0.27		0.057	5.06	0.194	1.435	4.21	204	0.987	10.1		77.5	101.5	WH23236784
M895660	98	0.0052	0.84	2.65	7.68	13.2	5.17	172.5	0.62		0.208	6.7	0.293	0.957	2.12	55	0.788	27.9		44	52.4	WH23236784
M895661	2.47	0.0388	3.4	2.33	7.63	76.7	10.05	186.5	0.44		13.35	5.05	0.214	0.027	7.68	145.5	300	44.3		17250	62.7	WH23236784
M895662	113	0.0117	1.5	3.19	13.9	21.8	6.39	321	0.6		0.069	6.71	0.291	1.14	3.47	135.5	2.26	33.3		47	79.7	WH23236784
M895663	87.1	0.0179	0.95	4.47	11.9	21.6	6.44	210	0.53		0.088	5.84	0.259	0.914	2.35	109	1.835	33.5		48.3	64.2	WH23236784
M895664	53.6	0.0042	2.85	8.77	7.4	100.5	12.8	115	0.63		0.095	6.07	0.298	0.533	1.57	53.6	1.33	30.7		62	46.3	WH23236784
M895665	58	0.0011	0.09	1.68	5.89	2.68	33.5	139.5	0.51		0.223	7.35	0.252	0.374	1.63	35	1.455	18		166.5	39.4	WH23236784
Y647951	14.2	0.0291	10	1.7	3.32	2.71	10.1	4.98	0.1		0.232	1.46	0.036	0.457	0.64	11	0.238	19.05		98.5	6.2	WH23204417

Station	Date	Time	Coord_Syst	East	North	Elev	m	Sampler	Type	Type2	Structure_	Strike-Dip	Strike	Dip	Lithology	Min1	Min1Per
Y647952	7/16/2023	not recorded	NAD83_UTM_Z8N	516769.02	6971217.02	1133.61	m	Jerome de Pasquale	rock	float					semi-massive sulphide	pyrrhotite	25
Y647953	7/16/2023	not recorded	NAD83_UTM_Z8N	516756.46	6971295.28	1165.97	m	Jerome de Pasquale	rock	grab composite					argillite	pyrrhotite	1
Y647954	7/16/2023	not recorded	NAD83_UTM_Z8N	516765.3	6971308.14	1158	m	Jerome de Pasquale	rock	grab composite					argillite	pyrrhotite	3
Y647955	7/17/2023	not recorded	NAD83_UTM_Z8N	516136.91	6971838.34	1412.49	m	Jerome de Pasquale	rock	grab composite					argillite	arsenopyrite	10
Y647956	7/17/2023	not recorded	NAD83_UTM_Z8N	516624.38	6972489.22	1465.18	m	Jerome de Pasquale	rock	float					hornfels		
Y647957	7/17/2023	not recorded	NAD83_UTM_Z8N	516851.88	6972397.69	1522.42	m	Jerome de Pasquale	rock	grab composite					argillite	pyrite	10
Y647958	7/17/2023	not recorded	NAD83_UTM_Z8N	516836.1	6972410.98	1512.14	m	Jerome de Pasquale	rock	grab composite					argillite	arsenopyrite	5
Y647959	7/17/2023	not recorded	NAD83_UTM_Z8N	516324.6	6972749.1	1558.14	m	Jerome de Pasquale	rock	float					hornfels	molybdenite	3
Y647960	7/18/2023	not recorded	NAD83_UTM_Z8N	516313.33	6972581.81	1488.02	m	Jerome de Pasquale	rock	grab composite					quartz vein		
Y647961	7/18/2023	not recorded	NAD83_UTM_Z8N	516310.59	6972530.76	1473.78	m	Jerome de Pasquale	rock	grab composite					hornfels	pyrite	0.5

Station	Min2	Min2Per	Min3	Min3Per	Description	Sample	Au_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm
Y647952	chalcopyrite	1			80x50x40 cm boulder, rusty patina, banded on surface. Dark green, fine grained, banded massive sulphide. Pyrrhotite dominant, some chalcopyrite and 5% calcite in groundmass. Difficult to sample so mostly chips collected from sharp surface. The boulder should be from local source. Other rocks (float and boulder) of the same nature were observed walking up-stream.	Y647952	0.073	1.92	4.19	441		77	0.56	1.135
Y647953	chalcopyrite	0.1			10x5 m outcrop of silicified argillite. Rusty, decomposed-gossanous argillite (?) or narrow fault zone. The sample consists of 50% limonite and goethite with trace pyrrhotite and chalcopyrite. Selective sample slightly high-graded. Gouge and dirt from fracture sampled as soil (M895902 - picture missing in the data)	Y647953	0.107	1.665	4.88	52.6		730	0.71	6.27
Y647954	pyrite	2	chalcopyrite	0.1	10x5 m outcrop of silica flooded argillite. Abundant quartz veining, rusty fractures, limonite in vugs. Mineralized pyrrhotite-pyrite-trace chalcopyrite. Sampled to test veining on the same outcrop that Y647953.	Y647954	0.051	0.879	6.63	78.3		1690	1.24	1.095
Y647955	pyrite	5	chalcopyrite	1	2x1 m outcrop. Metasediment/argillite on the west side of the LM showing area. Strongly silica altered, rusty in fracture and limonite in veinlets. 10-15% sulphide including arsenopyrite, pyrite, minor chalcopyrite and pyrrhotite (weakly magnetic). Sampled at the base of the outcrop. The purpose of the sample is to extend to LM mineralization zone. This sample represents the westerly mineralization found in the area - proximal to the ridge.	Y647955	0.076	0.979	4.28	258		223	0.26	2.21
Y647956					30x20x20 cm float in creek bed. Strongly silicified (silica flooded) hornfels with abundant chalcedony veinlets - stockwork texture, manganese oxides, weakly oxidized. The rock may contain very fine grained sulphide. Follow up of high zinc in soil (Anaconda, 1981). No indicator of zinc mineralization in the rock. However, the moss in the creek bed could be zinc-moss (no certainty). Silt sample collected to test the zinc anomaly (M895904).	Y647956	0.002	0.81	3.62	11.75		2040	1.08	0.364
Y647957	chalcopyrite	5			Large rusty outcrop (over 20 metres in width) visible from distance. Follow up of zinc-copper anomalous soi samples. "Tertre Rouge" area coincident with geomorphological break on the ridge. Mostly weakly sheared argillite, locally mineralized pyrite-chalcopyrite, very fine grained sulphides, occasionally along fracture and fracture coating. Not magnetic (probably no pyrrhotite). Sample to test the multi-element/base metal anomaly.	Y647957	0.003	0.978	5.8	4.43		200	1.51	0.427
Y647958	chalcopyrite	0.5			Sample after scrapping a yellow-orange staining patch (over the more reddish-burgundy dominant colour of the outcrop). The zone seems to correspond to a shear zone. The rock is strongly oxidized on surface-gossanous with yellow staining suggesting the presence of scorodite (difficult to have a fresh surface for good observation. Tarnish grey sulphide observed (arsenopyrite ?), minor chalcopyrite. Strong silicification marked by grey coloured quartz.	Y647958	0.001	0.598	6.26	9.37		2100	1.6	0.366
Y647959					30x30x30 cm float in creek bed. The sampled is marked by 3 quartz veins up top 1.5cm wide containing molybdenite and one <1 mm wide molybdenite veinlet. No other sulphide observed. The hosts rock consists of grey-siliceous-fine grained hornfels. Vein texture is sucrosic and dry in aspect. Similar vein were sampled in 2022 on the edge of the drainage immediately north of this location (molybdenite was reported). Selective sample of quartz vein fragment.	Y647959	0.001	0.304	4.2	34		950	1.78	0.309
Y647960					5x6 m outcrop. Quartz vein stockwork. The vein average 0.3 to 2 cm, hornfels hosted. No mineralization observed, rare rusty spots (oxidized pyrite ?). The texture of the veins is similar to the vein sampled in 2022 on the northern ridge of the main Acta claim block: sucrosic, dry veins.	Y647960	0.004	0.213	2.42	128.5		1550	0.91	5.29
Y647961	chalcopyrite	0.5	pyrrhotite	0.1	3x2 m outcrop in creek bed. Grey, silica flooded argillite (hornfelsed) with abundant fractures (minor rust) and chalcedony veinlets. 1% sulphide overall including pyrite and chalcopyrite, trace pyrrhotite. Oxidation weakly penetrating the strongly silicified host-rock.	Y647961	0.001	0.465	5.66	21.5		2940	1.55	0.315

Station	Ca_pct	d_ppi	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Lu_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
Y647952	6.18	1.24	33.6	13.4	33.4	13	36.8	23.4	14.15	0.25	1.05		0.286	2.17	14.35	33.4		1.54	5630	7.81	0.123	8.18	35.8	0.027	10.05
Y647953	6.38	0.11	52.4	5.63	51.8	4.41	295	13.95	21.6	0.17	1.31		0.176	1.65	31	44.3		3.19	2550	2.5	0.313	9.02	9.51	0.03	7.58
Y647954	2.2	0.07	119	5.68	65.8	12.95	177.5	6.23	22.2	0.21	1.53		0.079	3.91	62.5	42		0.84	733	1.27	0.286	12.15	11.6	0.035	6.79
Y647955	7.05	0.04	30.3	15.8	29.7	7.75	92.9	16.55	15.9	0.17	0.802		0.352	1.21	14.35	46.6		1.45	4020	0.25	0.107	5.93	12.3	0.021	2.8
Y647956	4.22	5.27	36.5	10	78.9	6.02	98.9	1.79	10.7	0.14	1.815		0.052	1.75	21.9	20.5		1.41	279	4.54	0.255	7.84	80.7	0.133	5.85
Y647957	1.19	0.36	50.4	19.75	68.5	16.35	112.5	3.37	17.05	0.18	2.32		0.008	1.96	20.9	75		1.2	554	2.3	1.215	5.98	46.3	0.127	7.61
Y647958	0.76	2.29	52	18.6	60.9	12.9	138.5	2.92	18.2	0.18	2.58		0.013	2.22	23.5	72.3		1.04	180	4.04	1.17	5.81	30	0.046	6.71
Y647959	7.98	6.3	55.8	7.94	122	3.39	194.5	2.51	15.75	0.2	2.64		0.132	0.84	41.5	44		2.52	770	381	0.365	9.99	152	0.141	3.95
Y647960	2.77	1.98	27.4	4.72	83.4	3.76	54	1.63	8.11	0.11	1.245		0.247	0.96	15.1	44.2		1.35	424	8.31	0.172	5.93	36.4	0.032	2.88
Y647961	2.08	1.04	32	9.06	37.6	8.28	85.1	2.18	14.45	0.14	2.78		0.05	2.1	16.7	57.6		0.67	160	38.7	1.075	5.12	57.7	0.08	11.75

Station	Rb_ppm	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Tb_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Yb_ppm	Zn_ppm	Zr_ppm	Certificate
Y647952	162.5	0.021	10	3.84	9.69	3.13	7.32	70.7	0.52		0.333	5.83	0.164	2.32	1.8	39.2	0.671	44.1		81.9	39.5	WH23204417
Y647953	90	0.0007	0.85	3.23	9.83	2.43	8.44	114	0.61		0.206	9.28	0.246	0.606	1.36	54.2	1.28	16.45		128	46.3	WH23204417
Y647954	177.5	0.0016	0.74	1.6	10.75	1.59	4.4	155.5	0.82		0.044	11.35	0.32	1.435	1.78	57.1	1.315	32.2		76.6	57.1	WH23204417
Y647955	73.8	0.0005	2.37	6.43	12.7	1.435	5.27	105	0.4		0.252	5.51	0.157	0.789	0.68	32.5	2.15	20.8		79.1	24.7	WH23204417
Y647956	70.9	0.0152	0.08	1.3	10.55	6.5	4.98	178	0.55		0.054	5.42	0.211	0.691	3.88	139.5	1.12	35.6		565	70.1	WH23204417
Y647957	99.5	0.0085	2.08	2.84	19.75	17.1	1.12	185	0.38		0.087	5.35	0.241	2.61	3.1	209	1.71	24.1		57	89.7	WH23204417
Y647958	120.5	0.0102	0.73	1.02	19.8	24.4	1.82	210	0.38		0.063	5.84	0.253	3.16	3.09	206	1.47	11.45		314	96.3	WH23204417
Y647959	32.8	0.379	0.46	2.02	13.95	17.55	4.84	244	0.68		0.061	6.87	0.31	0.211	22.1	755	7.34	56.1		278	103.5	WH23204417
Y647960	50.9	0.0166	0.08	0.86	9.53	2.43	8.37	102.5	0.41		0.109	4.08	0.19	0.364	2.1	108	4.63	18.6		129	43.8	WH23204417
Y647961	104.5	0.0525	0.54	0.75	12.3	10.65	3.52	245	0.4		0.057	5.08	0.198	1.35	6.43	271	1.085	19.6		198.5	86.9	WH23204417

Station	Date	Time	Coord_Syst	East	North	Elev	m	Sampler	Type	Type2	Structure_	Strike-Dip	Strike	Dip	Lithology	Min1	Min1Per
Y647962	7/18/2023	not recorded	NAD83_UTM_Z8N	516372.37	6972054.43	1420.22	m	Jerome de Pasquale	rock	grab composite					argillite	arsenopyrite	5
Y647963	7/18/2023	not recorded	NAD83_UTM_Z8N	516362.43	6972038.67	1421.99	m	Jerome de Pasquale	rock	grab composite	bedding		100	52	argillite	pyrite	5
Y647964	7/19/2023	not recorded	NAD83_UTM_Z8N	516364.46	6972039.68	1424.26	m	Jerome de Pasquale	rock	grab composite					argillite	arsenopyrite	2
Y647965	7/19/2023	not recorded	NAD83_UTM_Z8N	516240.62	6971903.14	1385.84	m	Jerome de Pasquale	rock	float					granodiorite	scheelite	0.1
Y647966	7/19/2023	not recorded	NAD83_UTM_Z8N	516249.33	6971900.51	1398.62	m	Jerome de Pasquale	rock	grab composite					argillite	arsenopyrite	1
Y647967	7/19/2023	not recorded	NAD83_UTM_Z8N	516194.5	6971868.37	1394.66	m	Jerome de Pasquale	rock	grab composite					massive sulphide	arsenopyrite	40
Y647968	8/13/2023	not recorded	NAD83_UTM_Z8N	513514.496	6974005.437	1570.852539	m	Jerome de Pasquale	rock	grab					calc-silicate	pyrrhotite	2
Y647969	8/13/2023	not recorded	NAD83_UTM_Z8N	513513.914	6974011.005	1570.353271	m	Jerome de Pasquale	rock	grab					calc-silicate	sphalerite	5
Y647970	8/13/2023	not recorded	NAD83_UTM_Z8N	513480.115	6974034.263	1535.060791	m	Jerome de Pasquale	rock	grab composite	bedding		172	80	argillite	arsenopyrite	0.1

Station	Min2	Min2Per	Min3	Min3Per	Description	Sample	Au_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm
Y647962	pyrrhotite	5	pyrite	3	3x4 m outcrop north of the LM showing. Grey, irregular break, strongly silica altered argillite with abundant tarnish grey sulphide though as arsenopyrite-scorodite, 5% pyrrhotite, trace chalcopyrite. Quartz and possibly chlorite veining. Sampled to test mineralization.	Y647962	0.001	0.51	7.13	11.15		800	1.64	0.419
Y647963	arsenopyrite	2	chalcopyrite	0.1	3x5 m outcrop. Strongly silicified argillite with dark green-blue colour (silica flooded possibly overprinting chlorite alteration). 5 to 10% sulphide including pyrite and medium grained arsenopyrite, trace chalcopyrite. Weakly magnetic (minor pyrrhotite) Mineralization are vein hosted marked by up to 1 cm wide bleaching (silica-sericite?). The outcrop is primarily not altered. The only evidence of mineralization is marked by a rough surface texture and the lack of sharp angles.	Y647963	0.001	0.284	8.11	22.6		4940	2.1	0.332
Y647964	scorodite	1	chalcopyrite	0.5	3x4 m outcrop. Most of the outcrop is mineralized and silica altered (possibly overprinting chlorite alteration). 30% iron oxide. Presence of arsenopyrite in veinlets, possibly scorodite, and trace chalcopyrite on fracture coating. Selective sample to test 3 cm wide quartz-limonite vein showing weakly developed brecciated texture.	Y647964	0.001	0.434	7.74	11.35		1150	1.93	0.198
Y647965					20x20x10 cm float on top of outcrop. Primarily sampled by mistake (thought as subcrop). The sample is a float of intrusion not representative of the area unless some dykes are present. Weakly sericite altered granodiorite, biotite only (5%), 10% free quartz (rounded crystals < 5 mm), possibly scheelite. The groundmass is medium grained, equigranular texture. No sulphide observed, non-magnetic rock (reduced?). Sample to test lithology since dykes could occur in the area.	Y647965	0.001	0.05	7.55	3.54		1310	1.78	0.011
Y647966					2x1 m outcrop. Similar alteration than Y647053 with minor sulphide content. Bleaching around vein also along bedding, and pale green colour associated with calcite (10% overall). Rare arsenopyrite (<2%) and limonite in fracture. Selective sample to test alteration over mineralization and mineralogy.	Y647966	0.001	0.09	7.51	19.5		880	2.38	0.061
Y647967	scorodite	5	pyrite	2	4x1 m outcrop discovered in 2021 and hand tool exposed in 2022. The rock show strong scorodite-pale yellow alteration. The sample consists of decomposed massive arsenopyrite (powdery) collected in narrow fault. Selective sample to test arsenopyrite-gold associated (try to confirm the correlation high arsenic-high gold grade). Small sample (weight) but more arsenopyrite could easily be collected - leave some material on outcrop for property visit and additional sampling.	Y647967	0.219	5.57	1.04	10000		89	0.12	2.59
Y647968	chalcopyrite	0.1			3x2 m outcrop, rusty patina, fractured. Grey, fine grained, calcareous (fizzes when scratched), very hard, calc-silicate. Weakly mineralized patchy medium grained pyrrhotite-minor chalcopyrite-possibly trace arsenopyrite (grey sulphide unidentified).	Y647968	0.001	1.21	4.41	18.55		2220	1.05	0.4
Y647969	pyrrhotite	2	chalcopyrite	0.5	Outcrop. Light grey, fine grained, very hard, calc-silicate. Lots of rust on fracture, 2-3% calcite. 3-5% sphalerite, 2% pyrrhotite, 0.5% chalcopyrite, trace arsenopyrite. Some pyrite in thin veinlets, crystalline texture, irregular, stockwork-like texture or fracture filling.	Y647969	0.001	1.09	4.3	1185		820	1.45	1.635
Y647970					Outcrop. Rusty patina, irregular fractures with patchy bleaching-sucrosic beds with radiating minerals (altered limy beds - wollastonite?). The sample consists of bleached material with moderate to strong oxidation in fracture, trace fresh arsenopyrite and quartz fragments. Pervasive clay-sericite alteration.	Y647970	0.001	2.49	1.9	321		520	1.05	2.78

Station	Ca_pct	d_ppi	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Lu_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
Y647962	6.24	0.03	60.8	12.25	68.4	8.67	20.8	3.37	20.6	0.13	1.86		0.041	1.53	36	37.5		2.15	697	0.55	0.373	12.6	25.6	0.025	6.69
Y647963	6.99	0.01	79.4	16.25	83.8	9.97	23.1	4.08	24	0.17	1.975		0.065	3.8	46.2	33.4		2.05	570	0.48	0.723	15.1	29.6	0.051	13.5
Y647964	5.06	0.01	67	7.81	74.4	13.45	30.1	2.83	23.1	0.13	1.93		0.044	2.01	38.1	66.5		2.05	475	0.42	0.721	14.05	14.35	0.04	6.42
Y647965	2.37	0.55	71.7	10.25	18	5.3	9.15	3.88	18.55	0.14	2.07		0.056	2.61	35.5	40.6		0.89	665	0.75	1.69	11.95	6.68	0.056	20.1
Y647966	9.96	0.03	73.3	12.1	67.9	7.11	26.6	5.17	20	0.15	2.11		0.078	2.53	41	34.6		1.67	1365	0.45	0.362	15.15	26.6	0.035	4.29
Y647967	0.13	0.01	33.7	7.25	15.3	3.48	206	13.5	4.74	0.16	0.349		0.075	0.38	16.2	29.5		0.69	696	0.49	0.033	2.48	3.23	0.009	5.53
Y647968	8.25	4.42	57.4	6.42	68.4	5.57	100.5	2.1	11.85	0.16	1.98		0.109	2.9	35.2	20.7		2.18	419	1.81	0.327	10.4	37.4	0.131	7.23
Y647969	7.48	12.7	43.8	6.22	73.9	3.91	145	2.22	15.25	0.15	1.755		0.191	1.16	28	62.8		2.54	631	1.95	0.324	9.29	47.9	0.132	24.7
Y647970	10.9	0.34	6.98	4.56	35.9	3.58	234	3.13	7.5	0.15	0.831		0.023	1.02	2.69	38.5		6.5	735	1.33	0.088	4.55	6.06	0.035	77.5

Station	Rb_ppm	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Tb_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Yb_ppm	Zn_ppm	Zr_ppm	Certificate
Y647962	87	0.0011	1.47	2.14	11.35	3.42	9.04	238	0.84		0.102	10.75	0.321	1.03	1.48	51.8	1.575	13.8		37.7	67.1	WH23204417
Y647963	130	0.0009	0.84	2.4	14.7	0.622	10.35	276	1.05		0.053	11.65	0.37	1.475	1.98	65.3	1.395	18.35		64.5	64.9	WH23204417
Y647964	84.5	0.0004	0.47	2.44	12.85	0.507	6.42	263	1		0.069	11.45	0.371	1.26	1.66	62.8	1.39	14.85		43.6	66.9	WH23204417
Y647965	122	0.0004	0.01	0.44	17.8	0.037	2.31	186.5	0.97		0.005	14.6	0.38	0.641	3.4	76.9	1.045	24.9		77.6	56.9	WH23204417
Y647966	115.5	0.0004	0.14	10.2	12.3	0.108	4.29	383	1.01		0.038	11.8	0.346	0.574	1.71	62.4	1.38	19.55		44.2	74.9	WH23204417
Y647967	22.8	0.0004	9.26	45	5.67	4.75	2.84	8.02	0.15		0.731	2.21	0.059	0.53	0.3	11.6	0.759	13.4		19.2	12.4	WH23204417
Y647968	111.5	0.0099	0.74	2.78	8.75	12.5	12.65	334	0.68		0.058	7.04	0.329	0.994	2.92	79.7	1.2	36.1		275	77	WH23236784
Y647969	54.1	0.0113	0.59	2.87	9.97	12.9	23.5	256	0.59		0.065	6.42	0.283	0.456	3.02	120	10	29.2		556	68.9	WH23236784
Y647970	44.7	0.0063	0.16	1.4	5.84	27.6	26.3	60.3	0.3		0.068	3.17	0.151	0.387	1.34	53.7	0.509	16.5		66.4	33.5	WH23236784

Station	Date	Time	Coord_Syst	East	North	Elev	m	Sampler	Type	Type2	Structure_	Strike-Dip	Strike	Dip	Lithology	Min1	Min1Per
Y647971	8/14/2023	not recorded	NAD83_UTM_Z8N	512917.577	6973742.868	1204.07959	m	Jerome de Pasquale	rock	float					argillite	pyrrhotite	2
Y647972	8/14/2023	not recorded	NAD83_UTM_Z8N	512856.583	6973675.332	1187.744507	m	Jerome de Pasquale	rock	float					semi-massive sulphide	pyrrhotite	10
Y647973	8/14/2023	not recorded	NAD83_UTM_Z8N	512892.048	6973667.784	1170.61792	m	Jerome de Pasquale	rock	grab					argillite	pyrrhotite	2
Y647974	8/14/2023	not recorded	NAD83_UTM_Z8N	512885.192	6973665.751	1167.751465	m	Jerome de Pasquale	rock	grab					limestone	pyrrhotite	10
Y647975	8/14/2023	not recorded	NAD83_UTM_Z8N	512901.13	6973685.201	1197.517822	m	Jerome de Pasquale	rock	grab composite	vein		30	86	argillite		
Y647976	8/15/2023	not recorded	NAD83_UTM_Z8N	513443.378	6974030.658	1530.745483	m	Jerome de Pasquale	rock	grab composite	shearing		124	75	quartzite	pyrrhotite	3
Y647977	8/17/2023	not recorded	NAD83_UTM_Z8N	513694.852	6973094.576	1705.370117	m	Jerome de Pasquale	rock	grab composite					calc-silicate	pyrite	0.1
Y647978	8/17/2023	not recorded	NAD83_UTM_Z8N	513741.622	6973024.357	1730.457275	m	Jerome de Pasquale	rock	float					calc-silicate	pyrrhotite	30
Y647979	8/17/2023	not recorded	NAD83_UTM_Z8N	513702.389	6973225.522	1639.904785	m	Jerome de Pasquale	rock	chip	bedding		120	75	semi-massive sulphide	pyrrhotite	20

Station	Min2	Min2Per	Min3	Min3Per	Description	Sample	Au_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm
Y647971					Float collected at the base of a stump - dead fall. 10x10x10 cm, rusty, black argillite (not fissile) with 1-2% pyrrhotite, limonite in fracture, 5% quartz fragments and 1% euhedral (diagenetic?) pyrite. Other float in the area show coarse grained sandstone with chert fragments (similar to outcrop mapped on the top of the ridge whilst collecting soil sample (Mizar northern ridge).	Y647971	0.004	2.47	4.33	343		2200	1.33	0.139
Y647972	sphalerite	5	galena	1	60x60x60 cm rusty boulder similar that Mizar showing. Heavily disseminated to semi massive sulphide containing 10% pyrrhotite, 3-5% black-brown sphalerite, 1% galena and trace arsenopyrite. 5% calcite overall and quartz fragments though as disrupted veins. All the boulder is mineralized and the source must be from the Mizar showing. Host rock suggests dirty limestone - 30% calcite. Sampled 30cm across.	Y647972	0.126	1160	3.53	1295		240	0.93	1890
Y647973	unknown sulphide	0.5	chalcopyrite	0.1	20 m outcrop in the canyon-creek bed, southern side. Rusty fine grained, black argillite with 2% fine grained disseminated pyrrhotite and some grey sulphide-powdery texture. Yellow-brown staining on fracture surface, thin quartz veinlets crosscutting bedding. Trace pyrite-chalcopyrite in rusty quartz veinlets (up to 4mm wide). Some limy-oxidized beds along the outcrop.	Y647973	0.002	1.08	7.46	67.8		2020	1.25	1.345
Y647974	unknown sulphide	2			Outcrop along creek, southern side. 5x1 m exposure. Grey, medium grained, homogeneous, 10% sulphide, pyrrhotite dominant (disseminated and veinlets), 10% blebby calcite. Some very fine grained sulphide difficult to identify-could be dark/black quartz mixed with sulphides. The rock in strongly silicified. Adjacent outcrop consists of carbonaceous argillite (conductive rock).	Y647974	0.004	4.01	5.41	8.15		620	3.29	3.12
Y647975					15x8 m outcrop in the continuity of the Mizar showing (located 10 to 15 m to the east). Selective sample of thin quartz veinlets, silicified argillite hosted. Low vein density, 1-3 mm thick. No fresh sulphide observed. He sample contains 70-80% of host rock. Collected to test veining.	Y647975	0.005	1.58	4.74	28.1		1670	1.69	0.305
Y647976	pyrite	1	chalcopyrite	0.1	Outcrop along ridge. Sample along structure subparallel to bedding. Similar lithology that JDP23 20. Locally bleached, commonly light grey, medium grained quartzite. Mineralized pyrrhotite-pyrite-chalcopyrite and possibly trace arsenopyrite (grey sulphide). The outcrop is strongly silicified and irregularly fractured with some altered limy beds showing radiating mineral (more likely tremolite).	Y647976	0.001	1.02	3.65	297		1450	1.18	0.444
Y647977					Composite sample consists of rock collected from calc-silicate float averaging 40x30x20 cm in talus. Follow-up of gold-in-soil collected by LaLiga in 2012. Selective sample of quartz vein quartzite hosted, no fresh sulphide observed-trace oxidized pyrite (maybe some bismuthinite in one of the selective piece of rock). Collected to test quartz veining, host rock dominantly sampled.	Y647977	0.008	0.244	4.91	29.8		1070	1.34	8.25
Y647978	chalcopyrite	3	arsenopyrite	0.1	30x30x20 cm float in calc-silicate talus slope. Only one rock of that nature observed in the are (selective sample). Massive sulphide, banded, stratabound, mineralized pyrrhotite dominant, chalcopyrite-sphalerite-trace arsenopyrite. The sample contains 20-30% host rock. Sulphidic staining is observed on outcrop on the edge of the cliff to the west.	Y647978	0.263	2.42	6.62	2.03		240	1.91	187
Y647979	chalcopyrite	2	sphalerite	2	4x1.5 m outcrop of heavily mineralized to massive sulphide above the Main showing (or part of the Main showing), brown-purple patina. 1.2 m chip sampling. Massive sulphide shows dark green matrix (probably diopside-chlorite), up to 80% sulphide, 5 to 20 cm in thickness (2 massive sulphide layers, the massive sulphide bed in the footwall contains is chalcopyrite rich compared to the hanging wall). The host rock consists of grey quartz averaging 2-3% disseminated sulphide overall.	Y647979	0.588	2.43	4.08	10.25		105	1.43	206

Station	Ca_pct	d_ppi	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Lu_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
Y647971	1.71	4.11	35.2	9.68	72.7	8.19	70.9	1.81	12.15	0.14	2.15		0.083	1.86	17.35	58.3		1.39	280	2.41	0.427	7.26	30.2	0.045	9.21
Y647972	4.67	248	85.6	12.25	108	3.35	207	6.01	11.9	1.53	1.69		5.26	1.04	72.7	65.6		2.43	1550	131.5	0.232	8.15	61.4	0.102	24740
Y647973	0.53	1.38	52.2	16.05	39.1	30.4	63.6	3.3	17.95	0.11	1.58		0.074	3.64	19.2	100.5		1.35	1795	1.82	0.237	8.53	31.5	0.117	21.6
Y647974	6.11	1.19	56.7	8.59	368	7.98	158	3.72	24.4	0.22	4.08		0.025	2.98	42.3	22.6		3.54	973	7.57	0.391	11.55	57.6	0.296	55.5
Y647975	1.29	1.15	36.3	7.27	56.4	18.4	66.2	3.92	12.3	0.15	1.76		0.021	2.82	18	38.8		0.56	265	17	0.103	7.36	31.6	0.041	17.4
Y647976	4.55	0.12	25.7	6.76	117.5	9.89	155	2.53	10.55	0.14	2.34		0.013	2	12.95	34		2.54	484	12.6	0.278	8.36	55.2	0.082	9.87
Y647977	3.98	1.88	74.9	3.46	89.6	7.4	56.9	1.28	10.95	0.15	2.06		0.016	1.68	39.3	36.6		1.65	300	2.48	0.172	10.05	46.6	0.178	9.01
Y647978	5.35	320	68.3	22.9	63.2	3.53	1090	8.72	20.9	0.32	1.515		5.66	1.54	37.4	29.3		0.86	698	0.55	0.514	11.7	36.7	0.037	9.14
Y647979	4.81	34.9	48.5	22.9	64.3	5.63	1350	11.75	12	0.52	1.64		2.21	0.03	26.4	18.8		0.5	962	2.52	0.061	9.72	32.6	0.044	3.85

Station	Rb_ppm	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Tb_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Yb_ppm	Zn_ppm	Zr_ppm	Certificate
Y647971	83.3	0.0037	0.61	6.4	13.5	18.35	2.72	229	0.44		0.087	5.43	0.253	2.09	2.05	116.5	0.942	20.4		239	79.2	WH23236784
Y647972	61.6	0.077	4.36	418	7.94	700	93.3	151	0.55		59.1	5.75	0.278	2.91	9.58	470	6.67	34.1		21200	65.8	WH23236784
Y647973	214	0.0055	1.14	5.71	17.5	2.6	2.75	52.5	0.48		0.178	5.9	0.348	3.79	1.17	102.5	1.365	17.85		120.5	61.9	WH23236784
Y647974	141	0.0271	1.88	11.3	30.7	28.1	8.89	287	0.76		0.218	8.58	0.381	1.45	11.7	238	0.944	53.7		116	171.5	WH23236784
Y647975	148	0.0033	0.24	17.35	13.65	24	4.84	196	0.47		0.074	5.67	0.26	2.43	5.15	136.5	1.635	15.2		235	66.9	WH23236784
Y647976	86.7	0.0714	0.58	2.08	13.8	23.1	9.09	177.5	0.53		0.058	5.79	0.272	0.714	4.73	166	1.505	28.1		25.9	94	WH23236784
Y647977	86.9	0.0083	0.15	2.6	5.95	2.39	8.21	248	0.65		0.253	10.7	0.258	0.634	3.56	267	33.3	26.4		142	80.2	WH23236784
Y647978	59.8	0.0088	5.32	3.66	11	75.3	14.65	299	0.81		2.92	12.3	0.315	0.432	1.63	66.5	450	15.85		23100	53.5	WH23236784
Y647979	2.18	0.0151	6.32	1.1	6.44	162	12.2	129	0.61		8.26	7.17	0.233	0.019	3.44	233	770	21.2		1110	60.8	WH23236784

Station	Date	Time	Coord_Syst	East	North	Elev	m	Sampler	Type	Type2	Structure_	Strike-Dip	Strike	Dip	Lithology	Min1	Min1Per
Y647980	8/17/2023	not recorded	NAD83_UTM_Z8N	513825.136	6973741.563	1679.187744	m	Jerome de Pasquale	rock	chip	fault		105	90	semi-massive sulphide	pyrrhotite	10
Y647981	8/15/2023	not recorded	NAD83_UTM_Z8N	513454.282	6974110.923	1500.632812	m	Jerome de Pasquale	rock	grab composite	bedding		200	50	quartzite	pyrrhotite	1
Y647982	8/15/2023	not recorded	NAD83_UTM_Z8N	513453.168	6974109.804	1501.044434	m	Jerome de Pasquale	rock	grab composite					quartzite	pyrrhotite	3
Y647983	8/15/2023	not recorded	NAD83_UTM_Z8N	513544.473	6974119.54	1482.411987	m	Jerome de Pasquale	rock	float					quartzite	arsenopyrite	0.1
Y647984	8/15/2023	not recorded	NAD83_UTM_Z8N	513686.849	6974083.922	1480.905029	m	Jerome de Pasquale	rock	grab	bedding		100	56	siltstone	pyrrhotite	10
Y647985	8/15/2023	not recorded	NAD83_UTM_Z8N	513737.45	6974102.852	1466.451538	m	Jerome de Pasquale	rock	grab composite					siltstone	pyrrhotite	10
Y647986	8/16/2023	not recorded	NAD83_UTM_Z8N	513729.66	6973802.997	1613.807861	m	Jerome de Pasquale	rock	grab					skarn	pyrite	5

Station	Min2	Min2Per	Min3	Min3Per	Description	Sample	Au_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm
Y647980	arsenopyrite	2	chalcopyrite	1	3x2 m outcrop of semi massive sulphide pod or structure controlled mineralization. Pyrrhotite dominant (10%)-arsenopyrite-chalcopyrite-probably pyrite with a medium grained, dark green matrix with silicification all around. One 1-2 cm quartz vein, subhorizontal, crosscutting the semi massive sulphide (quartz vein post sulphide). The host rock is quartzite showing rusty fracture coating. 2 m across chip sample, one piece of crosscutting quartz vein added in the bag.	Y647980	0.101	1.835	2.08	2020		35	27	170.5
Y647981	chalcopyrite	0.1			Sample collected within decomposed bed, 2 m estimated minimum thickness. The sample contains 10% of mineralized-unaltered quartzite. Rusty weathering, limonite rich with vuggy-coarse grained quartz vein in decomposed material. The rock shows similarities with the Inform Silver showing . No fresh sulphide observed in the altered-bleached material.	Y647981	0.003	1.57	4.06	63.4		1440	0.81	1.17
Y647982	chalcopyrite	0.5	arsenopyrite	0.1	Sample from the same outcrop that Y647981 but selectively collected to test fresh sulphide. A dark grey sulphide unidentified (1%).	Y647982	0.002	1.735	5.23	91.6		2050	0.93	0.842
Y647983	unknown sulphide	0.1			50x50x40 cm angular float showing one crosscutting veinlet (4 mm), straight line containing trace sulphide. Banded and coarse grained , the vein does not show the usual sucrosic texture observed in the veins sample on the northern ridge of the property. The sample consists of 80-90% host rock.	Y647983	0.001	0.74	4.73	6.76		1810	1.49	0.699
Y647984	sphalerite	3	chalcopyrite	1	3x1.5 m outcrop. Heavily mineralized quarzitic-skarny sandstone mineralized pyrrhotite dominant-sphalerite-chalcopyrite. Some altered limy beds (not sampled, radiating minerals/tremolite) and remnant quartz crystals. Abundant manganese oxides on fracture surface. The adjacent rock shows over 20% sulphide (pyrrhotite).	Y647984	1.22	18.2	2.8	62.5		55	1.09	1030
Y647985	chalcopyrite	1	sphalerite	1	Over 10 m large outcrop, rusty patina. Locally mineralized pyrrhotite dominant-chalcopyrite-black/brown sphalerite within skarny looking rock. The host rock consists of grey-silicified siltstone with disseminated pyrrhotite and trace chalcopyrite. Recrystalized quartz, 5 to 10% limonite or other iron oxides.	Y647985	0.005	2.47	1.75	63.3		60	0.51	3.81
Y647986	sphalerite	2	arsenopyrite	0.1	50-60 cm altered limy bed containing over 10% sulphides including pyrite-sphalerite-trace arsenopyrite. 30% remnant calcite and 5% quartz fragments.	Y647986	0.002	0.662	2.83	3230		73	5.88	2.69

Station	Ca_pct	d_ppı	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Lu_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
Y647980	12.5	26.9	14.4	7.85	66.4	0.92	593	13.05	13.1	0.17	0.705		3.14	0.02	11.7	34.3		1.53	9140	19.55	0.038	4.07	39.9	0.097	4.6
Y647981	3.62	0.34	39.5	3.96	72.2	11	158.5	3.25	10.9	0.15	1.79		0.013	3.94	19.4	41.2		2.05	402	113.5	0.19	9.54	61.1	0.073	34.5
Y647982	4.24	0.6	99.2	7.28	76.1	13.55	314	4.04	15.45	0.21	2.55		0.011	4.23	63	40.5		2.22	437	120	0.247	12.5	57.4	0.086	27
Y647983	5.74	0.08	37.8	7.17	101	5.98	69.5	1.65	12.9	0.13	2.49		0.047	3.82	19.2	33.4		2.75	434	13.6	0.386	10.9	68.3	0.098	9.18
Y647984	7.19	586	34	8.01	85.9	3.16	634	9.03	13.7	0.71	1.39		5.81	0.38	17.85	25.3		2.68	2920	16.2	0.08	6.61	57.4	0.267	327
Y647985	7.21	1.5	7.34	14	30.6	2.65	632	8.05	7.23	0.28	0.692		0.033	1.36	2.9	38.5		4.26	787	7.83	0.092	3.3	53.2	0.059	14.95
Y647986	12.7	430	29.7	6.41	34.3	45.2	254	6.75	12.05	0.19	0.768		8.84	0.58	19.6	168.5		3.75	3990	3.16	0.194	4.18	24.3	0.093	11.85

Station	Rb_ppm	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Tb_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Yb_ppm	Zn_ppm	Zr_ppm	Certificate
Y647980	1.3	0.0498	1.45	33.7	5.52	29	211	61.5	0.28		1.6	2.76	0.138	0.019	4.75	255	2860	27.2		1015	23.9	WH23236784
Y647981	194	0.0507	0.58	8.93	6.91	19.35	11	143	0.65		0.072	4.9	0.309	1.495	4.51	542	9.51	28		33.1	72.5	WH23236784
Y647982	222	0.0743	0.62	4.33	9.82	28.6	15.55	197.5	0.82		0.058	8.39	0.396	1.9	5.12	464	15	33.9		37.5	105.5	WH23236784
Y647983	159.5	0.0646	0.55	3.14	13.05	12.85	13.7	254	0.68		0.064	6.91	0.325	1.425	5.28	159	650	38.2		34.2	99	WH23236784
Y647984	14.95	0.0524	5.46	9.94	7.09	240	16.65	167	0.46		79.4	4.89	0.219	0.182	5.25	331	1660	35.4		27300	59.9	WH23236784
Y647985	57.3	0.0088	3.58	2.61	3.53	83.8	8.1	74.2	0.23		0.281	1.98	0.106	0.59	1.34	71.3	5.48	12.55		108.5	28.8	WH23236784
Y647986	113	0.0106	2.02	4.69	5.09	46.5	90.8	201	0.27		0.223	2.89	0.121	0.99	3.78	395	8.07	21.8		13950	29.2	WH23236784

APPENDIX C

Soil and Stream Sediment Sample Descriptions

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Analytical Results

Station	Date	Time	Grid	Datum	Zone	V	Easting	Northing	Elev_m	Sampler	Type	Horizon	Depth_cm	Color	Moisture	Slope	Aspect	Quality
M895902	7/16/2023	not recorded	UTM	NAD83	8	V	516763.41	6971299.22	1145.35	Jerome de Pasquale	soil	B	5	brown		steep		medium
M895907	7/18/2023	not recorded	UTM	NAD83	8	V	516082.86	6971700.81	1455.33	Jerome de Pasquale	soil	B	40	brown		flat		medium
M895908	7/18/2023	not recorded	UTM	NAD83	8	V	516114.23	6971745.75	1389	Jerome de Pasquale	soil	B	60	brown		gentle		medium
M895909	7/18/2023	not recorded	UTM	NAD83	8	V	516144.16	6971791.58	1393.16	Jerome de Pasquale	soil	B	40	brown		flat		good
M895910	7/18/2023	not recorded	UTM	NAD83	8	V	516178.98	6971829.08	1393.46	Jerome de Pasquale	soil	C	60	brown		flat		good
M895911	7/18/2023	not recorded	UTM	NAD83	8	V	516218.19	6971860.35	1401.24	Jerome de Pasquale	soil	C	30	brown		flat		good
M895912	7/18/2023	not recorded	UTM	NAD83	8	V	516253.93	6971896.19	1411.92	Jerome de Pasquale	soil	C	100	grey		gentle		good
M895913	7/18/2023	not recorded	UTM	NAD83	8	V	516296.59	6971920.69	1409.54	Jerome de Pasquale	soil	C	35	brown		gentle		medium
M895914	7/18/2023	not recorded	UTM	NAD83	8	V	516331.32	6971952.06	1412.99	Jerome de Pasquale	soil	C	40	brown		gentle		low
M895915	7/18/2023	not recorded	UTM	NAD83	8	V	516353.21	6971999.74	1411.69	Jerome de Pasquale	soil	C	50	brown		gentle		medium
M895916	7/18/2023	not recorded	UTM	NAD83	8	V	516386.7	6972037.45	1422.12	Jerome de Pasquale	soil	C	40	brown		flat		good
M895917	7/18/2023	not recorded	UTM	NAD83	8	V	516409.72	6972081.25	1409.49	Jerome de Pasquale	soil	C	35	brown		flat		medium
M895918	7/18/2023	not recorded	UTM	NAD83	8	V	516405.6	6972141.95	1409.18	Jerome de Pasquale	soil	C	40	brown		gentle		medium
M895919	8/15/2023	not recorded	UTM	NAD83	8	V	513499.792	6974119.355	1488	Jerome de Pasquale	soil	B	30	brown		moderate		medium
W425955	8/13/2023	2:17:43PM	UTM	NAD83	8	V	513510	6974012	1574	Roger Hulstein	soil	talus fines	20	brown		steep		good
W425956	8/14/2023	8:49:58AM	UTM	NAD83	8	V	512929	6973750	1215	Roger Hulstein	soil	B	30	grey		moderate	west	good
W425957	8/15/2023	8:39:51AM	UTM	NAD83	8	V	513473	6974061	1543	Roger Hulstein	soil	talus fines	20	brown		steep	north	good
W425958	8/15/2023	10:19:54AM	UTM	NAD83	8	V	513437	6974120	1503	Roger Hulstein	soil	talus fines	20	brown		steep	north	good
W425959	8/15/2023	12:04:41PM	UTM	NAD83	8	V	513549	6974130	1480	Roger Hulstein	soil	talus fines	10	brown		steep	north	good
W425960	8/15/2023	10:39:09AM	UTM	NAD83	8	V	513421	6974097	1497	Roger Hulstein	soil	B	15	brown		steep	north	good
W425961	8/15/2023	12:19:24PM	UTM	NAD83	8	V	513610	6974138	1481	Roger Hulstein	soil	talus fines	20	brown		steep	north	good

Station	Description	SAMPLE	AuME_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca_pct	Cd_ppm	Ce_ppm	Co_ppm
M895902	Brown-rusty dust collected from rusty outcrop to test mineralization in fracture. Sandy-silty texture with probably a fraction of decomposed wood (very light brown material). Should be considered as fracture-fault gouge. NSS Sample	M895902	0	0	0	0	0	0	0	0	0	0	0	0
M895907	Brown, sandy, 20% subangular clasts consisting od mostly argillite fragments up to 2 cm. From surface, 10 cm ashes and 20 cm of loess. Rocky at depth. Small depression 10 m north of the sample (structure or lithology contact?).	M895907	0.002	0.06	1.32	17.1	10	180	0.55	0.2	0.14	0.52	31.9	11.4
M895908	Brown, sandy, 30 to 40% subangular clasts consisting of argillite fragments.	M895908	0.004	0.31	1.84	106.5	10	300	0.8	0.24	0.21	0.69	34.5	13.3
M895909	Brown to grey, sandy, 25% of angular argillite fragments. Mixed B and C horizon.	M895909	0.003	0.24	3.41	93.1	10	390	1.21	0.22	0.31	0.58	30.3	15.1
M895910	Brown, sandy, 20% angular argillite and chert fragments, same very fine grained pyrite in clasts, trace oxidation.	M895910	0.004	0.24	1.92	102.5	10	700	0.89	0.19	0.42	0.75	25	10.4
M895911	Brown to grey, sandy, 15% of angular argillite clasts and some rusty pebbles. Trace oxidation. Pebble with trace quartz-arsenopyrite and rusty dots.	M895911	0.004	0.1	2.78	203	10	370	1.12	0.21	0.24	0.57	28.7	14.9
M895912	Grey to brown, sandy, 20% of angular argillite fragments. Some oxidized pebbles, decomposed, quartz veinlets in clasts, occasionally rusty.	M895912	0.005	0.52	3.41	239	10	1210	1.27	0.26	0.58	1.83	25.4	14.2
M895913	Brown to grey, sandy, 10% angular argillite fragments. Homogeneous clasts size (0.5 cm), smaller clasts than other soil samples collected in the area.	M895913	0.003	0.21	0.85	15.4	10	610	0.62	0.17	0.13	0.74	30.3	11.3
M895914	Brown, sandy, 10% angular clasts and rounded pebble (till). The sample is polluted by glacio-transported material mixed with C horizon. Some clasts with quartz veinlets.	M895914	0.002	0.24	1.23	33.4	10	380	0.66	0.18	0.15	0.99	31.3	10.4
M895915	Brown, sandy, 15% of angular argillite clasts and some rounded intrusive pebbles (till). Mixed C horizon and glacio-transported material. Argillite clasts with quartz veinlets and rust. No fresh sulphide observed.	M895915	0.002	0.07	1.5	31.9	10	210	0.64	0.78	0.12	0.45	33.3	12.2
M895916	Brown, sandy, 10% angular argillite and chert fragments, some MnOx veinlets. 5 metres from mineralized outcrop (proximal to samples Y647963-Y647964). Rare quartz veinlets in fragments.	M895916	0.003	0.07	1.16	14.6	10	210	0.55	0.18	0.15	0.4	34.2	9.4
M895917	Brown, sandy, 25% of angular and subangular argillite dominant fragments. Some oxidized argillite with oxidation in veinlets. One clast with 30% pyrite and possibly arsenopyrite.	M895917	0.003	0.09	1.24	14.3	10	170	0.56	0.19	0.12	0.53	30.6	11.5
M895918	Brown, sandy, 20% of angular argillite clasts. Good sample but washed by strong rain. No good observation of the clasts possible.	M895918	0.003	0.51	2.33	217	10	510	1.01	1.91	0.29	1.77	29.1	14
M895919	Dark brown, sandy, moist, 20% angular clasts. Collected in between rocks (paleo-talus), colluvium. May contain a fraction of organic material (<10%).	M895919	0.006	3.92	1.67	799	10	50	0.8	2.31	1.87	4.28	6.34	14.4
W425955	Collected over 20 m on north side below ridge of hornfelsed quartzite - calc-silicate (very weak fizz) outcrop.	W425955	0.006	7.75	1.62	1390	10	30	0.72	10.4	6.34	56.9	6.75	17.3
W425956	Collected from upturned tree, rounded pebbles of quartzite, sandstone, siltstone and one piece of possible weathered out sulfides.	W425956	0.007	2.46	2.11	177.5	10	350	0.91	1.2	0.7	3.19	9.92	10.6
W425957	Scree slope, sandy, pebbles, float of quartz - siltstone, orange - white oxidized float.	W425957	0.004	5.05	1.45	1790	10	70	0.82	2.9	0.32	5.73	8.58	13
W425958	On ridge spur, scree and outcrop above of dark grey weathering dark grey sulfidic shale -argillite, siltstone crosscut by occasional quartz veinlets, vugs +/- poo, pyrite, arsenopyrite.	W425958	0.005	3.17	2.43	227	10	120	1.07	1.57	0.65	4.93	7.88	15
W425959	Little catchment on scree slope, sandy, muddy. Float of blocky quartzite, trace diss chalcopyrite, white rare quartz veining.	W425959	0.004	3.42	1.62	789	10	50	0.61	5.11	1.31	8.73	7.74	10.6
W425960	Sandy-silt soil, scree of rusty weathering argillite, hornfels, shale. Nearby shale outcrop.	W425960	0.008	4.51	3.01	228	10	60	1.09	2	1.16	8.8	8.93	17.8
W425961	Sandy-silt, blocky quartzite float.	W425961	0.01	10.35	2.18	492	10	80	0.73	25.7	0.93	19.15	12.5	13.6

Station	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nn_ppm	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm
M895902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M895907	21	0.94	27.8	2.62	3.51	0.05	0.04	0.04	0.026	0.06	15.1	13.4	0.34	537	1.86	0.01	0.59	31.7	770	15.4	8.2
M895908	27	2.17	41.8	2.8	4.99	0.05	0.05	0.07	0.032	0.1	16.1	17.4	0.42	580	2.55	0.01	0.68	41.8	780	17.2	13.4
M895909	40	4.76	34.7	3.21	9.67	0.06	0.09	0.05	0.032	0.18	14.3	33.9	0.81	436	1.65	0.03	1.47	40.6	580	14.3	22.8
M895910	27	3.59	49	2.78	5.75	0.06	0.04	0.12	0.032	0.14	12.8	23.9	0.57	423	2.04	0.03	0.44	36.8	690	14.6	14.6
M895911	35	3.94	38.3	3.21	7.69	0.05	0.13	0.06	0.033	0.11	14	29.3	0.66	446	2.31	0.01	1.6	45.1	750	17.5	16.4
M895912	38	6.4	82	3.86	9.65	0.07	0.17	0.17	0.055	0.22	13.2	34.3	0.7	529	2.77	0.06	0.46	48.6	740	22.2	22.4
M895913	15	0.68	36.2	2.14	2.17	0.05	0.02	0.06	0.032	0.07	14.7	8	0.16	381	3.23	0.01	0.24	28.7	770	26.3	7.2
M895914	21	1.18	35.6	2.49	3.43	0.05	0.02	0.05	0.031	0.08	15	12.2	0.29	533	2.58	0.01	0.45	34	760	24.3	9.1
M895915	27	1.6	24.4	2.69	4.83	0.05	0.02	0.04	0.03	0.08	16.2	16.4	0.4	491	2.07	0.01	0.47	32.5	550	17.9	12
M895916	23	0.94	23.3	2.29	3.04	0.05	0.02	0.04	0.023	0.05	15.5	11.2	0.34	395	1.56	0.01	0.45	28.4	600	26.1	9
M895917	24	1.08	24.2	2.46	3.36	0.05	0.02	0.05	0.025	0.06	14.6	12.4	0.35	494	1.74	0.01	0.56	26	540	15.3	9.9
M895918	30	3.01	50.8	3.33	6.49	0.05	0.09	0.05	0.028	0.08	14.6	20.3	0.46	415	2.81	0.01	0.52	51.7	780	30.1	9.5
M895919	10	2.8	293	4.56	4.72	0.05	0.03	0.07	0.053	0.02	3.3	10.7	0.17	427	7.76	0.06	0.14	73.6	1000	53.5	1.9
W425955	4	1.5	362	5.49	5.09	0.07	0.03	0.06	0.754	0.03	3.5	8.9	0.14	324	1.82	0.07	0.07	73.2	780	126.5	1.3
W425956	32	4.98	99	3.48	6.51	0.05	0.08	0.1	0.118	0.07	5.4	27.3	0.65	406	20.4	0.04	0.55	69.7	960	44.4	11.4
W425957	20	4.42	249	3.53	4.85	0.05	0.07	0.13	0.167	0.03	4.2	14.1	0.2	412	23.2	0.02	0.24	73	1090	69.3	3.4
W425958	12	4.41	157.5	4.44	6.5	0.09	0.05	0.24	0.094	0.06	4.1	11.3	0.23	561	11	0.02	0.3	68.2	1960	48.2	4.3
W425959	11	3.26	228	2.55	5.26	0.05	0.04	0.03	0.142	0.03	4	14.6	0.3	365	11.25	0.05	0.15	60.6	1020	58.4	2.3
W425960	7	2.77	189	4.57	5.27	0.06	0.03	0.11	0.153	0.03	4.5	9	0.16	391	4.77	0.05	0.21	75.8	990	70.5	2.3
W425961	12	3.36	125	2.86	7.15	0.06	0.03	0.12	0.318	0.05	5.8	8.4	0.16	352	5.67	0.03	0.26	79.7	930	936	4.1

Station	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Certificate
M895902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WH23204420
M895907	0.001	0.02	1.53	2.9	0.9	0.4	15.9	0.01	0.04	3.6	0.021	0.14	0.87	47	0.21	6.21	110	1.1	WH23204420
M895908	0.001	0.03	1.91	3.9	1.4	0.7	26	0.01	0.07	4.2	0.027	0.23	1.11	53	0.34	7.92	130	1.7	WH23204420
M895909	0.001	0.04	1.3	6	1.2	1	32.5	0.01	0.08	6.3	0.086	0.36	0.9	54	0.33	8.59	98	3.1	WH23204420
M895910	0.001	0.03	2.38	5.5	0.9	0.9	50.8	0.01	0.07	5.4	0.053	0.34	1.15	51	0.31	10.95	127	2	WH23204420
M895911	0.001	0.04	2.05	5.2	1.8	1.1	31.2	0.01	0.14	5.9	0.056	0.32	1.12	50	0.6	8.21	111	4.9	WH23204420
M895912	0.001	0.06	2.42	7.4	1.4	1.4	69.2	0.01	0.14	8	0.07	0.47	2.26	57	0.36	13.95	152	7.8	WH23204420
M895913	0.002	0.04	2.64	2.3	1.6	0.3	28.3	0.01	0.05	2.5	0.006	0.14	1.07	46	0.08	7.98	120	0.7	WH23204420
M895914	0.001	0.03	2.24	2.8	1.3	0.5	22.2	0.01	0.06	2.5	0.017	0.22	0.95	54	0.14	7.77	150	0.7	WH23204420
M895915	0.001	0.02	1.5	2.4	1.1	0.7	14.5	0.01	0.13	1.1	0.024	0.17	0.97	52	0.2	6.61	131	0.5	WH23204420
M895916	0.001	0.02	1.34	2.8	1.1	0.3	15.5	0.01	0.04	3.7	0.027	0.14	0.93	44	0.2	6.54	94	0.7	WH23204420
M895917	0.001	0.02	1.36	2.9	1	0.4	13.3	0.01	0.04	3.3	0.028	0.16	1	44	0.23	5.47	84	0.6	WH23204420
M895918	0.001	0.04	2.34	4.6	1.9	1.3	36.6	0.01	0.27	6	0.026	0.34	1.36	51	0.61	8.94	211	3.6	WH23204420
M895919	0.007	0.12	6.66	1	9.2	2	98	0.01	0.15	2.4	0.005	0.09	2.8	24	1.86	8.49	133	1.2	WH23236782
W425955	0.002	0.44	29.6	0.8	19.8	2.7	179.5	0.01	0.52	3.2	0.005	0.06	1	13	5.9	7.45	1515	0.8	WH23236782
W425956	0.003	0.06	25.7	2.9	5.9	1.4	79.8	0.01	0.23	2.5	0.018	0.31	3.07	86	0.74	6.91	464	3.1	WH23236782
W425957	0.004	0.11	4.85	1.6	11.9	6.2	27.6	0.01	0.17	2.2	0.008	0.1	4.1	49	8.29	6.21	237	2.6	WH23236782
W425958	0.002	0.14	12.45	1.2	24.9	2.2	89.8	0.01	0.23	3.8	0.011	0.12	3.06	21	4.3	4.84	242	2	WH23236782
W425959	0.009	0.05	8.96	1.1	6.2	5.3	135.5	0.01	0.27	2.7	0.005	0.05	2.7	30	6.47	6.98	371	1.6	WH23236782
W425960	0.004	0.12	11.4	1	12.2	3.5	58.4	0.01	0.14	4.9	0.007	0.08	3.05	11	1.8	5.55	397	1	WH23236782
W425961	0.004	0.07	5.94	1.1	9.8	2.8	116.5	0.01	0.88	2.9	0.009	0.11	3.53	19	1.42	5.62	983	1	WH23236782

Station	Date	Time	Grid	Datum	Zone	V	Easting	Northing	Elev_m	Sampler	Type	Horizon	Depth_cm	Color	Moisture	Slope	Aspect	Quality
W425962	8/15/2023	12:51:22PM	UTM	NAD83	8	V	513687	6974117	1461	Roger Hulstein	soil	B	15	brown		steep	north	good
W425963	8/15/2023	1:19:23PM	UTM	NAD83	8	V	513718	6974093	1463	Roger Hulstein	soil	talus fines	20	brown		steep	north	good
W425964	8/16/2023	9:53:12AM	UTM	NAD83	8	V	512662	6974128	1299	Roger Hulstein	soil	B	25	brown		moderate	west	good
W425965	8/16/2023	10:05:14AM	UTM	NAD83	8	V	512704	6974113	1313	Roger Hulstein	soil	C	25	grey-brown		moderate	west	good
W425966	8/16/2023	10:16:38AM	UTM	NAD83	8	V	512753	6974084	1309	Roger Hulstein	soil	B	25	light brown		moderate	west	good
W425967	8/16/2023	10:32:48AM	UTM	NAD83	8	V	512780	6974072	1310	Roger Hulstein	soil	C	20	brown		moderate	west	good
W425968	8/16/2023	10:43:26AM	UTM	NAD83	8	V	512835	6974054	1320	Roger Hulstein	soil	talus fines	20	grey		moderate	west	good
W425969	8/16/2023	11:10:06AM	UTM	NAD83	8	V	512886	6974052	1326	Roger Hulstein	soil	B	30	brown		moderate	west	good
W425970	8/16/2023	11:55:31AM	UTM	NAD83	8	V	512943	6974057	1341	Roger Hulstein	soil	C	20	grey		moderate	west	good
W425971	8/16/2023	12:02:17PM	UTM	NAD83	8	V	512994	6974056	1352	Roger Hulstein	soil	talus fines	20	grey		moderate	west	good
W425972	8/16/2023	12:11:10PM	UTM	NAD83	8	V	513048	6974052	1375	Roger Hulstein	soil	C	20	grey		moderate	west	good
W425973	8/16/2023	12:22:52PM	UTM	NAD83	8	V	513090	6974048	1390	Roger Hulstein	soil	C	35	grey		moderate	west	good

Station	Description	SAMPLE	AuME_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca_pct	Cd_ppm	Ce_ppm	Co_ppm
W425962	Sandy-silt, some humus. Float scree of quartzite, white quartz vein, occasional quartz veinlets, stringers and blebs of pyrite, pyrrhotite and chalcopyrite.	W425962	0.145	7.65	1.66	576	10	100	0.88	28.1	0.92	29.3	11.65	16.6
W425963	Sandy-silt, some loess or ash. In gully about 40 m below dark grey - brown outcrop of quartzite, scree of quartzite, minor shale - argillite.	W425963	0.007	3.02	1.62	706	10	130	0.84	10.4	0.6	7.18	14.05	12.1
W425964	Minor iron oxide, angular pebbles, on bedrock of argillite - argillite.	W425964	0.001	0.65	1.66	41.9	10	160	1.04	0.17	0.52	0.73	7.9	8
W425965	Shaley pebbles, sandy - silt, near outcrop.	W425965	0.006	3.7	3.73	80.2	10	150	2.32	0.22	1.74	7.64	23.6	20.1
W425966	Till, rounded exotic pebbles, clayey, below ash layer.	W425966	0.003	0.25	1.17	16	10	480	0.7	0.17	0.19	1.07	17.3	11
W425967	Decomposed sandstone - conglomerate.	W425967	0.001	0.67	0.6	7.6	10	370	0.76	0.1	0.15	1.29	18.65	9.1
W425968	Shaley - sandy soil and scree, float of chert pebble conglomerate.	W425968	0.006	2.16	2.13	42.9	10	340	1.24	0.21	1.94	1.92	20.6	16.6
W425969	Clayey till, exotic pebbles and float. Sandstone - conglomerate outcrop nearby.	W425969	0.004	0.49	1.31	15	10	550	0.75	0.16	0.2	0.81	19.7	12.2
W425970	Below grey sheared argillite - shale outcrop. Rocky, sandy - pebbles of same. Coarse sample.	W425970	0.007	7.25	4.27	127	10	160	2.25	0.33	0.29	23.5	12.15	35.9
W425971	Clay - silty - sandstone, mixture of till, scree pebbles etc. and float.	W425971	0.003	0.65	1.24	32.1	10	520	0.63	0.26	0.22	0.78	19.3	8.9
W425972	Sandy-silt, angular shale - argillite pebbles from bedrock.	W425972	0.004	0.81	2.15	52.8	10	600	1.03	0.4	0.28	1.19	17	9.6
W425973	Sandy - silt, mostly argillite scree, minor till.	W425973	0.006	1.01	2.03	97.9	10	300	0.84	0.59	0.23	0.71	11.35	10.2

Station	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nn_ppm	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm
W425962	16	3.75	308	3.02	5.64	0.06	0.04	0.12	0.367	0.07	6.2	17.4	0.35	539	7.49	0.04	0.24	87.8	1340	157	4.8
W425963	20	3.37	177	2.75	4.51	0.05	0.04	0.06	0.237	0.05	7.6	17.6	0.42	458	8.97	0.04	0.29	63	1380	74.7	5.1
W425964	11	4.35	38.9	4.21	5.21	0.05	0.09	0.03	0.042	0.03	3.9	19	0.14	152	3.63	0.02	0.55	35.4	2510	24	1.6
W425965	10	1.19	203	5.12	5.11	0.07	0.25	0.06	0.026	0.02	15.6	5.5	0.05	757	17.25	0.11	0.51	71.5	1490	21.9	1.3
W425966	24	1.16	47.6	2.36	3.19	0.05	0.03	0.06	0.031	0.06	8.7	11.8	0.31	336	3.78	0.01	0.22	36.6	620	11.8	8.4
W425967	19	0.85	30.1	3.83	1.63	0.05	0.02	0.05	0.029	0.05	7	7.6	0.15	382	1.84	0.01	0.09	31.9	790	12.4	7.3
W425968	21	1.85	141	4.22	5.05	0.07	0.16	0.19	0.041	0.06	16.6	13	0.24	502	8.57	0.07	0.28	78.2	650	15.8	7.8
W425969	24	0.96	49	2.59	2.99	0.05	0.03	0.09	0.029	0.06	9.1	17.2	0.48	475	2.88	0.01	0.28	40.4	810	12.4	7.9
W425970	17	2.82	278	4.75	8.6	0.07	0.37	0.17	0.498	0.03	6	10	0.13	1065	51.3	0.01	0.56	112	2110	35.5	5.6
W425971	25	1.65	52.6	2.32	3.32	0.05	0.02	0.1	0.029	0.07	9.8	19.8	0.49	385	4.67	0.01	0.25	39.9	730	15	7.7
W425972	32	3.09	86.8	2.95	5.59	0.05	0.07	0.15	0.048	0.09	9.6	28.3	0.67	441	9.84	0.03	0.32	59.5	430	19.8	10
W425973	41	3.18	73.8	2.52	6.16	0.05	0.06	0.12	0.048	0.06	5.7	34.9	1.01	380	5.68	0.04	0.35	48.9	400	27.7	9.1

Station	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Certificate
W425962	0.004	0.08	8.17	1.5	9.8	10.8	78.6	0.01	1.87	2.2	0.008	0.13	4.51	34	41.7	8.79	1255	1.6	WH23236782
W425963	0.002	0.05	7.28	1.5	5.3	7.2	68.7	0.01	0.25	1.4	0.018	0.11	4.35	37	13.5	9.27	548	1.3	WH23236782
W425964	0.001	0.03	4.34	0.9	6.5	0.4	31	0.01	0.12	3.8	0.013	0.05	1.39	13	0.47	4.17	75	3.3	WH23236782
W425965	0.001	0.08	5.69	2	7.4	0.3	87.6	0.01	0.14	6.8	0.016	0.12	3.61	8	1.07	28	116	9.5	WH23236782
W425966	0.001	0.01	2.74	2.9	1.2	0.4	28.4	0.01	0.07	2.1	0.005	0.18	1.1	58	0.13	5.92	125	0.8	WH23236782
W425967	0.001	0.01	1.02	4.8	0.8	0.2	14.6	0.01	0.03	3.1	0.005	0.08	0.7	39	0.05	10.75	97	0.5	WH23236782
W425968	0.001	0.06	7.19	4.4	4.1	0.3	83.4	0.01	0.1	4.9	0.005	0.25	2.71	37	0.4	45	168	5.7	WH23236782
W425969	0.002	0.02	2.59	3.4	1.3	0.4	29	0.01	0.06	2.3	0.009	0.17	1.24	50	0.11	7.8	135	0.8	WH23236782
W425970	0.002	0.14	15.35	2.1	15.9	0.6	26.3	0.01	0.27	5.4	0.016	0.28	9.75	44	2.25	8.42	739	13.9	WH23236782
W425971	0.001	0.03	4.54	3.3	1.8	0.4	32.3	0.01	0.07	3	0.018	0.23	1.48	58	0.17	9.52	150	1	WH23236782
W425972	0.001	0.06	7.51	4.9	2.8	0.5	40.3	0.01	0.14	3.6	0.018	0.4	2.55	74	0.36	12.55	246	2.6	WH23236782
W425973	0.001	0.04	6.9	4.5	2.9	0.6	33.4	0.01	0.12	2.8	0.019	0.32	1.24	84	0.27	5.19	193	2.3	WH23236782

Goldorak 2023 Stream Sediment Samples

Sample	Date	Time	Grid	Datum	Zone	V	East	North	Elev_m	Sampler	Type	Depth-cm	Color	Slope	Aspect	Drainage	Quality
M895901	7/16/2023	not recorded	UTM	NAD83	8	V	516765.8	6971201.5	1130.5	Jerome de Pasquale	silt	0	grey		gentle	permanent	good
M895903	7/16/2023	not recorded	UTM	NAD83	8	V	516736.9	6971392.9	1159.6	Jerome de Pasquale	silt	0	grey		gentle	permanent	medium
M895904	7/17/2023	not recorded	UTM	NAD83	8	V	516628.2	6972491	1464.1	Jerome de Pasquale	silt	0	brown		moderate	intermitent	good
M895905	7/17/2023	not recorded	UTM	NAD83	8	V	516353.2	6972699.3	1533.4	Jerome de Pasquale	silt	0	brown		moderate	dry	good
M895906	7/18/2023	not recorded	UTM	NAD83	8	V	516300.8	6972475.8	1441.5	Jerome de Pasquale	silt	0	brown		moderate	intermitent	medium

Goldorak 2023 Stream Sediment Samples

Sample	Description	SAMPLE	AuME_ppm	Ag_ppm	Al_pct	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca_pct	Cd_ppm	Ce_ppm
M895901	Investigate the "white creek" observed on imagery - no white creek in the area. Sample collected from creek bed may contain colluvium, outside bend. Grey, silty. Rock around are heterogeneous , mostly argillite with some sub-angular massive sulphide and ferricrete float. No outcrop nearby.	M895901	0.005	0.61	1.32	121	10	520	0.62	0.31	1.06	3.15	19.85
M895903	Collected on the top of the landslide, middle of the creek bed. Grey to brown, silty. Rock around consist of rounded and subangular, mostly sedimentary rock (argillite and calc-silicate float). May contain colluvium from the active landslide.	M895903	0.004	0.65	1.4	142	10	670	0.68	0.35	0.99	5.12	22.8
M895904	Collected in between the moss (zinc moss). Follow up of the high zinc soil (Anaconda 1981). Dark brown, silty. Thread of water that day.	M895904	0.005	2.06	1.9	120	10	300	0.98	5.4	0.77	13.8	24
M895905	Brown, fine sand, moss in the creek bed. Float around are part of the metasediment units - mostly quartzite. The creek is weakly running 10's metres downhill.	M895905	0.004	0.41	1.41	47.5	10	240	0.69	0.82	0.48	1.99	27.5
M895906	Brown, silty sand, low energy stream at this season. Collected in the bank of the creek (colluvium material). Few metres before the intersection with the white stained creek to the west.	M895906	0.004	0.8	1.76	144	10	200	0.87	1.59	0.74	7.77	22

Goldorak 2023 Stream Sediment Samples

Sample	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_pct	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_pct	La_ppm	Li_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
M895901	12	22	3.49	54.5	2.74	3.99	0.06	0.03	0.09	0.029	0.17	10	19.6	0.45	472	5.81	0.03	0.48	44.8	900	19
M895903	12.6	23	3.87	63.7	2.98	4.1	0.06	0.03	0.12	0.033	0.19	11.4	20.5	0.46	676	5.93	0.03	0.52	49.7	970	16.9
M895904	15	37	4.63	173	2.65	5.57	0.05	0.04	0.07	0.08	0.08	12.7	25.8	0.67	441	4.52	0.01	0.59	80.8	1080	25.7
M895905	10	26	2.66	67.3	2.18	4.23	0.06	0.02	0.04	0.047	0.07	14.1	15.8	0.45	402	3.23	0.01	0.43	39.2	980	9.2
M895906	10.2	31	4.44	105	2.22	5.04	0.05	0.02	0.09	0.051	0.06	13	22.3	0.48	370	5.24	0.03	0.53	50.7	970	11.9

Goldorak 2023 Stream Sediment Samples

Sample	Rb_ppm	Re_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Certificate
M895901	16.3	0.006	0.06	2.99	3.1	3.6	0.8	62.9	0.01	0.1	3.8	0.029	0.34	1.17	49	0.64	9.26	227	1.5	WH23204420
M895903	17.4	0.008	0.05	3.07	3.5	3.5	0.8	66.3	0.01	0.11	3.6	0.03	0.34	1.56	58	0.76	10.35	293	1.3	WH23204420
M895904	12.2	0.002	0.07	1.67	3.3	3.6	1.9	78.8	0.01	0.19	1	0.023	0.31	4.84	103	0.66	15.9	909	1.4	WH23204420
M895905	7.5	0.001	0.03	1.4	3.4	1.4	1.5	58.6	0.01	0.06	2.5	0.038	0.1	1.51	51	5.45	9.19	143	0.7	WH23204420
M895906	8.6	0.002	0.08	1.56	2.3	2.3	1.3	47.6	0.01	0.07	0.6	0.023	0.14	8.79	61	10.55	12.9	371	0.5	WH23204420

APPENDIX D

Field Station Data

2023 Goldorak Field Stations **Coord System: NAD83_UTM_Zone8N**

GeoStation	Date	East	North	Lithology1	Min1	Min1_Per	Min2	Min2_Per	Structure_Type	Strike	Dip	Plunge	Description
JDP23_001	7/16/2023	516773.91	6971207.02	argillite	pyrrhotite	10	chalcopyrite	1					Some mineralized float of argillite (?), quartz veining.
JDP23_002	7/16/2023	516755.58	6971288.26	argillite	pyrrhotite	10			bedding	8	32		10x5 m outcrop. Grey, fine grained, pyrrhotite rich - silicified argillite. Rusty decomposed argillite sampled, 5% pyrrhotite and quartz veining. Faulting at 268/38.
JDP23_003	7/16/2023	516765.93	6971324.75	massive sulphide	pyrrhotite	40	pyrite	10					Presence of pyrrhotite dominant massive sulphide float up to 50x40x30 cm, dark green groundmass.
JDP23_004	7/16/2023	516740.92	6971399.49	semi-massive sulphide	pyrrhotite	25							Sample collected for reference. Argillite mineralized pyrrhotite - banded to dendritic. Looks SEDEX-like. Not sampled for assay. Unusual texture.
JDP23_005	7/16/2023	516444.29	6971588.07	calc-silicate	pyrrhotite	5							50x50 cm subcrop of calc-silicate/chert, banded black and beige, 2% banded pyrrhotite.
JDP23_006	7/16/2023	516361.43	6971689.15	calc-silicate	pyrrhotite	0.5							1x1 m boulder, banded dark grey-black and beige, very hard. Some quartz veinlets, 10% calcite in fracture in veinlets (react to HCl).
JDP23_007	7/16/2023	516361.05	6971704.19	calc-silicate	pyrrhotite	0.5							Large boulders up to 2x2x1 m, banded black-beige/green, very close to outcrop. Calcite veins, no mineralization observed. Some argillite boulder - trace pyrrhotite - of similar size suggest proximity of contact between the two units.
JDP23_008	7/16/2023	516065.49	6971715.54	calc-silicate					bedding	100	60		Well bedded/foliated, slightly tilted outcrop. Bands average 1 to 2 cm, weak oxidation. No mineralization observed.
JDP23_009	7/16/2023	516062.87	6971751.63	argillite	pyrrhotite	3							3x3 m subcrop. Argillite showing oxidation in fracture, some silicified zone, 2 to 5 % pyrrhotite. Probably very close to contact with calc-silicate unit. Irregular break - moderate silica alteration.
JDP23_010	7/17/2023	516623	6972450.44	quartzite									Float train of white-beige rock, strongly siliceous, averaging 20x10x10 m. Follow up of high copper-zinc soil (Anaconda 1981). Angular float, no mineralization observed.
JDP23_011	7/17/2023	516642.21	6972473.6	argillite									1x5 m outcrop along slope. Rusty patina, fractured dark grey-black argillite. The creek nearby marks the contact/faulted? Between argillite and silica rich white-beige quartzite (silicified?).
JDP23_012	7/17/2023	516635	6972500.64	quartzite					bedding	80	5		3x10 m outcrop. Beige-white, silicified sediment, quartzite.
JDP23_013	7/17/2023	516617.77	6972539.77	quartzite					bedding	296	18		2x10 m outcrop along slope. Beige-white, blocky, jointed, quartzite. Strongly silicified?
JDP23_014	7/17/2023	516868.86	6972478.89	hornfels					bedding	358	30		Proximal to hornfels/quartzite. Rusty, fractured, disrupted outcrop of fine grained metasediment (argillite).
JDP23_015	7/17/2023	516320.7	6972745.85	quartzite					bedding	350	24		10x3 m outcrop along gully. Beige-white, very fine grained, blocky, jointed, quartzite. No mineralization observed.
JDP23_016	7/17/2023	516318.49	6972740.71	hornfels	pyrrhotite	2	chalcopyrite	1					Outcrop marked by thin quartz veinlets in hornfels, planar, multi-directional. Very dry quartz veins, no mineralization observed in vein, 2% pyrrhotite, 1% chalcopyrite in metasediment. The vein texture is sucrosic, vein average 0.5 to 1 cm. Not sampled for assay, need rock-saw here.
JDP23_017	7/18/2023	516323.1	6972549.66	hornfels	pyrrhotite	2							5x6 m outcrop marked stockwork quartz veins up to 2 cm wide. 2% disseminated pyrrhotite in host rock. No mineralization observed in sucrosic quartz veins (see sample Y647960)

2023 Goldorak Field Stations **Coord System: NAD83_UTM_Zone8N**

GeoStation	Date	East	North	Lithology1	Min1	Min1_Per	Min2	Min2_Per	Structure_Type	Strike	Dip	Plunge	Description
JDP23_018	7/19/2023	516355.79	6972022.37	argillite	arsenopyrite	2	pyrite	1					GeoStation collected to show the extent of the mineralization in the area. This outcrop was not sampled in 2023 but arsenopyrite is still observed there and mineralized veins with bleached halo are present.
JDP23_019	8/13/2023	513513.097	6973999.414	calc-silicate	pyrrhotite	2	chalcopyrite	0.1					1x2 m outcrop. Rusty patina. Limonite in fracture, very hard. Mineralized disseminated pyrrhotite associated with minor chalcopyrite, possibly trace arsenopyrite. Very hard, fizzes when scratched.
JDP23_020	8/15/2023	513443.636	6974029.656	quartzite	pyrite	1			bedding	124	75		Large outcrop along slope. Rusty weathering, abundant fractures. Fresh surface is grey, medium grained, bleached, silica rich (coarse grained) with trace pyrite - no pyrrhotite observed. Sone structure mineralized pyrite-pyrrhotite-trace arsenopyrite.
JDP23_021	8/15/2023	513593.212	6974133.892	limestone					joint	60	78		30x20x10 cm float with mineralized quartz veinlets in dirty limestone (30% calcite). Sample collected for lithology reference.
JDP23_022	8/15/2023	513596.78	6974058.032	limestone									Dirty limestone (10-20% calcite) with joint controlled quartz veinlets < 2 mm showing sucrosic texture (dry aspect), no fresh sulphide observed.
JDP23_023	8/15/2023	513706.257	6974049.91	quartzite					fold axis		15	300	3-4 m scale fold more likely marking the base of the regional thrust fault. Rough measurement
JDP23_024	8/15/2023	513731.785	6974071.743	argillite	pyrite	2			bedding	128	46		Black, very fine grained, shaly argillite showing 2% medium grained-euhedral pyrite. The outcrop is marked by abundant groundwater seeps suggesting thrust fault lower contact. The outcrop is also disrupter compared to the above unit.
JDP23_025	8/15/2023	513706.257	6974049.91	quartzite					bedding	300	90		Northern limb of the fold.
JDP23_026	8/15/2023	513706.257	6974049.91	quartzite					bedding	132	22		Southern limb of the fold.
JDP23_027	8/15/2023	513706.257	6974049.91	quartzite					bedding	140	22		Southern limb of the fold. Second measurement.
JDP23_028	8/15/2023	513706.257	6974049.91	quartzite					joint	200	90		Dominant joint set, perpendicular to fold axis. 3 per metre.
JDP23_029	8/15/2023	513706.257	6974049.91	quartzite					joint	140	82		Secondary joint set. Rough measurement.
JDP23_030	8/15/2023	513706.257	6974049.91	quartzite					joint	232	15		Tertiary joint set. Sub horizontal.
JDP23_ORAK 01	7/15/2023	518632.2834	6971151.22	argillite									1x1 m subcrop of boulder, minor calcite. Fine grained, dark grey. No mineralization observed. Permafrost.
JDP23_ORAK 02	7/15/2023	518588.7592	6971053.884	argillite									Subcrop. Dark grey, fine grained, siliceous, mudstone/siltstone - cherty.
JDP23_ORAK 03	7/15/2023	518501.711	6970958.922	argillite									Float. Black, fine grained, minor carbonate in fracture. No mineralization observed. Permafrost.
JDP23_ORAK 04	7/15/2023	518458.1868	6970923.312										DDH81-09 area. No pipe found. Moss and willow-bush covered.
RH23_001	8/13/2023	513729	6973868	quartzite					bedding	130	68		Quartzite outcrop on ridge. Checking out Anaconda magnetic high on NW ridge.
RH23_002	8/13/2023	513510	6974010	quartzite	pyrrhotite	3	arsenopyrite	0.1	bedding	110	68		Flattish lying white coarse quartz vein (020/14E) and parallel veins up to 10 cm thick, trace disseminated pyrite and ?? Crosscut by brown-tan weathering grey quartz-calcite veinlet with 1-3% disseminated pyrrhotite, trace arsenopyrite, chalcopyrite, sphalerite. Outcrop extends 20 m on ridge.
RH23_003	8/14/2023	512848	6973684										Anaconda Cutline at 020. About 50 m south of Mizar discovery outcrop.

2023 Goldorak Field Stations **Coord System: NAD83_UTM_Zone8N**

GeoStation	Date	East	North	Lithology1	Min1	Min1_Per	Min2	Min2_Per	Structure_Type	Strike	Dip	Plunge	Description
RH23_004	8/14/2023	512882	6973664	argillite					clevage	142	20		Rusty weathering grey argillite crosscut by 25 cm rusty shear-fault zone trending 170/90. No quartz.
RH23_005	8/14/2023	512894	6973671	siltstone					bedding	294	30		Contact between massive rusty weathering grey siltstone and 30cm shaley horizon. Foliation parallel to bedding.
RH23_006	8/14/2023	512872	6973665	siltstone	pyrrhotite	2			fault	228	80		In creek gully with 3 m cliffy outcrop on north side. JDP grab sample about 8 m NE on same outcrop. Interbedded siltstone-quartzite-argillite, all with disseminated sulphides and local lenses of shale. Foliation 176/35W.
RH23_007	8/14/2023	512904	6973682	argillite	pyrite				bedding	133	90		About 10 m north of Mizar occurrence discovery sample, on top of gully bluff. Weakly rusty weathering siliceous dark grey argillite with disseminated fine grained pyrrhotite crosscut by occasional dark grey quartz veinlet with fine grained pyrite. Unit at station is in contact with marbleized skarnified (tremolite) limestone. Quartz veinlets 280/62N on fracture cleavage.
RH23_008	8/14/2023	512894	6973676	marble					foliation	130	80		Grey marble band about 4 m wide in contact with rusty weathering siltstone-argillite (sample M895656) to west and silicified coarse grained marble plus siltstone-argillite to east.
RH23_009	8/14/2023	512913	6973680	argillite					fold hinge	290	0		Folded grey weathering argillite, minor FeOx on weathered surface. Minor gentle fold hinge in near vertical beds that strike 290. Photo looking at 290 degrees.
RH23_010	8/15/2023	513459	6974098	argillite					foliation	90	80		Rusty dark grey weathering grey shale-argillite-siltstone beds. Top of unit which extends downslope 40+ m.
RH23_011	8/15/2023	513451	6974095	siltstone									One piece float on ridge spur. Light grey tan - limonitic weathering siltstone crosscut by 2-5 mm vuggy coarse crystalline quartz veinlets. About 5-8 m below above float is outcrop of grey siltstone with usual 2-5% disseminated fine grained pyrrhotite, possible arsenopyrite and crosscut by rare 2-4 mm quartz veinlets with trace chalcopyrite, pyrite and arsenopyrite.
RH23_012	8/15/2023	513425	6974147	quartzite									sub outcrop of blocky angular grey - brown weathering grey fine grained quartzite. Station on ridge spur at top of steep drop off, caused by resistant quartzite. 5% disseminated pyrrhotite + ??. No quartz veinlets.
RH23_013	8/15/2023	513735	6974172	quartzite					bedding	100	44		Contact between quartzite bed and overlying grey limestone. Grey marble bed about 5m thick, minor tremolite - actinolite near contact.
RH23_014	8/15/2023	513742	6974151	marble									Contact between quartzite bed and overlying grey limestone, similar to station RH23_013. limestone about 10m thick and cross cut by strong joint sets.
RH23_015	8/16/2023	512780	6974074	conglomerate									2x2 m outcrop of brown weathering dirty sandstone and conglomerate, about 10% chert pebbles in conglomerate. Looks like poor concrete.
RH23_016	8/16/2023	512878	6974056	conglomerate									Sub outcrop of brown weathering dirty sandstone and conglomerate, about 10% chert pebbles in conglomerate. Polymictic.

2023 Goldorak Field Stations **Coord System: NAD83_UTM_Zone8N**

GeoStation	Date	East	North	Lithology1	Min1	Min1_Per	Min2	Min2_Per	Structure_Type	Strike	Dip	Plunge	Description
RH23_017	8/16/2023	513700	6973088	skarn									Lichen covered grey calcareous, tremolite-actinolite biotite quartz skarn. Med grained, looks intrusive… Trace arsenopyrite, disseminated pyrrhotite. Skarn float in sea of more angular calc-silicate that is variably quartz veined. Patches tremolite, locally weakly fractured - brecciated, trace disseminated pyrite, pyrrhotite.
RH23_018	8/16/2023	513739	6973018	calc-silicate					bedding	144	68		Cliff of banded-bedded calc-silicate. Hand sample.
RH23_019	8/16/2023	513823	6973740	skarn					quartz vein	20	30		Site of JDP rock sample Y647980 of semi massive sulphides and silicate replaced rock-skarny, looks to be poddy. Sulphide-silicate unit crosscut by <1 cm coarse vuggy white quartz vein that also crosscuts adjacent hanging wallrock of siltstone. Contact between sulphide-skarn and footwall siltstone is 105/90 .

PHOTO FOLDER

2023 Photographs

Picture 1: Goldorak 2023 camps.

Phase 1 camp was set up in July at the LM ridge (left). Phase 2 camp was set up in August at the Dromedary-west ridge (right). Both camps were equipped with a bear fence.

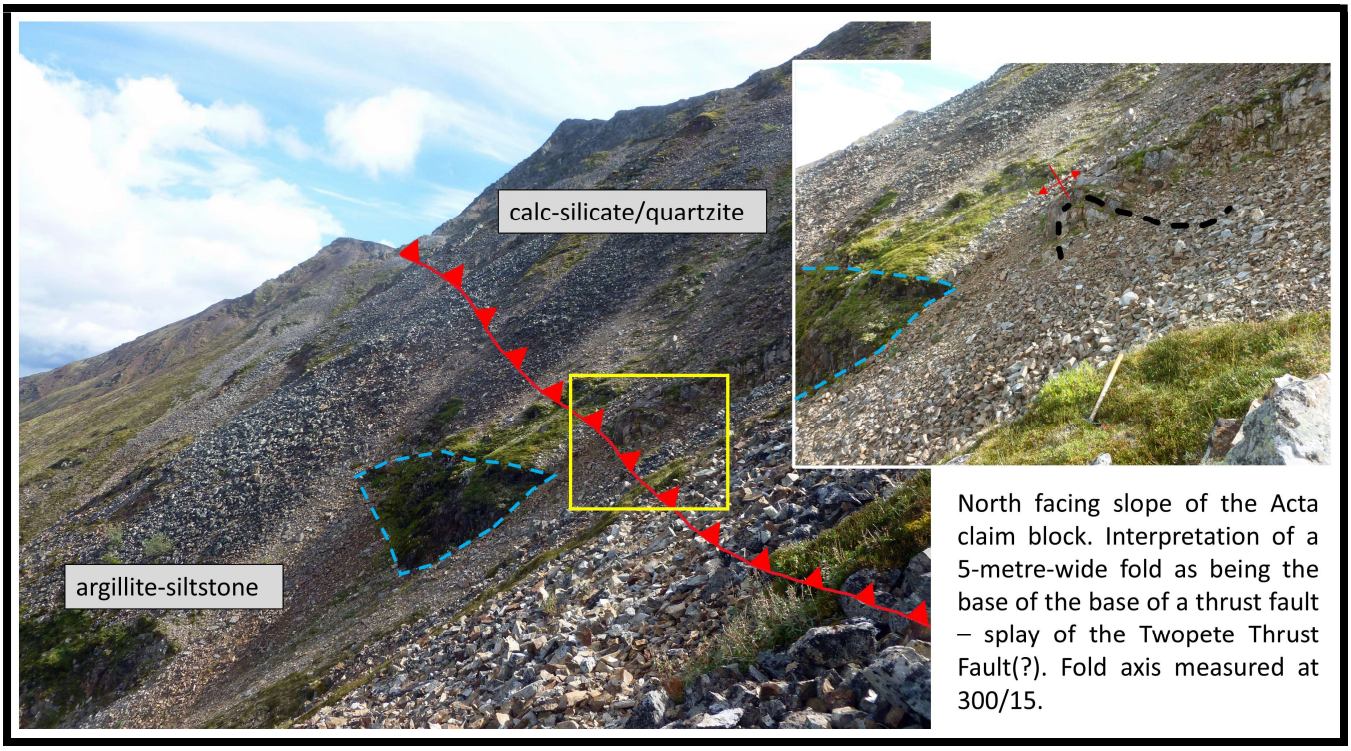
Picture 2: ACTA 31-40 staking.

The added claims linked the Acta and the Orak claim blocks. The claims were grouped on July 26th, 2023 (Grouping Certificate Number: HW07833) for a total of 56 quartz claims in one block. Together with a second block of four claims (Fran 1-4) located to the west, covering historical drill holes, make up the Goldorak project.

Picture 3: YGS Geologists at Goldorak. Left to right: Sarah Ellis, Emilia Butty, Patrick Sack.

On August 17th, 2023, the YGS Geologists visited the Goldorak property for the first time. Due to weather conditions, the helicopter could not land before 11:00 am. The visit consisted of a presentation overview of the project around maps, followed by a quick examination of the Main Showing located 50 metres from camp.

A tour was taken of the LM Showing only as this area was the safest to access by helicopter due to intermittent low visibility and low clouds. Prior planning and helicopter arrangements for camp demobilization meant that the visit ended at 3:00 pm.



Picture 4: Looking east, north facing slope – Base of the thrust.

The inset yellow box represents the outline of the close-up of the fold on the right. The indented red line represents an interpreted thrust fault marked by a metre-scale fold in quartzite. The blue dashed contoured polygon represents exposed argillite marked by abundant seeping suggesting sub-horizontal structure/unconformable contact.

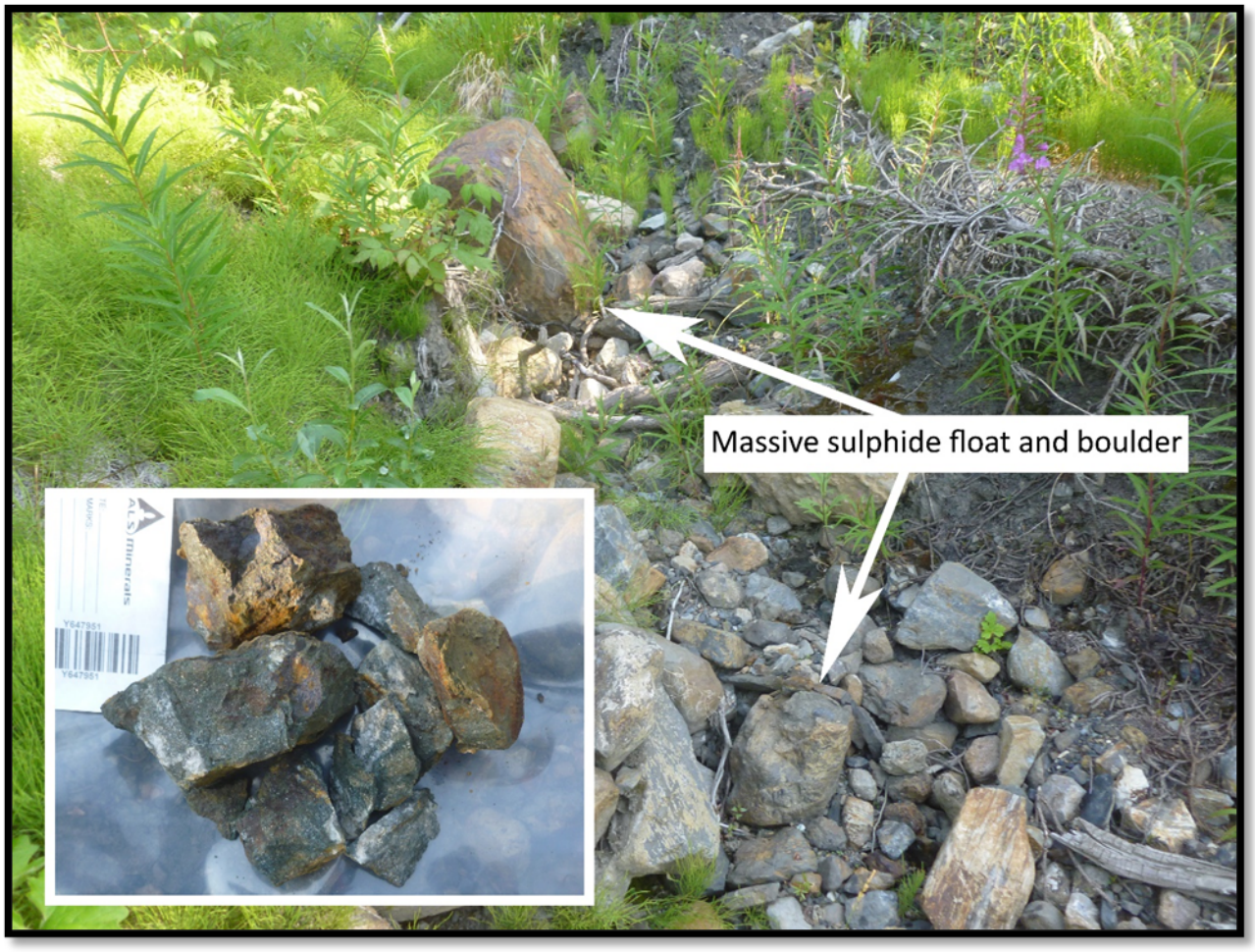
In the area, contour soil/talus fines samples collected in 2023 over a distance of 300 m contained between 120 ppm and 400 ppm Cu. One sample (W425962) contained 0.145 ppm Au, 28.1 ppm Bi, 157 ppm Pb, 1.87 ppm Te, 41.7 ppm W, and 1255 ppm Zn (*see Picture 10).* Overall, both the rock and soil samples had scattered anomalous values for elements of interest with arsenic values ranging between 227 ppm and 789 ppm.

Picture 5: Sample Y647984 from within Copper Soil Anomaly area, north facing slope.

The sample returned 1.22 g/t Au, the highest gold value from a rock sample in 2023. Sample collected from a 1.5 m x 3 m outcrop of quartzitic-skarny sandstone heavily mineralized with pyrrhotite, sphalerite, trace chalcopyrite. Gold is associated with elevated bismuth, selenium, tungsten and zinc values.

Significant assay values:

Sample	Au_ppm	Ag_ppm	As_ppm	Bi_ppm	Fe_pct	Sb_ppm	Se_ppm	W_ppm	Zn_pct
Y647984	1.22	18.2	62.5	1030	9.03%	9.94	240	1660	2.73%



Picture 6: Sample Y647951.

The sample consists of angular float of dark green fine-grained chlorite-diopside -quartz and semi-massive pyrrhotite, probably argillite hosted. Assay returned 1.17 g/t Au. The sample was collected about 850 m SE of the LM Showing in a creek gully. Only two samples of massive and semi-massive sulfide float were collected to test the mineralization. However, abundant rocks of the same nature were observed, and the drainage constitutes a newly discovered prospective area.

Significant assay values:

Sample	Au_ppm	As_ppm	Bi_ppm	Fe_pct	Sb_ppm
Y647951	1.17	91.9	5.43	21.8%	1.7

Picture 7: Sample Y647953.

Grab sample consisting of dark grey silicified argillite with iron oxide fracture coating in a weak shear zone. The sample was collected in a newly explored area located 800 m to south of the LM Showing on the eastern side of the gully. This outcrop constitutes the only bedrock exposure in the area. Although other elements returned low values, analysis returned an encouraging gold value of 0.107 g/t Au.

Significant assay values:

Sample	Au_ppm	Bi_ppm	Cu_ppm	Fe_pct	Sb_ppm	Zn_ppm
Y647953	0.107	6.27	295	13.95%	3.23	128

Picture 8: Sample Y647979

The sample consists of a 1.2 m chip sample of semi massive banded pyrrhotite collected from the Main Zone approximately 35 m north of drill hole collars DDH81-01 and DDH81-02. Two semi-massive to massive bands averaging 10-15 cm wide are observed with quartz fragments (or flooding) within a dark green (chlorite-diopside dominant) matrix.

Significant assay values:

Sample	Au_ppm	Bi_ppm	Cu_ppm	Fe_pct	S_pct	Se_ppm	Te_ppm	W_ppm	Zn_ppm
Y647979	0.588	206	1350	11.75%	6.32	162	8.26	770	1110

Picture 9: Sample Y647972.

Altered and mineralized boulder (60 x 60 x 60 cm) – limestone to marble showing strong similarities with the original Mizar Showing outcrop. Assay confirmed the silver-lead-zinc potential in association with intrusion-related pathfinders and anomalous gold.

Significant assay values:

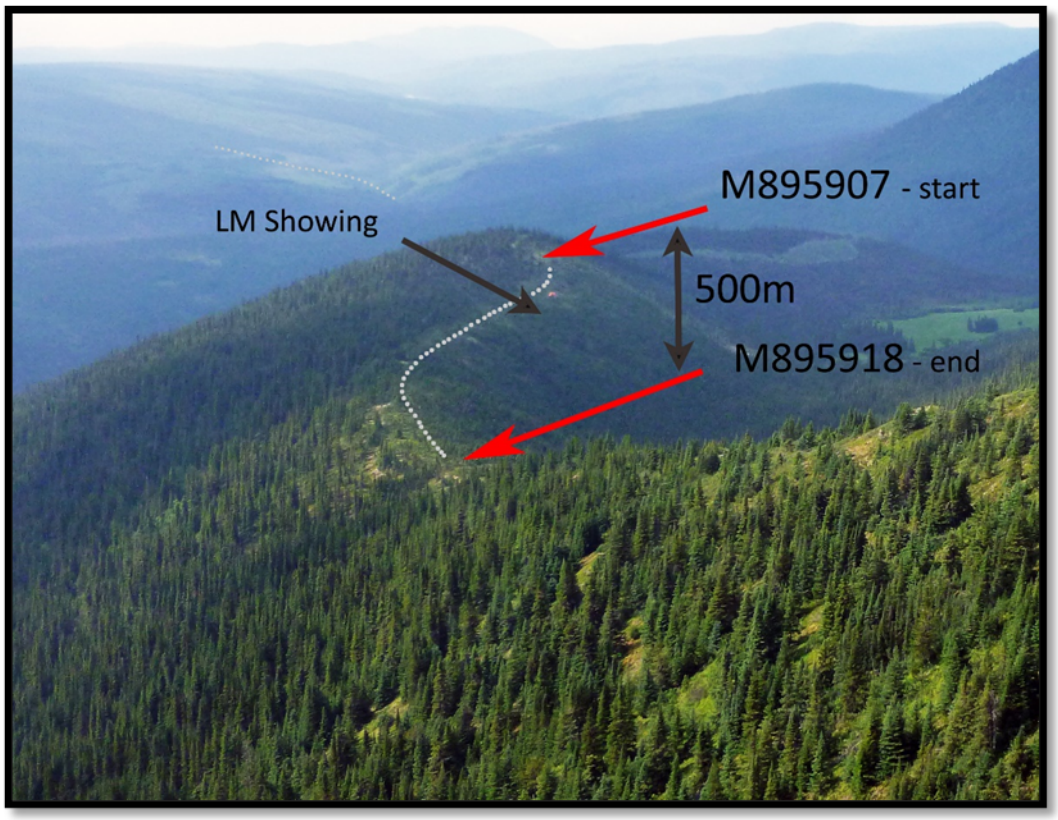
Sample	Au_ppm	Ag_ppm	As_ppm	Bi_ppm	Pb_pct	Sb_ppm	Se_ppm	Te_ppm	Zn_pct
Y647972	0.126	1160	1295	1890	2.47%	418	700	59.1	2.12%

Picture 10: Sample W425962

The sample returned the highest gold value (0.145 ppm Au) of the sample collected in 2023. It is part of a 300m long contour line of anomalous soil samples on the north facing slope within the Copper Soil Anomaly.

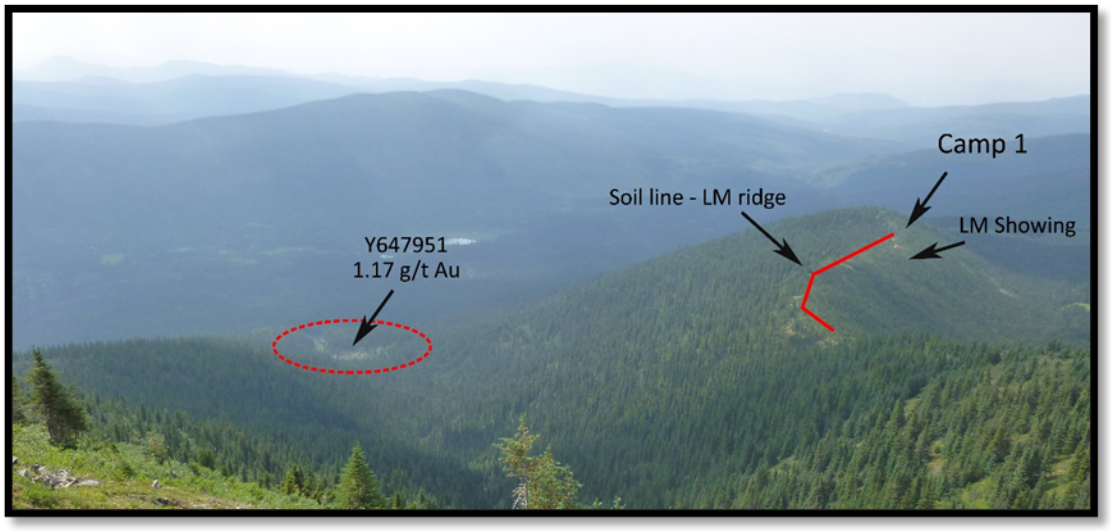
Significant assay values:

Sample	Au_ppm	Ag_ppm	As_ppm	Bi_ppm	Cu_ppm	Se_ppm	Te_ppm	W_ppm	Zn_ppm
W425962	0.145	7.65	576	28.1	308	9.8	1.87	41.7	1255



Picture 11: Looking south-west, LM ridge soil line.

Twelve soil samples collected along the ridge, 50 metres spacing. Assay returned anomalous arsenic (five samples >100 ppm As) over a distance of 500 m. First and the last samples of the line labelled.



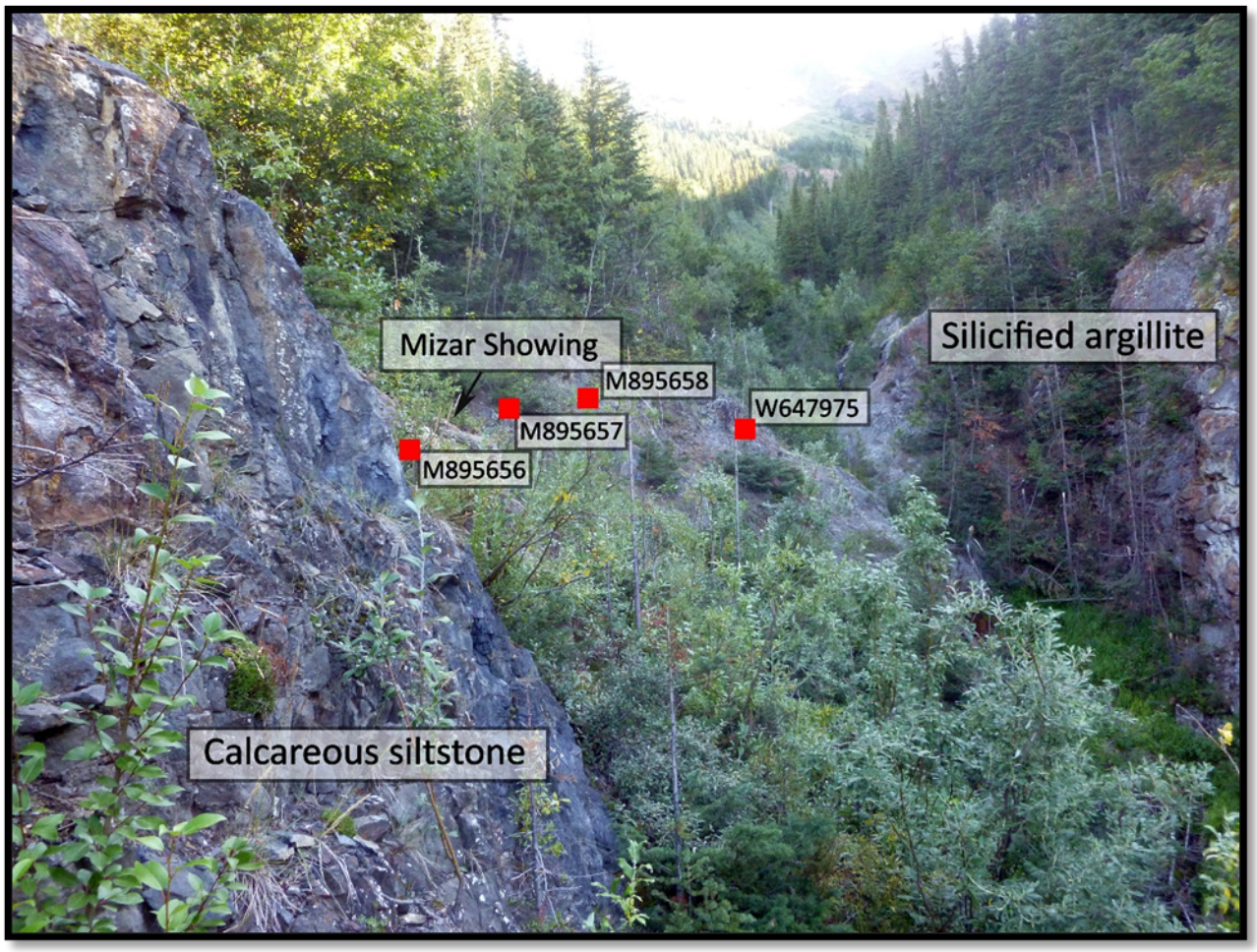
Picture 12: Looking south, LM ridge and landslide.

The red ellipse delineates the landslide. The camp was located as close possible at the LM Showing to optimize exploration time.

(a) (b)

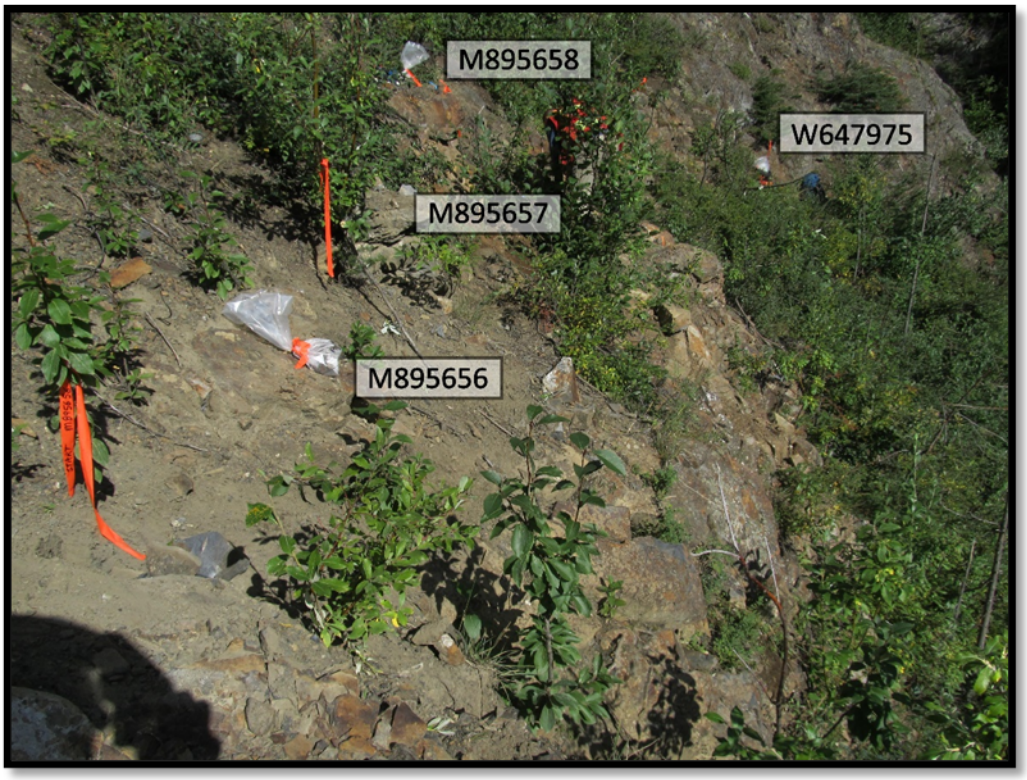
Picture 13: LM Ridge Spur - lithology and mineralization.

North of the LM Showing, hornfelsed siliciclastic outcrop (a). Mineralization consists of randomly oriented pyrite veinlets (b). The veinlets are 0.5-1.0 cm wide, with a beige coloured halo (bleaching) and consist of chalcedony-like quartz, suggesting hot fluid flooding. Secondary calcite (late phase (?)) was occasionally observed. South of the LM Showing, the expression of contact metamorphism is also discernible with the presence of calc-silicate (metamorphosed limy protolith).



Picture 14: Looking east- Mizar Showing area. Rock sample and geology along the gully.

The Mizar showing lies outside the hornfels zone and is currently thought to be replacement style mineralization. Rocks on the north side (left side) of the creek hosting the mineralization consist of limestone - marble, silicified limestone –marble, argillite, and minor shale. The cliff outcrop on the south side (right side) consists of grey siliceous rocks, likely silicified limestone – marble and argillite.

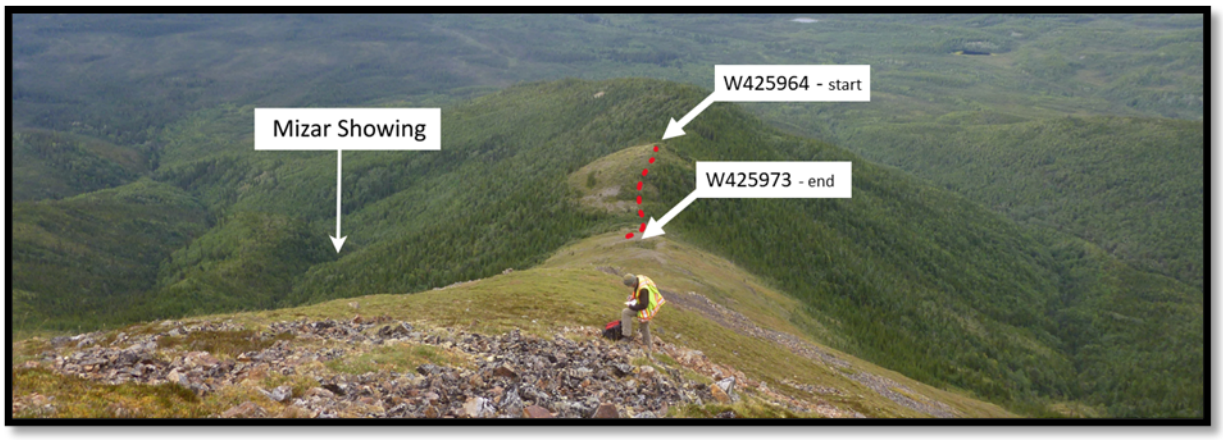


Picture 15: Looking east, samples at the Mizar Showing.

Picture 16: Sampling at the Mizar Showing – detailed pictures.

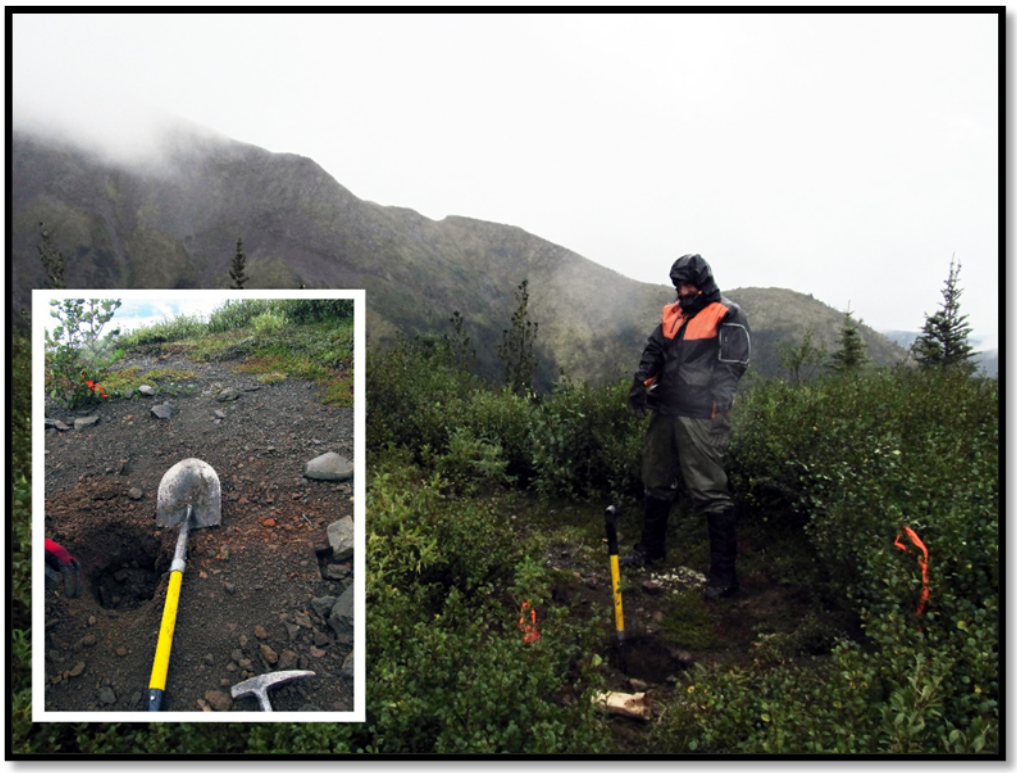
In 2023, the Mizar showing was re-examined and 8 rock samples in total were collected within 40 m of the 2021 discovery outcrop.
Assays returned a high of 38.1 ppm Ag (M895657).

Left to right – top to bottom. Sample M895658, M895657, M895656, and W647975. All four samples collected on the northern side of the gully.



Picture 17: Mizar Ridge Spur soil sampling.

The dash red line represents the soil sample line. First and the last samples of the line labelled.



Picture 18: Sample W425970 area and dug pit.

Ten soil samples were collected at 50 m spacing on the ridge approximately 375 m to the north. Assays returned low values for Au and < 3.73 ppm for Ag except for sample W425970.

Significant assay values:

Sample	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Mo_ppm	Sb_ppm	Zn_ppm
W425970	0.007	7.25	127	278	51.3	15.35	739

MAPS

POCKET

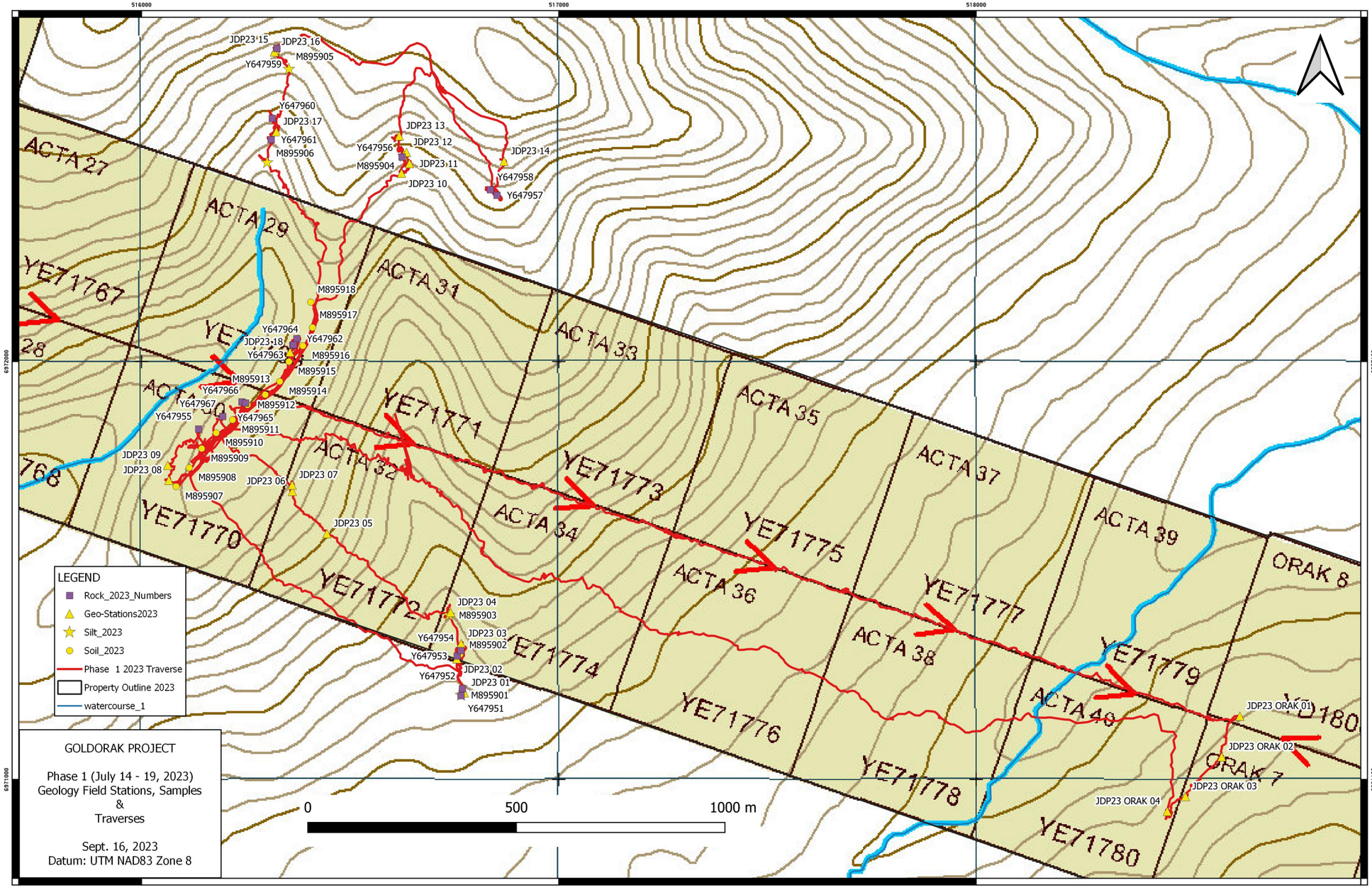


Figure 6a. 2023 Phase 1 (July 14 – 19, 2023) Samples, Field Stations and Traverse Tracks.

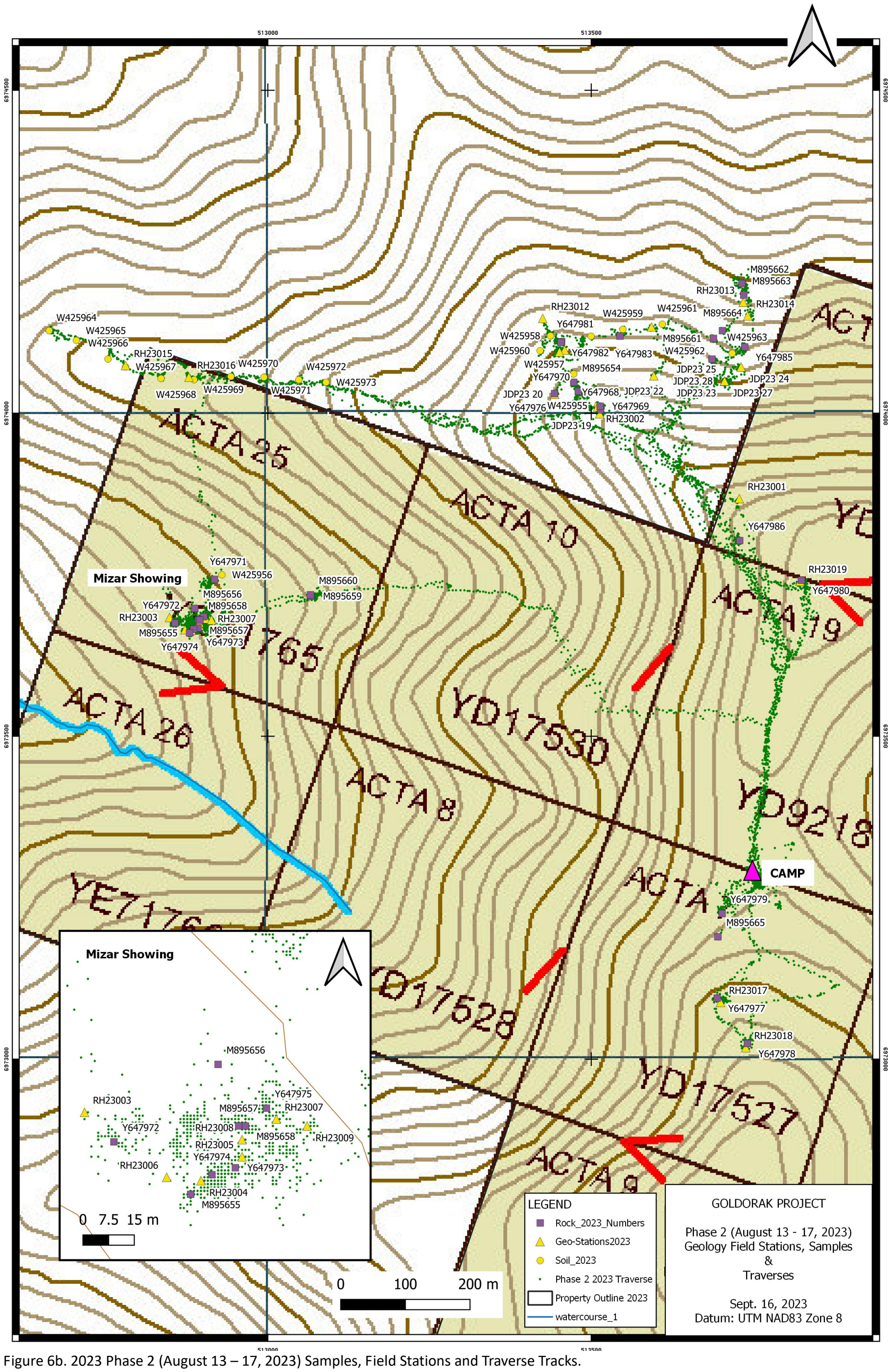


Figure 6b. 2023 Phase 2 (August 13 – 17, 2023) Samples, Field Stations and Traverse Tracks.

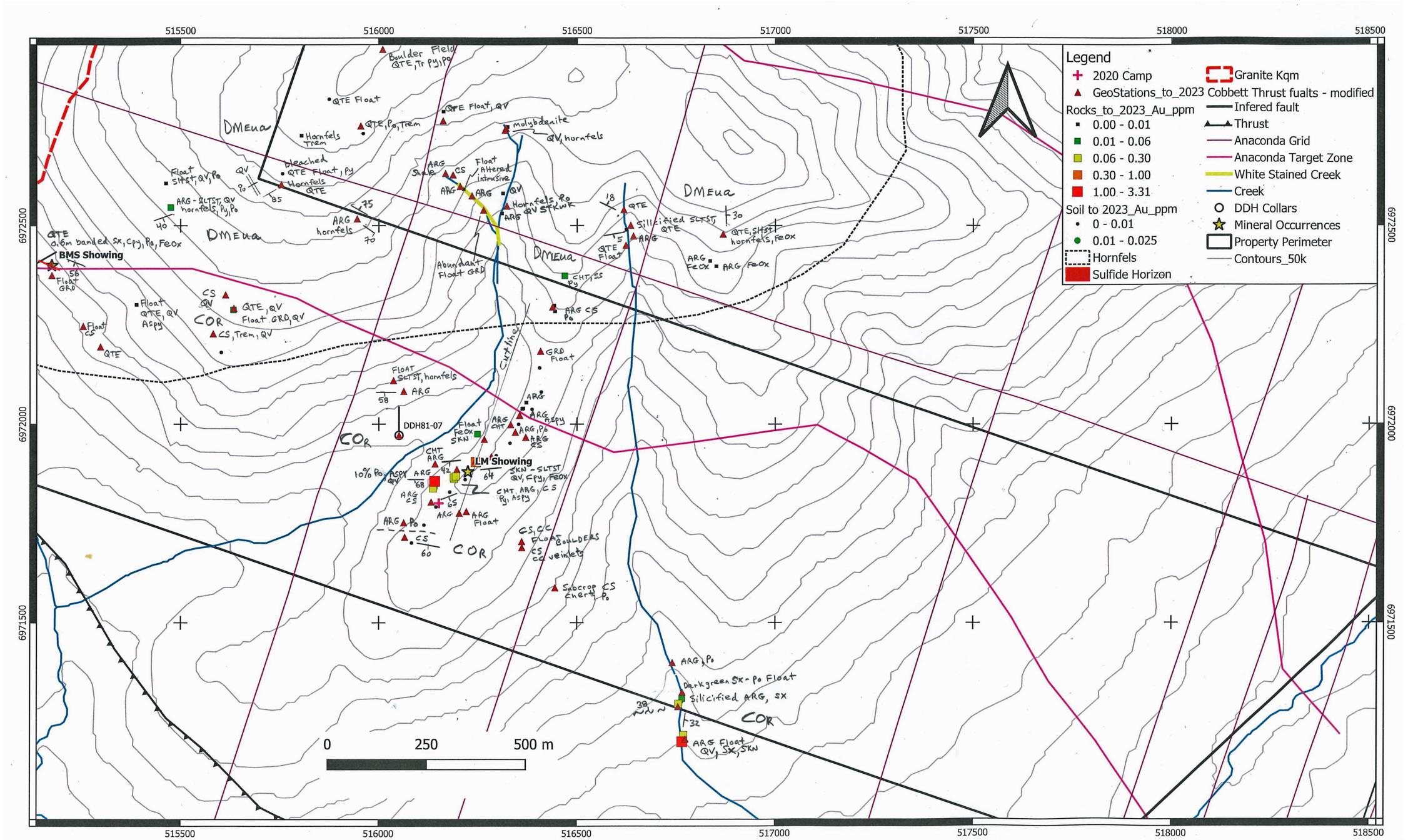


Figure 7a. East Side ACTA Claims Area, Phase 1 (July 14 – 19, 2023), Geology.

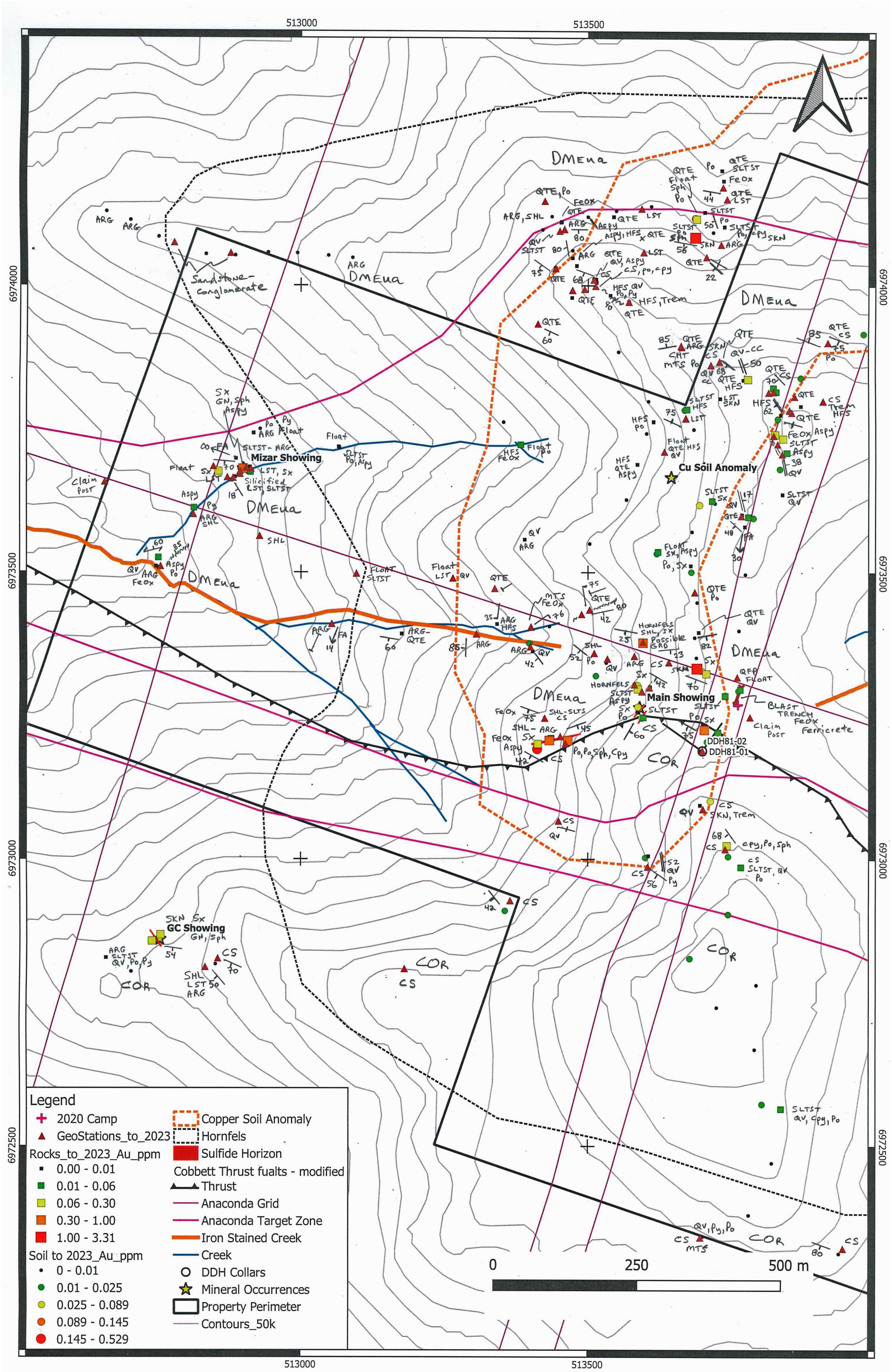


Figure 7b. West Side ACTA Claims Area, Phase 2 (August 13 – 17, 2023), Geology.

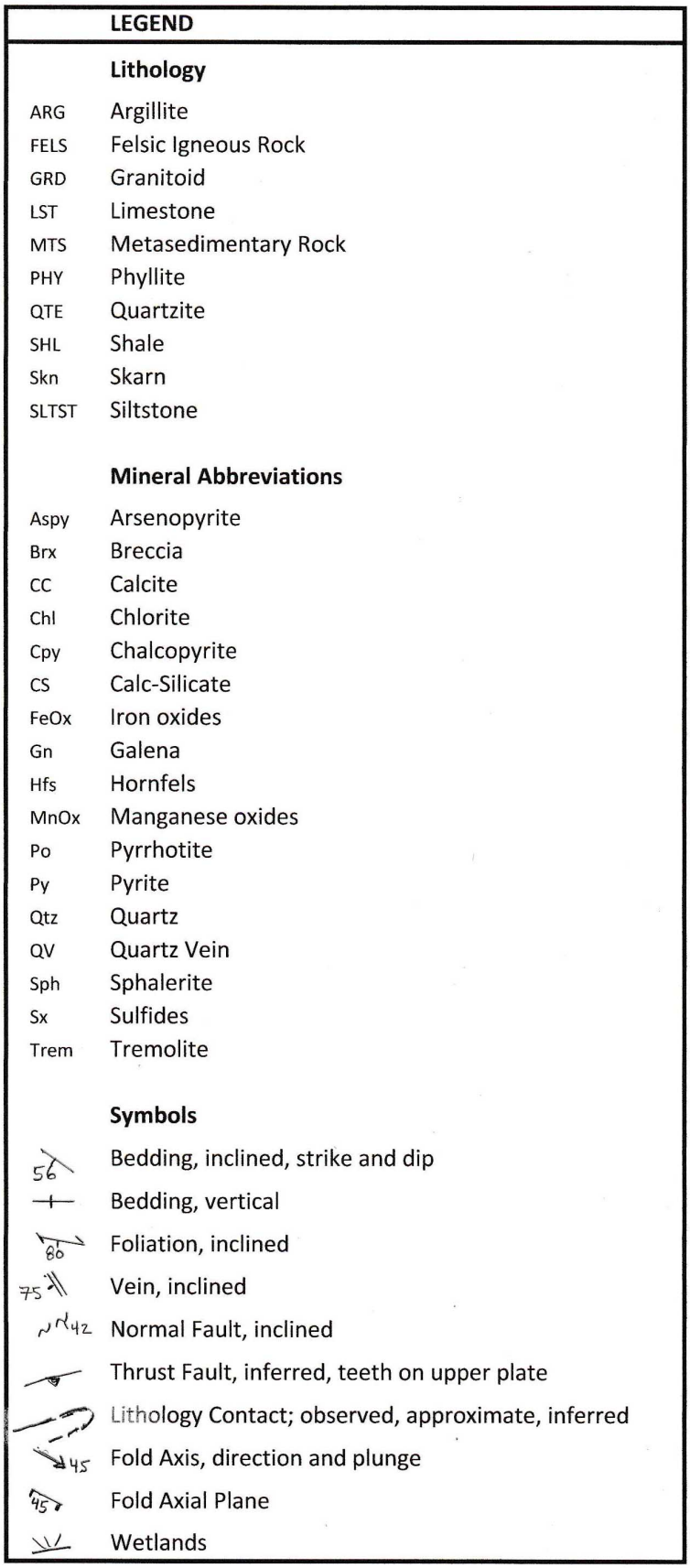


Figure 8. Geological Abbreviations and Symbols

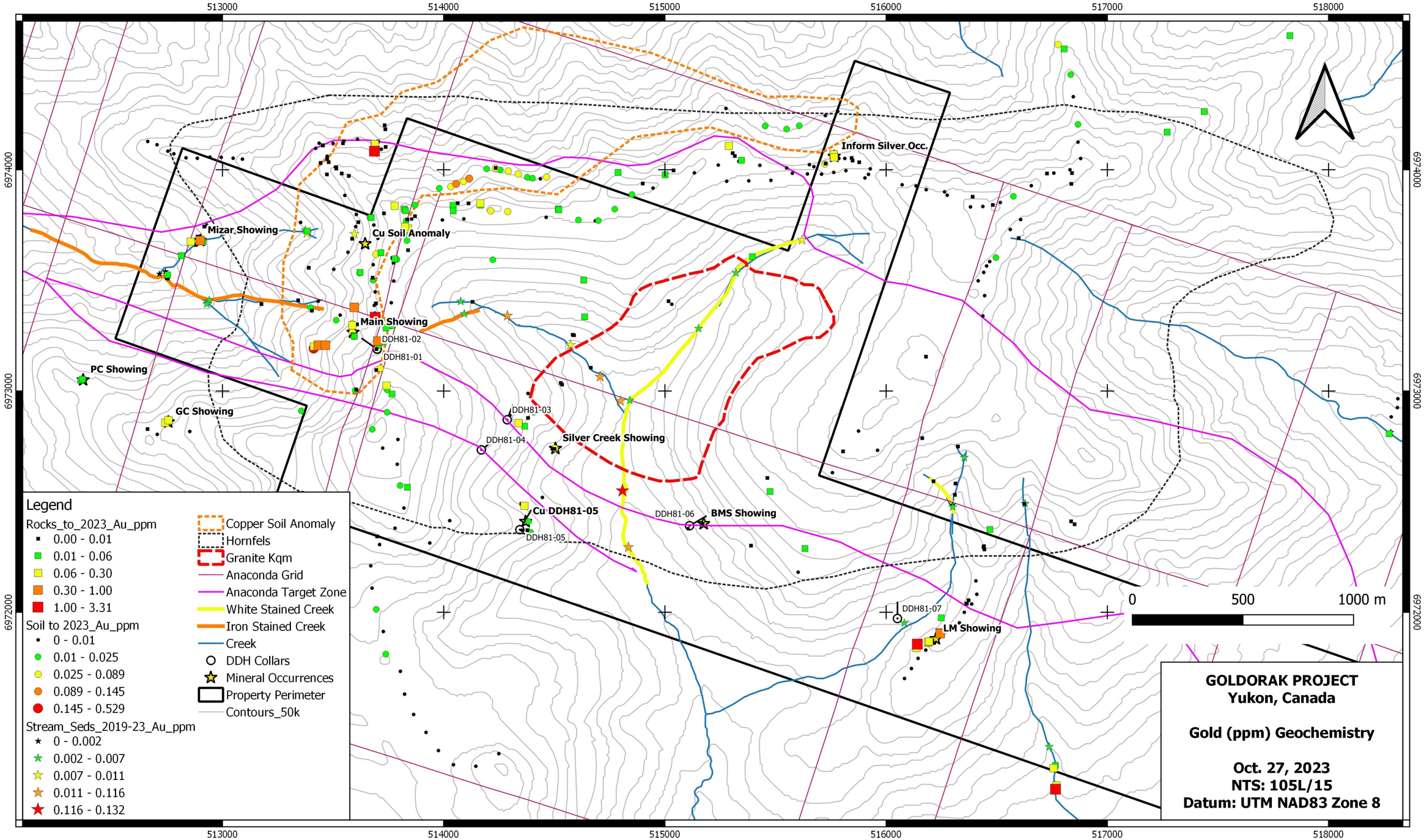


Figure 9. ACTA Claims, Gold Geochemistry

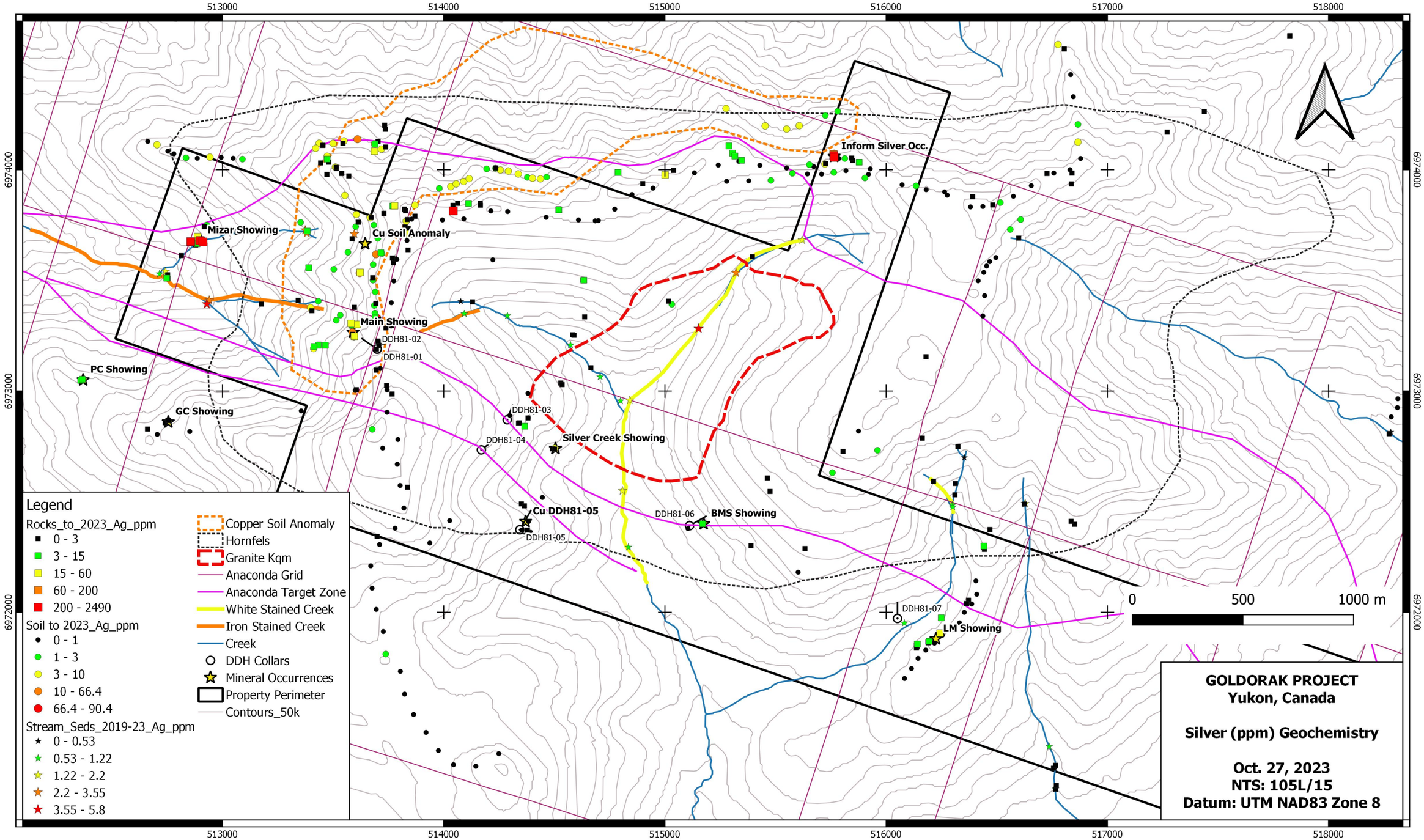


Figure 10, ACTA Claims, Silver Geochemistry

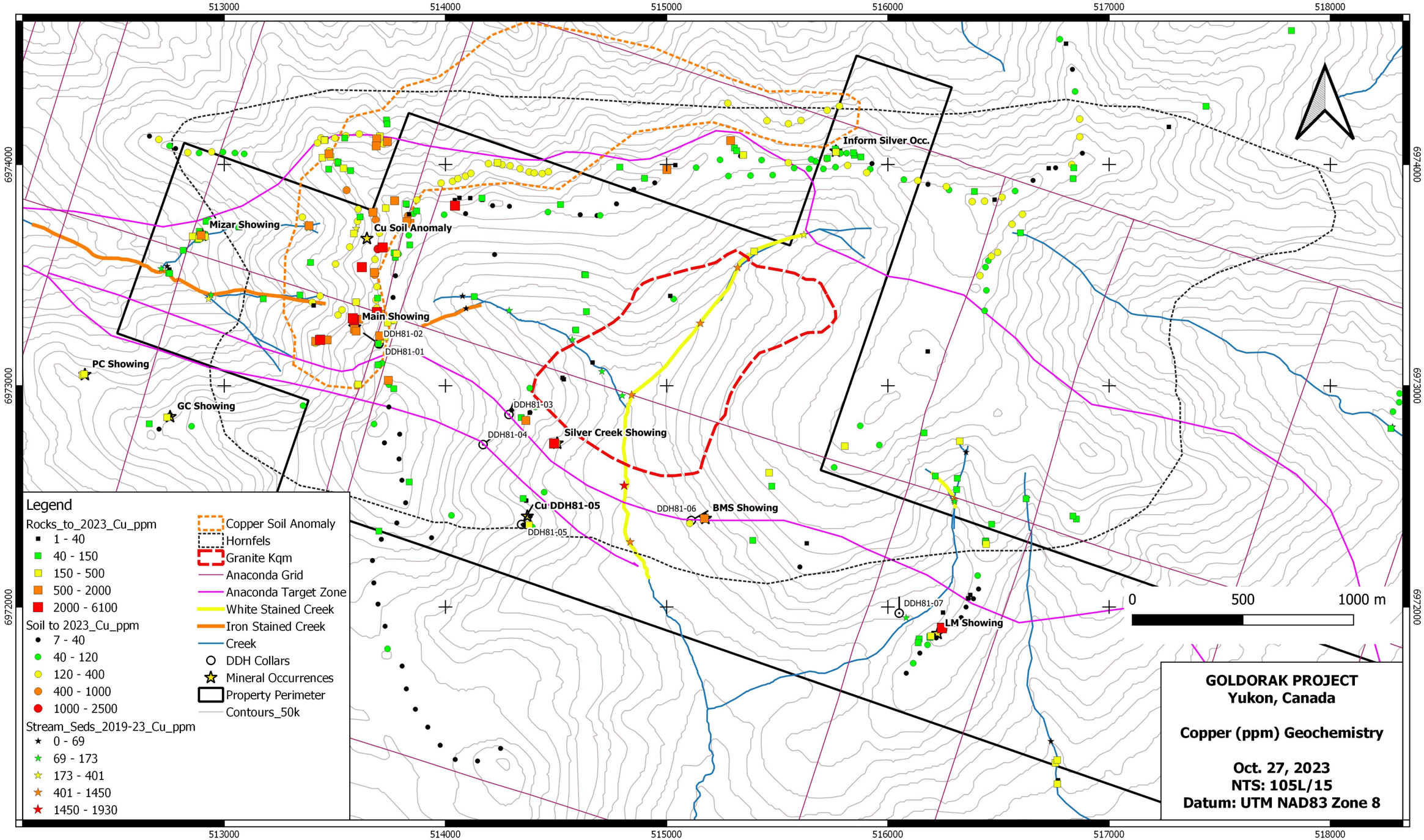


Figure 11, ACTA Claims, Copper Geochemistry

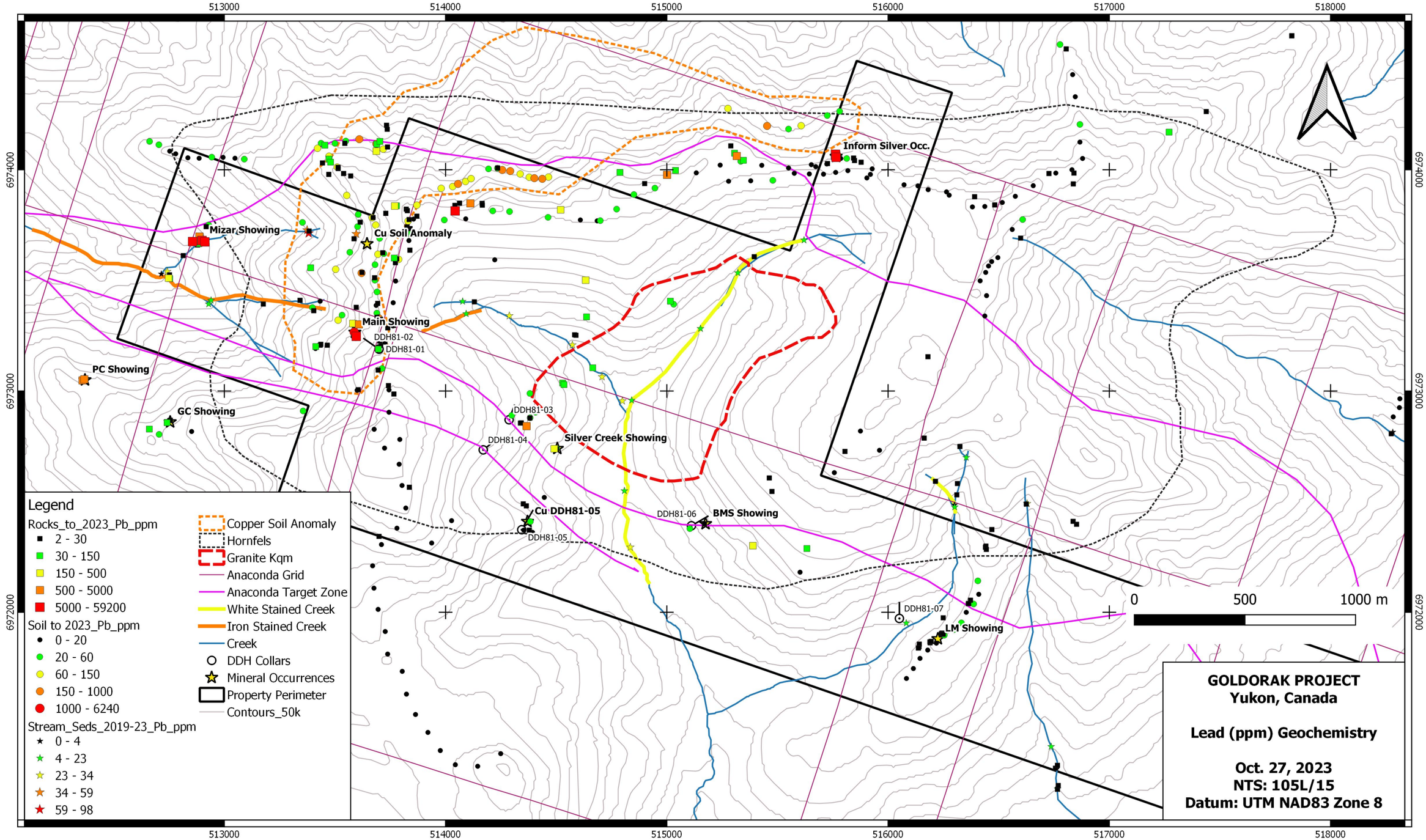


Figure 12, ACTA Claims, Lead Geochemistry

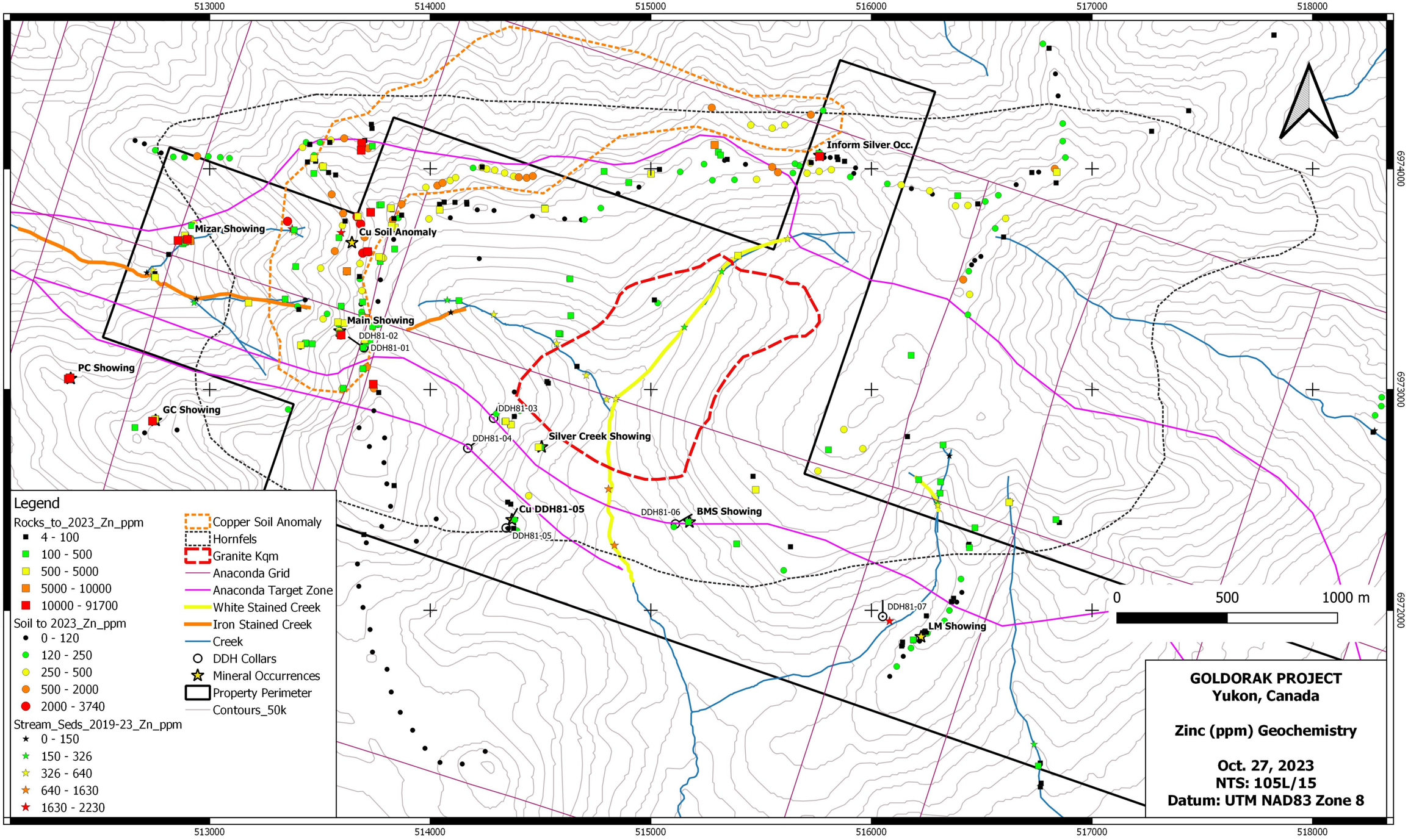


Figure 13, ACTA Claims, Zinc Geochemistry

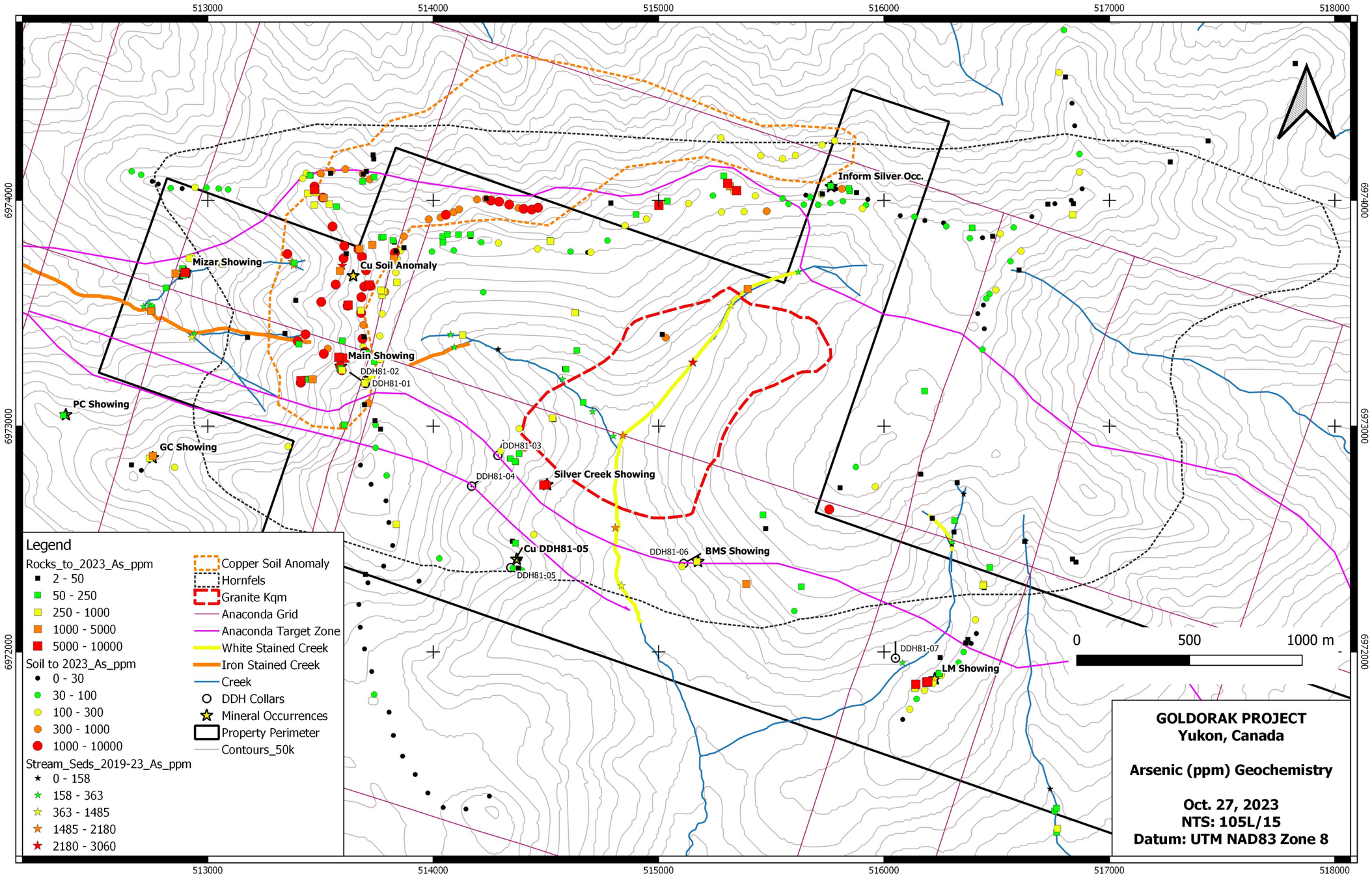


Figure 14, ACTA Claims, Arsenic Geochemistry

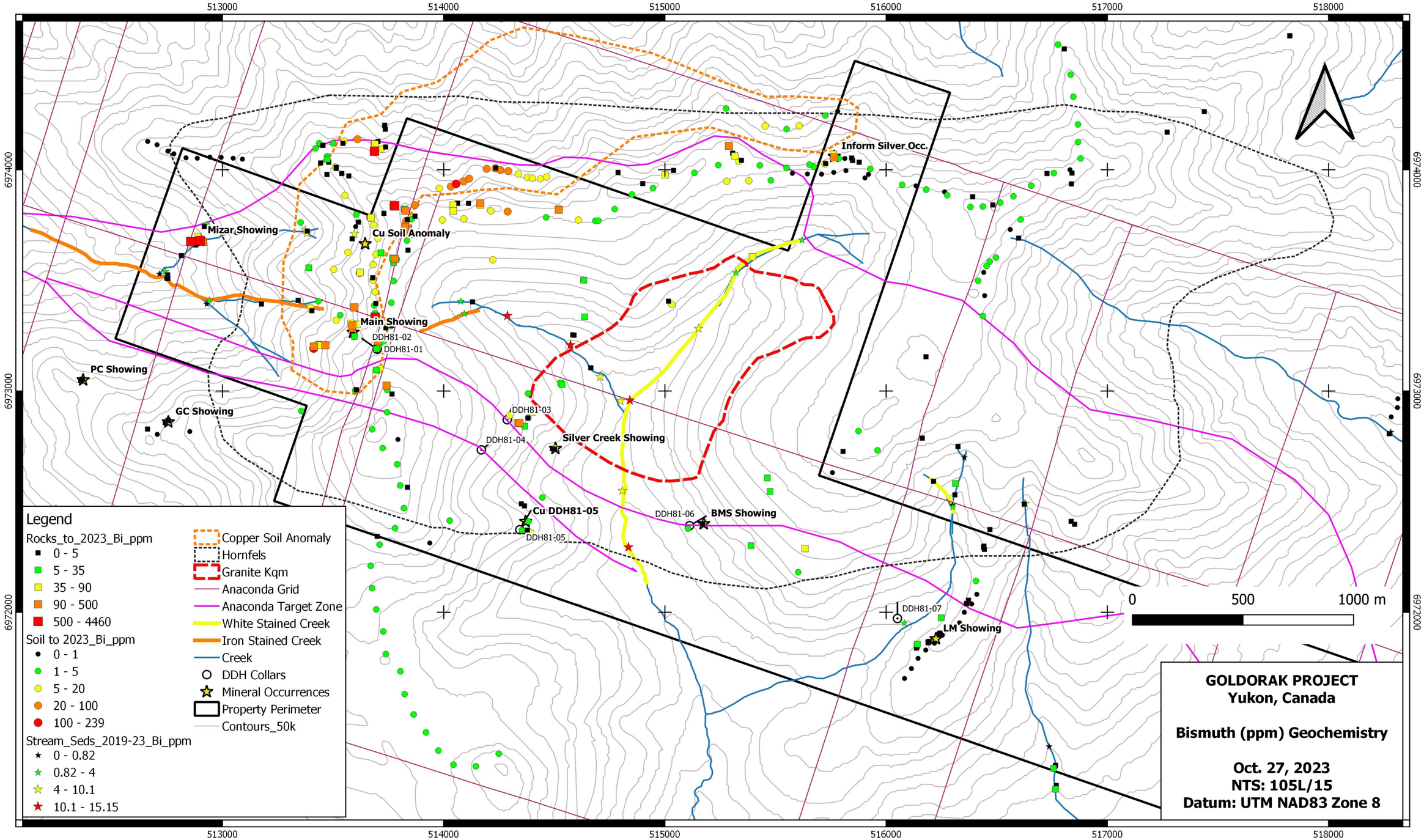


Figure 15, ACTA Claims, Bismuth Geochemistry

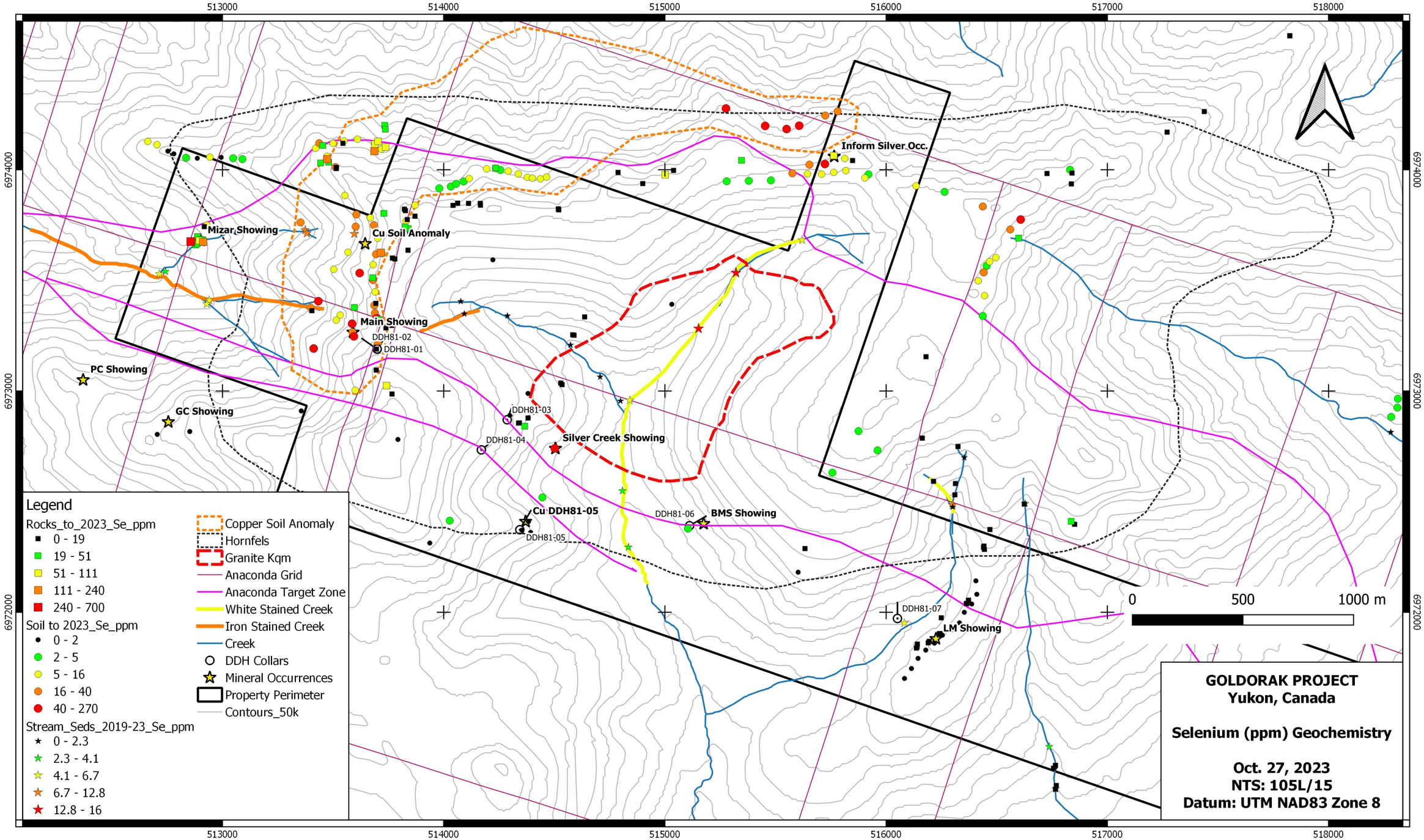


Figure 16, ACTA Claims, Selenium Geochemistry

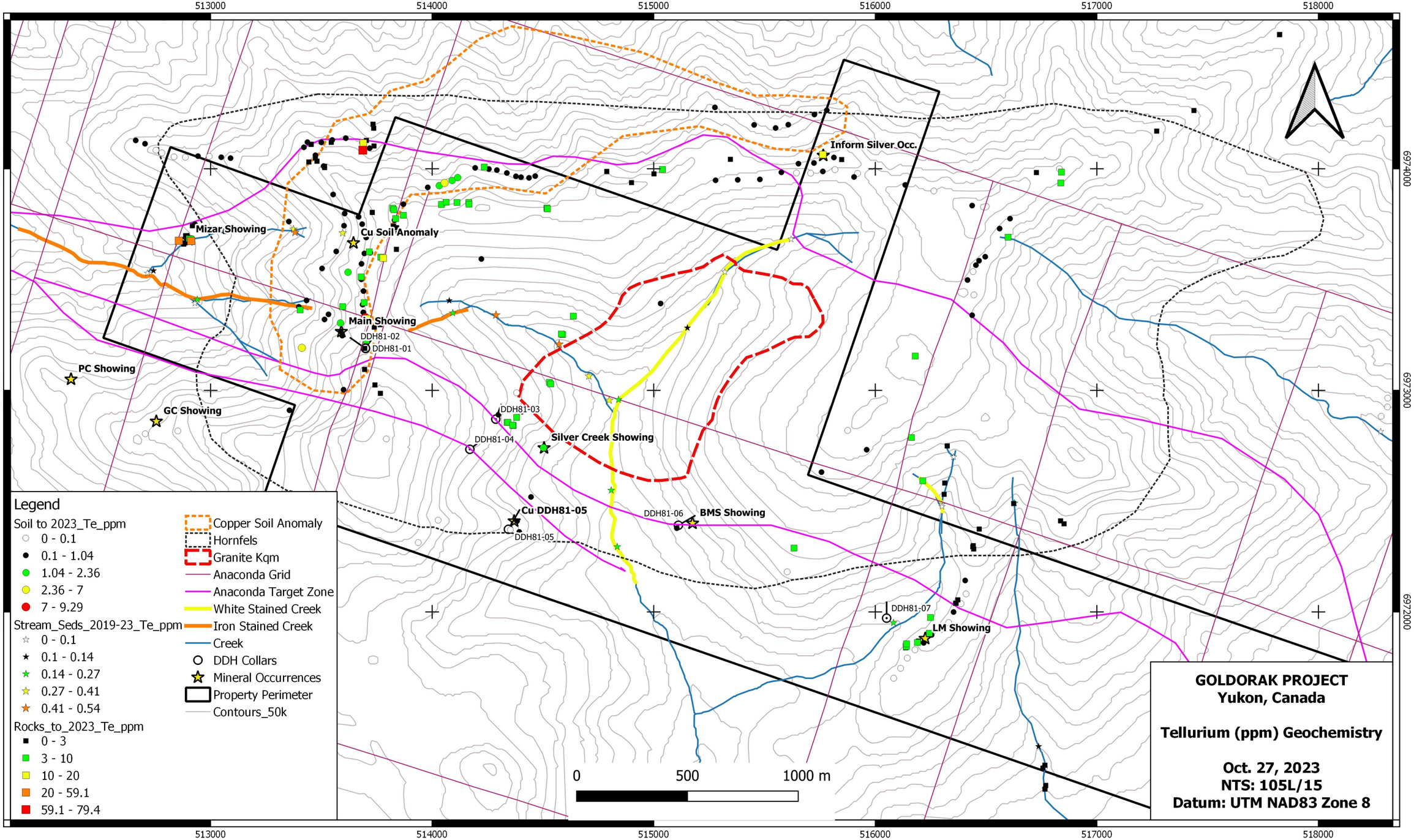


Figure 17, ACTA Claims, Tellurium Geochemistry

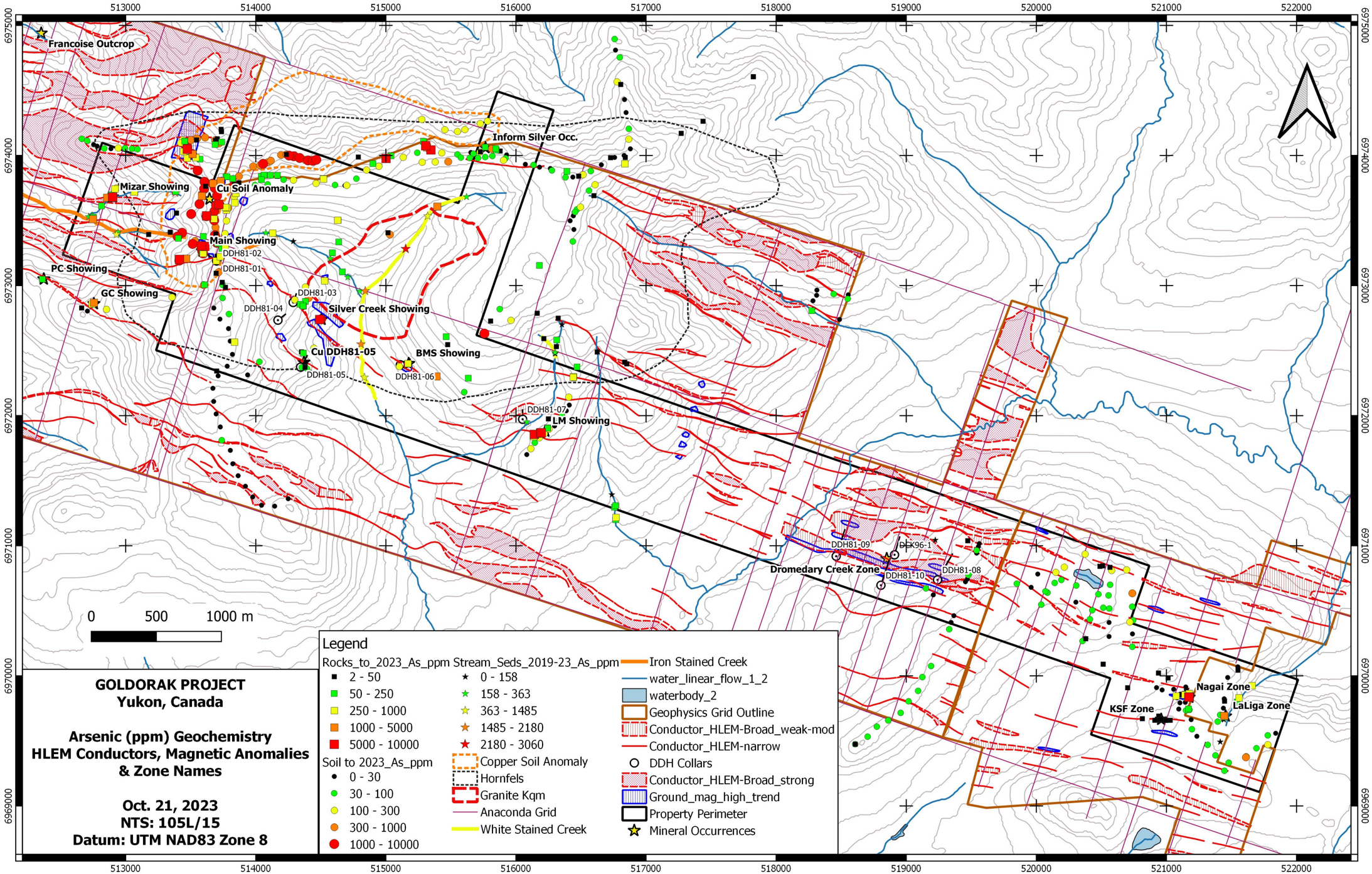


Figure 20. Grid Survey HLEM Conductors, Magnetic Highs and Arsenic Geochemistry.