

# Yukon hard rock mining, development and exploration overview 2018

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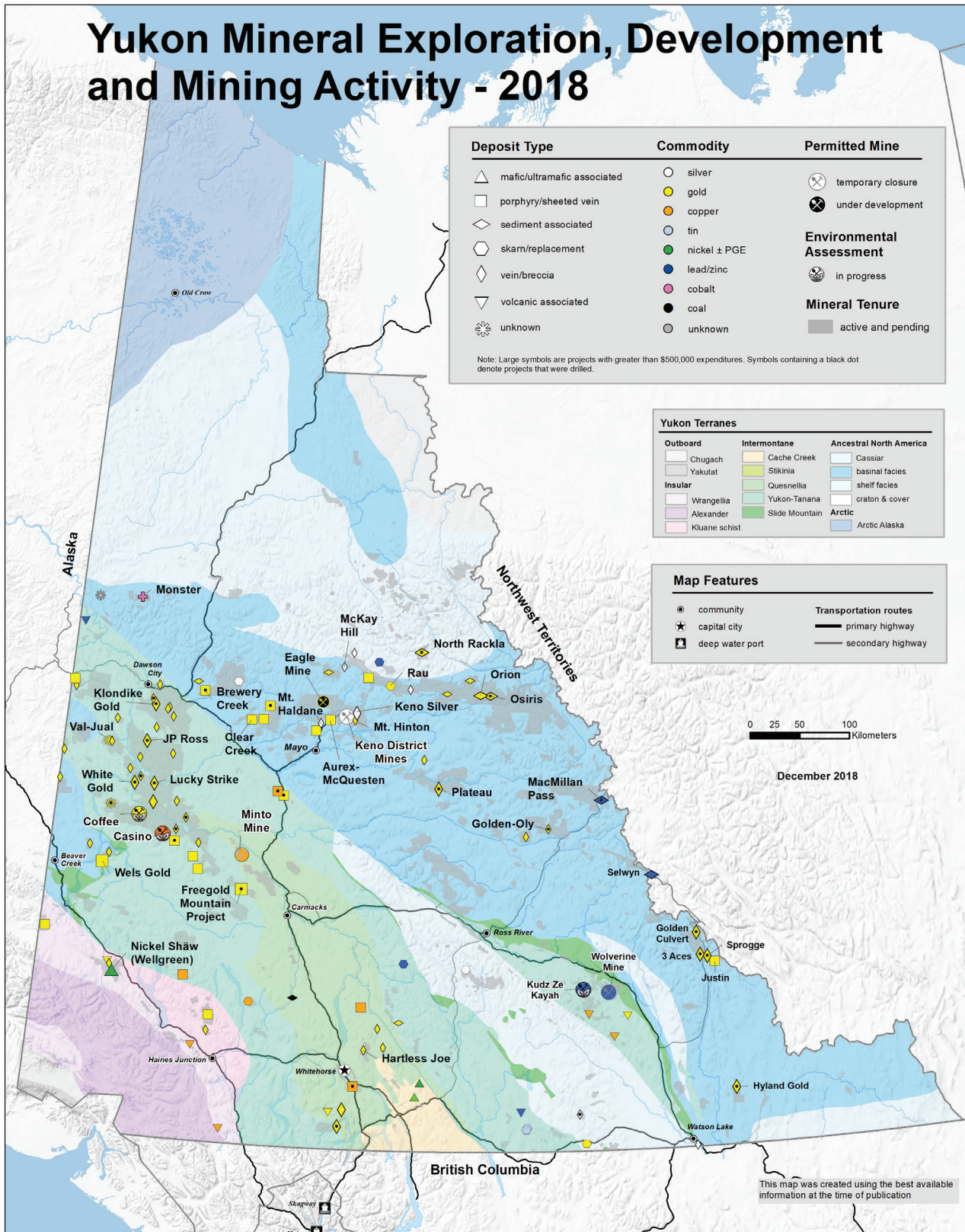
## Introduction

Mineral exploration remained strong in 2018. More than 110 exploration projects were active (Fig. 1); 28% of these were drilled (Fig. 2). Gold continues to be the most sought-after commodity, with 65% of projects and 81% of the exploration funding targeting gold. The remainder of projects were focused on lead-zinc, copper, silver, and nickel-PGEs, and to a lesser extent, tin, cobalt, and jade. Exploration expenditures were almost \$CAN115 million (Fig. 3). Development expenditures are estimated at \$CAN410 million, primarily for the development of Victoria Gold Corp.'s Eagle Mine in central Yukon, as well as the advancement of Goldcorp Inc.'s Coffee gold project in western Yukon.

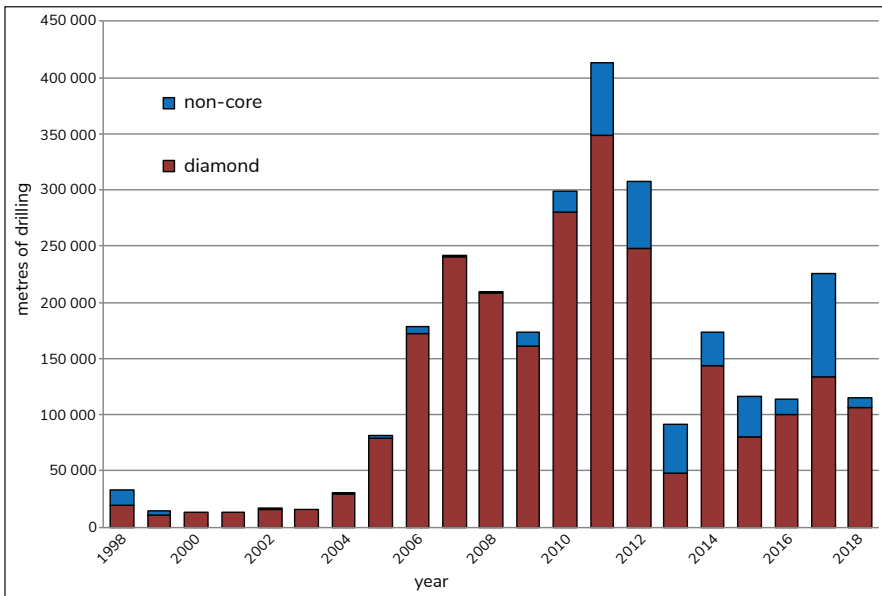
Funding for the Yukon Mineral Exploration Program (YMEP), a grant program that helps companies offset exploration costs, was maintained at \$CAN1.6 million for 2018/19. YMEP funds were distributed to 40 hard rock and 22 placer exploration projects (see Torgerson, 2018 in this volume for more information).

The number of hard rock claims staked in 2018 remained low at 5405, but the number of claims active and in good standing only dipped slightly to 185,036 (Fig. 4).

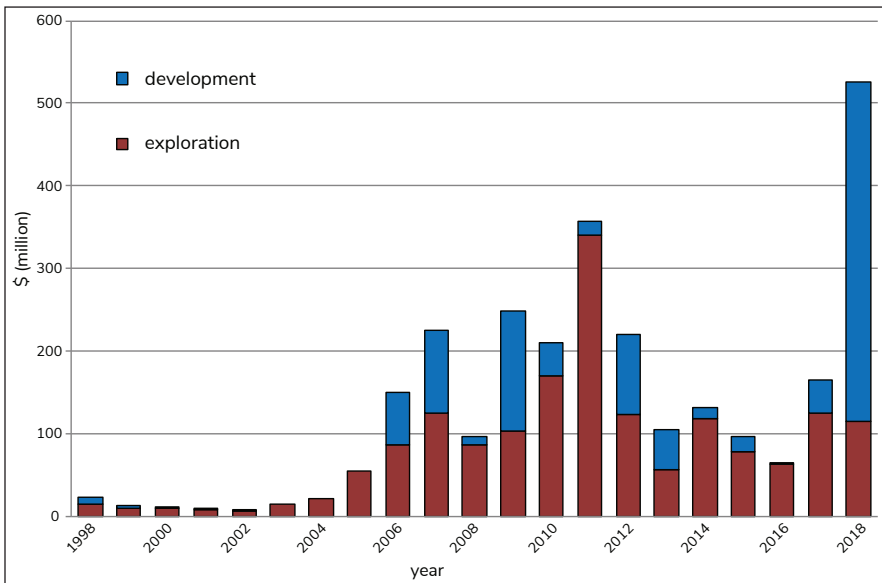
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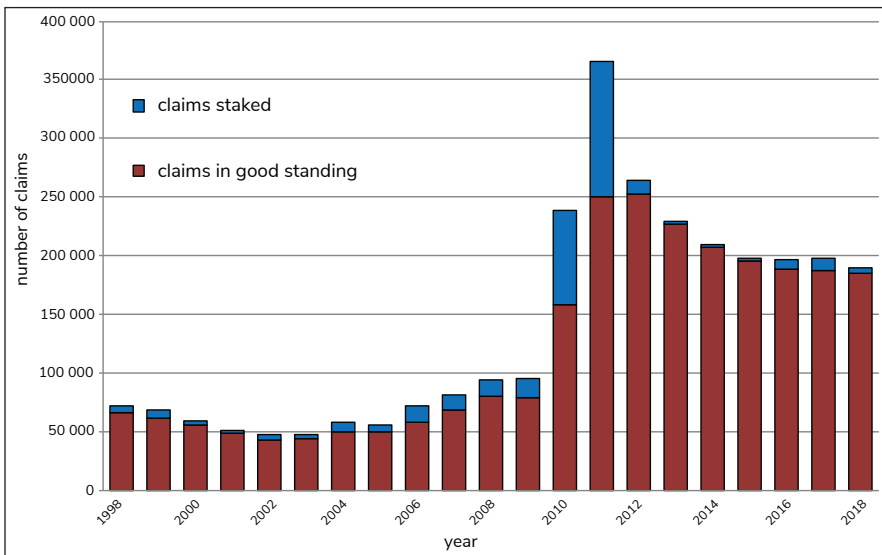
**Figure 1.** Yukon exploration, development and mining projects, 2018. Large symbols represent projects having estimated expenditures  $\geq$ \$500 000; small symbols having expenditures  $<$ \$500 000. Black dot in the centre of a symbol indicates that drilling constituted part of the exploration activities.



**Figure 2.** Diamond drilling and reverse circulation or rotary air blast drilling, 1998–2018.



**Figure 3.** Estimated exploration and development expenditures on hard rock projects, 1998–2018.



**Figure 4.** Hard rock claims staked and in good standing, 1998–2018.

## Mining and Development

### Hard Rock Mining

The territory's only hard rock mine (Minto copper-gold-silver) was on track to change ownership in 2018. In February, Capstone Mining Corp. ([www.capstonemining.com](http://www.capstonemining.com)) announced an agreement to sell the Minto Mine to Pembridge Resources plc for \$CAN37.5 million plus 9.9% of Pembridge shares. Difficult market conditions through the summer prevented Pembridge from closing the financing. In October, Capstone terminated the agreement and announced that mining operations would cease and the site would be placed on temporary care and maintenance. Pembridge remains interested in the operation and, while they have lost exclusivity, are working towards renegotiating the acquisition terms. In the first nine months of 2018, Minto produced 9421 tonnes of copper, 7812 ounces of gold and 89,000 ounces of silver.

Victoria Gold Corp. ([www.vitgoldcorp.com](http://www.vitgoldcorp.com)) began mine construction at its Eagle intrusion-related gold deposit in central Yukon (Fig. 5). Capital expenditures are estimated at \$CAN369 million. The company is on target to pour its first gold in Q2 2019, and once in full production, plans to produce 200,000 ounces of gold per year from the open pit operation. Late in 2018, Victoria Gold announced an increase of the mineral

resource by 450,000 ounces of gold (Table 1). In tandem with mine development, the company continued to explore the larger Dublin Gulch property outside the Eagle deposit with 5395 m of diamond drilling (29 holes), trenching, mapping and soil sampling. Drilling on the untested Nugget zone, 12 km east of the Eagle deposit, demonstrated the prospectivity outside the development area: diamond drill hole NG18-006C intersected 101.5 m of 0.57 g/t Au from near surface at Nugget.



Figure 5. Aerial view of Victoria Gold Corp's Eagle gold project.

Table 1. Updated mineral resource for Victoria Gold Corp.'s Dublin Gulch property.

Zone	Category	Tonnage	Au (g/t)	Contained Au (oz)	Ag (g/t)	Contained Ag (oz)
Eagle	Measured	36,061,386	0.715	828,978		
	Indicated	162,658,881	0.622	3,252,840		
	Inferred	12,780,597	0.498	204,633		
	<b>Total</b>	<b>211,500,864</b>		<b>4,286,450</b>		
Olive	Measured	2,000,000	1.19	76,519	2.31	148,538
	Indicated	7,500,000	1.05	253,189	2.06	496,733
	Inferred	7,300,000	0.89	208,885	1.70	398,994
	<b>Total</b>	<b>16,800,000</b>		<b>538,594</b>		<b>1,044,264</b>

Goldcorp Inc. ([www.goldcorp.com](http://www.goldcorp.com)) submitted its application for permitting of the Coffee gold property to the Yukon Environmental and Socioeconomic Assessment Board (YESAB) in the spring of 2017. The 2.16 million ounce (proven & probable reserve) gold property is envisioned as an open pit/heap leach operation. Permitting and detailed engineering are expected to be completed in 2020. Commercial production is targeted for 2021. The company continued exploring the property with a \$35 million drill program to upgrade the resource and define additional oxide resources. Drill results have not been released.

Although not actively mining, Alexco Resources Ltd. ([www.alexcoresource.com](http://www.alexcoresource.com)) is advancing the Birmingham and the Flame & Moth deposits in the Keno Hill silver district. Underground work continued at the Flame & Moth decline and underground drilling at Birmingham intersected spectacular grades including 4.29 m grading 3605 g/t Ag in the Bear vein; 3.96 m grading 3348 g/t Ag in the Birmingham Footwall vein; and, 4.10 m grading 1575 g/t Ag in the Birmingham Main vein. As a result of exploration work conducted in 2017 and 2018, the Birmingham indicated mineral

resource has expanded from 17.3 million ounces to 33.3 million ounces of contained silver at an average silver grade of 628 g/t, while inferred mineral resources have increased from 5.5 million ounces to 10.4 million ounces of contained silver at an average silver grade of 526 g/t. A pre-feasibility study for the Birmingham and Flame & Moth is expected in the first quarter of 2019.

BMC Minerals Ltd. (<http://bmcminerals.com>), a private company, advanced its Kudz Ze Kayah volcanogenic massive sulphide (VMS) copper-zinc-lead property in east-central Yukon. An application to develop the ABM deposit (Fig. 6) on the property was submitted to YESAB in March 2017 and entered the screening stage in January 2018. A positive pre-feasibility study for the ABM deposit in 2017 envisioned an open pit and small underground mine processing 2 million tonnes per year with a nine year mine life. Total capital requirements over the life of the mine are calculated at \$CAN530 million. The company continued to explore the property with 4055 m of diamond drilling in 22 holes, an electromagnetic survey, soil geochemical sampling and mapping in 2018. Results have yet to be released.

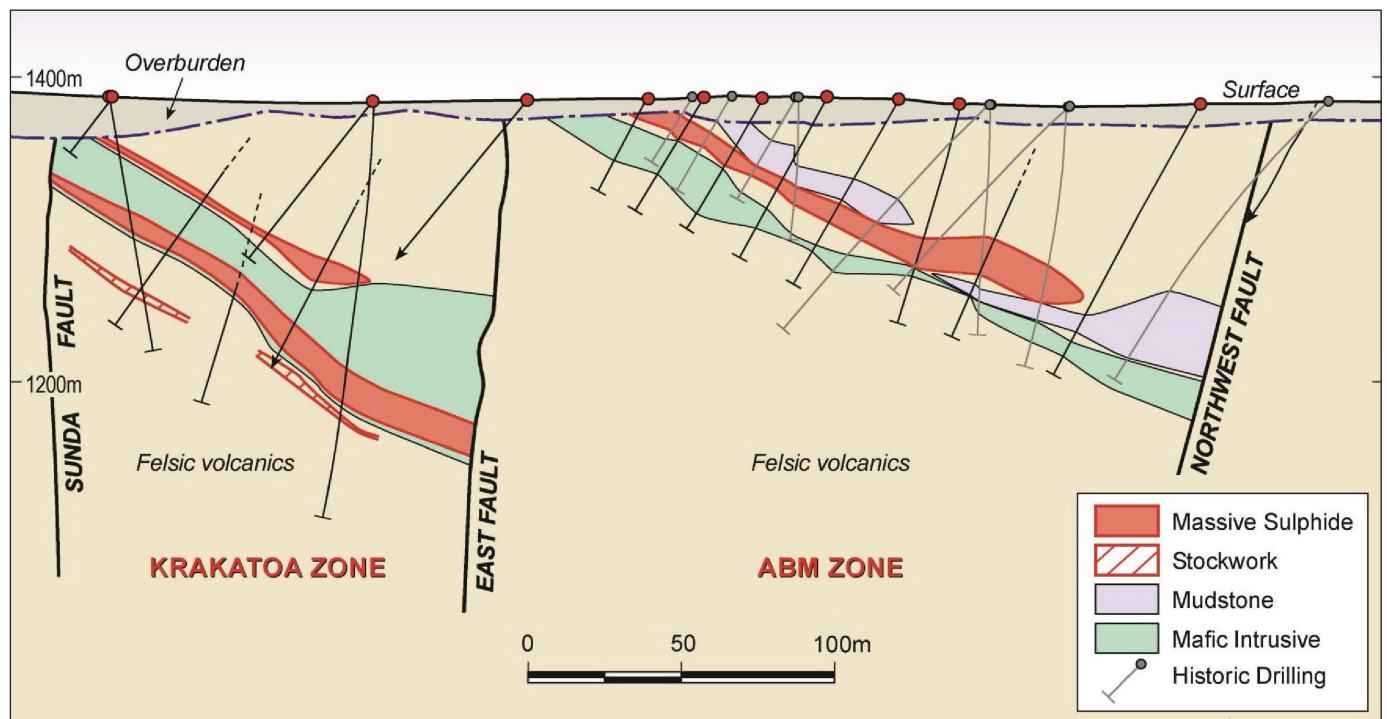


Figure 6. Sketch showing a cross section of BMC Minerals' ABM deposit.

Western Copper and Gold Corporation ([www.westerncopperandgold.com](http://www.westerncopperandgold.com)) is undertaking adequacy work to complete its application to YESAB for panel review of its Casino porphyry copper-gold-molybdenum project in western Yukon. In November, 2018, the company completed a Best Available Tailing Technology Study for Tailings and Waste Rock Management at the site.

Yukon Zinc Corp.'s ([www.yukonzinc.com](http://www.yukonzinc.com)) volcanogenic massive sulphide Wolverine Mine in eastern Yukon has been in temporary closure since 2015. In October, 2018, the Yukon government announced the mine had been sold to a new owner. No further details on the sale have been disclosed.

### Significant Exploration Projects— Precious Metals

Atac Resources Ltd. ([www.atacresources.com](http://www.atacresources.com)) explored its extensive Rackla Gold Project in north-central Yukon. The western part of the property, the Rau Trend, includes the Tiger carbonate replacement gold deposit (5.68 Mt @ 2.66 g/t Au, totaling 490,000 contained ounces of gold). A positive recommendation from YESAB for an access road to the site was made, but final approval for road construction is pending. The 2018 program focused on mapping, prospecting and hand trenching at the newly discovered Bobcat Au-Cu skarn target. Hand-pitting at Bobcat returned samples up to 6.07 g/t Au and 7.41% Cu.

Atac Resources optioned the central part of its Rackla Gold property (Orion) to Barrick Gold Corp. ([www.barrick.com](http://www.barrick.com)) in April 2017. The 7410 m (16 holes) diamond drill program in 2018 was designed to test the mineralized Anubis fault corridor; geochemical and geophysical anomalies; and, fault intersections of geochemically anomalous structures. High-grade gold was intersected in four step-out holes along the Anubis fault, e.g., BDO-017 intersected 7.61 m of 10.48 g/t Au 380 m down dip from the Anubis discovery outcrop. Despite the drilling success, Barrick terminated the option for the property in late 2018.

Atac Resources' eastern portion of the Rackla belt is the Osiris project, which hosts the Conrad, Osiris, Sunrise and Ibis Carlin-style gold zones. An initial resource on the Osiris Deposit was announced in June 2018: 12.38 Mt @ 4.24 g/t Au, for a total of 1.7 million ounces of gold. The company budgeted for 10 000 m of diamond drilling within the trend and had great drilling success. Drilling at the Sunrise zone returned one of the highest grade intervals to date: 26.70 m of 12.95 g/t Au in hole OS-18-273. At the Conrad zone, drill hole OS-18-266, intersected two main faults and demonstrated the importance of structural control on mineralization, assaying 2.83 g/t Au across 52.91 m.

Triumph Gold Corp. ([www.triumphgoldcorp.com](http://www.triumphgoldcorp.com)) explored its Freegold Mountain project with 17 566 m in 74 diamond drill holes (Fig. 7). Other work included magnetic and IP surveys, soil sampling, trenching, prospecting and mapping. The discovery of the Blue Sky porphyry on the property shifted focus away from the Revenue breccia toward this significant higher grade target. Diamond drill hole RVD18-19 intersected 1.10 g/t Au and 0.27% Cu across 316 m at Blue Sky. Drilling success was also achieved at other targets on the property: Nucleus drill hole DDH N18-17 returned 1.184 g/t Au across 59.5 m; Granger drilling returned 0.98 g/t Au across 18.39 m in drill hole RVD18-33; WAu Breccia drill hole RVD18-08 returned 0.639 g/t Au, 0.17% Cu over 128.00 m.



**Figure 7.** Exploration roads at the Blue Sky Zone on Triumph Gold Corp.'s Freegold Mountain project.

White Gold Corp. (WGC; [www.whitegoldcorp.ca](http://www.whitegoldcorp.ca)) continued to explore its large portfolio of properties in western Yukon. The biggest programs were at White Gold and JP Ross. Overall, the 2018 exploration program comprised 16 176 m of diamond drilling, 2397 m of reverse circulation drilling, 100 holes of rotary air blast (RAB) drilling, IP surveys, airborne magnetic and DIGHEM surveys, drone surveys, rock and soil sampling, and mapping over 18 properties. At the White Gold property, step-out drilling hit substantial gold mineralization at the new Golden Saddle West target: 2.32 g/t Au across 115.61 m in hole WHTGS18D0194. At the Ryan's Showing, high-grade gold mineralization was intersected in discovery hole WHTRYN18RC0001: 20.64 g/t Au across 6.10 m. WGC's program at JP Ross resulted in the discovery of the Vertigo target, a 1.5 km long gold mineralized trend. RAB drilling at Vertigo identified several mineralized intersections including 23.44 g/t Au and 145 g/t Ag across 24.38 m, starting at surface.

Klondike Gold Corp. ([www.klondikegoldcorp.com](http://www.klondikegoldcorp.com)) explored its Klondike Gold property south of Dawson City. The recent recognition of disseminated gold in schist between mineralized quartz veins led the company to resample historic drill core. At the Nugget zone, resampling of diamond drill hole EC15-15 returned 58.10 m of 1.03 g/t Au (the original assay was 1.8 m of 3.7 g/t Au). A total of 9511.93 m of new diamond drilling was completed in 2018 (87 drill holes). Drilling tested near-surface mineralization at the Lone Star, Nugget, Gold Run, French and Glacier targets. At Lone Star, diamond drill hole LS18-201 intersected a wide interval of gold mineralization: 91.0 m of 1.02 g/t Au.

Goldstrike Resources Ltd. ([www.goldstrikeresources.com](http://www.goldstrikeresources.com)) struck a deal with Newmont Mining in March of 2017 for investment in its flagship Plateau Property, east of Mayo. The 2018 exploration program included 7753 m of drilling in 26 holes, sampling, and ground geophysical surveys. Ten of the drill holes were successful in intersecting gold mineralization of >0.5 g/t Au, with intercepts of up to 7.17 g/t Au across 0.85 m at Gold Dome.

Golden Predator Mining Corp. ([www.goldenpredator.com](http://www.goldenpredator.com)) explored its 3 Aces orogenic gold project in southeastern Yukon with 4772 m of diamond drilling, 392 m of RC drilling and geological mapping (Fig. 8). One of the better intersections was at the Sprogge area, which has been interpreted as a blind intrusion-related target, younger than the orogenic system. Diamond drill hole 3A18-335 intersected 16.86 m of 1.35 g/t Au at Sprogge.



**Figure 8.** Geologists examine a gold-bearing quartz vein at the Jack of Spades showing of Golden Predator Mining Corp.'s 3 Aces property.

Golden Predator also conducted a small drill program for a metallurgical study at its Brewery Creek gold project in central Yukon. Highlights of the 1628 m program include 5.05 g/t Au across 8.5 m at the Lucky zone (DDH BC-18-604) and 21.0 g/t Au across 2.0 m (DDH BC-18-605) at the Lone Star zone.

In western Yukon, Lucky Strike Resources ([www.luckystrikeres.com](http://www.luckystrikeres.com)) built upon the discovery drilling of 2017 at its Lucky Strike gold property. Drilling was focused on the Monte Carlo zone (1359.7 m in 11 diamond drill holes). Diamond drill hole DDLS-18-06 returned 1.16 g/t Au across 8.3 m in the upper part of the zone and 4.55 g/t Au across 7.6 m in the lower gold-sulphide zone, which is coincident with a strong 1.8 km long IP chargeability anomaly. The company also carried out trenching along the 10 km Lucky Strike corridor which delineated new drill targets at the Maverick and Belmont zones.

Stratabound Minerals Corp. ([www.stratabound.ca](http://www.stratabound.ca)) optioned the Golden Culvert project in southeastern Yukon and drilled the very first holes on the property, completing 1350 m of diamond drilling in 8 holes (Fig. 9). In addition, the company soil sampled, prospected, mapped and trenched. Significant drill intersections include 2.53 g/t Au across 33.1 m in DDH GC1803.

Banyan Gold Corp.'s ([www.banyangold.com](http://www.banyangold.com)) main project in Yukon is Hyland Gold in the southeastern part of the territory. A modest program of 1360 m diamond drilling in 11 holes was carried out. One of the better intersections assayed 0.73 g/t Au and 5.61 g/t Ag across 85.0 m in diamond drill hole HY18-077. Banyan also explored its newly acquired Aurex property in the Keno area with 1414 m of diamond drilling (12 holes), trenching and soil sampling. Drill highlights include 113.0 m of 0.74 g/t Au in DDH MQ-18-34.

Strategic Metals Ltd. ([www.strategicmetalsltd.com](http://www.strategicmetalsltd.com)) explored its Mt. Hinton gold project with soil sampling and prospecting. The soil anomaly on the property has been extended to 3 km in length, with numerous soils returning greater than 1 g/t Au. Chip sampling of vein 12 returned 8.82 g/t Au, 63.48 g/t Ag and 2.34% Pb across 1.95 m. Float samples have returned up to 17.25 g/t Au and 633 g/t Ag. Strategic also revisited its Hartless Joe property and completed a grassroots program of soil sampling, hand trenching and



**Figure 9.** Stratabound Minerals Corp.'s exploration camp on the Golden Culvert property.

prospecting. Trenching at Grumpy returned 9.57 g/t Au across 2 m. Rock samples yielded up to 49.8 g/t Au and 365 g/t Ag. Strategic completed small programs at 18 of its projects, scattered throughout Yukon.

K2 Gold Corp. ([www.K2gold.com](http://www.K2gold.com)) continued work at the Wels intrusion-related gold property in southwestern Yukon. LiDAR, and ground magnetic and VLF-EM surveys helped the company identify major structures on the property. Prospecting these structures returned significant assays including 4.07 g/t Au at the Pekoe target from a quartz-carbonate gabbro sample. At the Saddle Area, quartz vein float assayed 43.0 g/t Au. The mineralized footprint has been expanded to 4 by 2 km wide.

Aben Resources Ltd. ([www.abenresources.com](http://www.abenresources.com)) focused efforts on a new gold-bearing zone discovered in 2017 at the Justin property in southeastern Yukon (Fig. 10). This Lost Ace zone is characterized by visible gold in quartz veins, similar to mineralization at the neighbouring 3 Aces project of Golden Predator. The exploration program included trenching, channel sampling and prospecting. Results are pending.

Kestrel Gold Inc. ([www.kestrelgold.com](http://www.kestrelgold.com)) explored the Clear Creek property west of the Eagle Mine development. The 2018 field program focused on the Saddle zone. Assay results include a peak value of 3613 ppb Au from soil samples, up to 25.1 g/t Au from mineralized sedimentary rocks, and up to 11.8 g/t Au

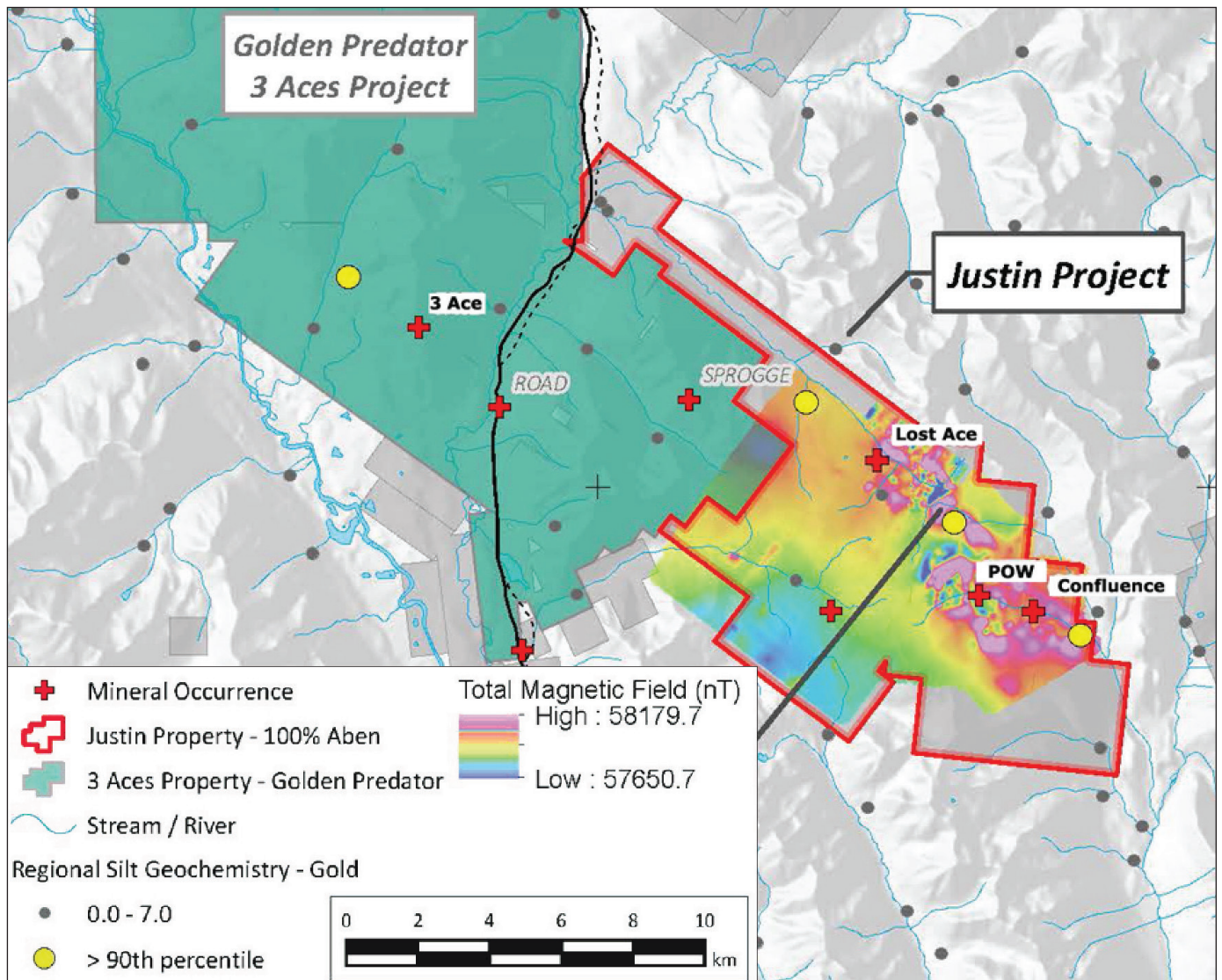


Figure 10. Aben Resources’ Justin gold property, modified from website image [accessed Dec. 12, 2018].

from intrusive rocks cut by sheeted quartz veining. The Saddle zone is an approximately 300 x 950 m east-trending gold zone. Gold correlation with anomalous bismuth, tungsten and arsenic values suggests a fit with the intrusion-related gold deposit model.

Kestrel also worked the Val-Jual property in the White Gold district with a soil sampling program. The program expanded two anomalous zones, Teckphel and Cupid East, with values up to 12 400 ppb Au. The anomalies appear to be coincident with northwest and east-west trending magnetic linear features. Historic trenching has returned up to 11.1 g/t Au across 3 m and 1.0 g/t Au across 19 m, while historic drilling has returned 0.34 g/t Au across 54 m and 0.931 g/t Au across 13.71 m.

Strikepoint Gold Inc. ([www.strikepointgold.com](http://www.strikepointgold.com)) worked its Golden-Oly project off the North Canal road with a 1000 m diamond drill program at the Colossus target. Gold is hosted in quartz-arsenopyrite sheeted veins. Results are pending.

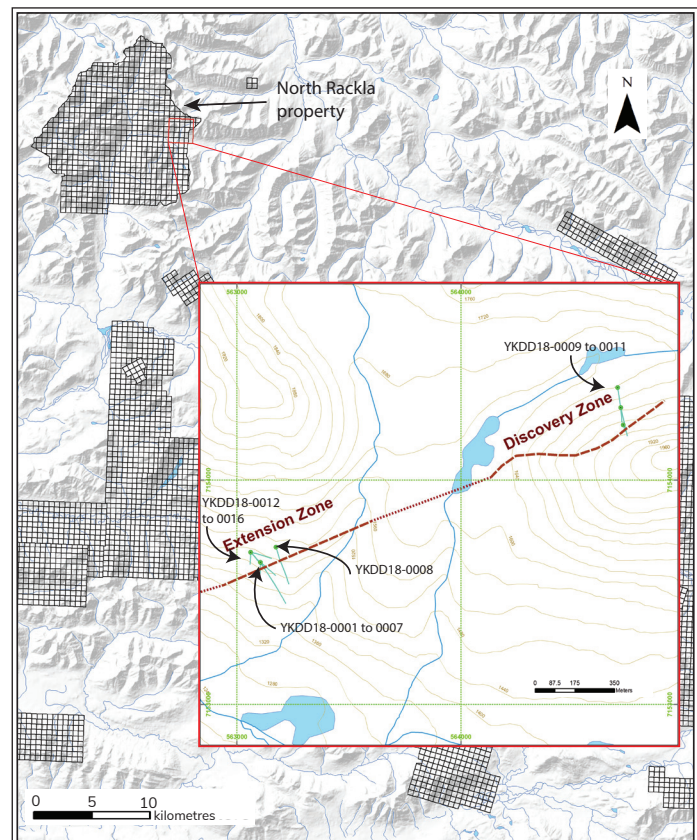
Metallic Minerals Corp. ([www.metallic-minerals.com](http://www.metallic-minerals.com)) explored its Keno Silver Project in the historic Keno Hill silver district with drilling at the Formo, Homestake and Caribou targets. Drill results are pending. The company carried out drone-based geophysics, soil sampling, detailed stratigraphic mapping and trenching on 20 targets in the district. The company also explored its McKay Hill prospect north of Keno, expanding the silver-in-soil anomaly and uncovering multiple new high-grade silver veins.

## Significant Exploration Projects—Base Metals

Base metal exploration continues to bring impressive results from the historic Tom and Jason (MacMillan Pass) sedimentary exhalative lead-zinc deposits. Fireweed Zinc Ltd. ([www.fireweedzinc.com](http://www.fireweedzinc.com)) drilled some of the highest-grade intercepts at the Tom East occurrence: 21.1% Zn, 13.5% Pb and 243 g/t Ag across 16.41 m in DDH TS18-004. The comprehensive exploration program included 5497 m of diamond drilling

(20 holes), mapping, sampling and ground gravity. Drilling at the under-explored End zone target, northwest of Jason, returned significant intersections, e.g., 4.78% Zn, 10.17% Pb and 87 g/t Ag across 11.08 m in DDH EZ18-002. Fireweed Zinc released an updated resource for the Tom and Jason deposits in 2018: 50.68 million tonnes grading 6.01% Zn, 2.99% Pb and 34.43 g/t Ag (indicated and inferred).

Cantex Mine Development Corp. ([www.cantex.ca](http://www.cantex.ca)) explored its North Rackla property in central Yukon with a modest diamond drilling program (7 drill holes; Fig. 11). The company made a new discovery, with massive sulphide mineralization containing galena and sphalerite encountered in drilling. Diamond drill hole YKDD18-12 intersected 13.00 m of 150.6 g/t Ag, 7.85% Pb and 15.86% Zn and a slightly deeper intersection of 7.00 m grading 22.0 g/t Ag, 1.23% Pb and 8.27% Zn. The lead and zinc assays for this hole, as well as several other holes, were over-limit and required re-assaying.



**Figure 11.** Drill collar locations at the North Rackla property of Cantex Mine Development.

In 2018, Nickel Creek Platinum Corp. ([www.nickelcreekplatinum.com](http://www.nickelcreekplatinum.com)) conducted geological mapping and IP geophysical surveys on underexplored targets at its Nickel Shāw project (formerly Wellgreen) in southwestern Yukon. Results are pending. The company also released an updated mineral resource: 323 million tonnes containing 1.9 billion lbs Ni, 1.1 billion lbs Cu, 107 million lbs Co and 5.8 million oz PGM+Au (measured & indicated). The new resource was re-calculated after metallurgical tests demonstrated a strong correlation between higher total sulphide content and higher nickel recovery.

The Mt. Haldane property in the Keno area saw renewed activity in 2018 with a small sampling program by Alianza Minerals Ltd ([www.alianzaminerals.com](http://www.alianzaminerals.com)). The program was successful in identifying two new soil anomalies and expanding two known soil anomalies. The Ross soil anomaly is 600 m long with values greater than 1000 ppm Zn and up to 1455 ppm Pb. The strike potential of the Mt. Haldane Vein system is underpinned by a soil anomaly that has been extended to 3.5 km in length.

Selwyn Chihong Mining Ltd. ([www.selwynchihong.com](http://www.selwynchihong.com)) continued to do work at its sedimentary exhalative Selwyn property in eastern Yukon. In 2018, work included site reclamation, baseline environmental research, permitting for the Howards Pass Access Road, as well as engineering work.

At least one company was exploring for cobalt in Yukon. Go Cobalt Mining Corp. ([www.gocobalt.ca](http://www.gocobalt.ca)) worked its Monster property within a Proterozoic inlier north of Dawson City with prospecting, sampling, mapping and trenching. Rock assay highlights from this early stage project include 2.96% Co and 2.96% Cu from the Arena target and 9.61% Co and 3.19% Cu from the Bloom Target.

For further up-to-date information on all 2018 projects, please see the online Exploration Activity ArcGIS map at <https://apps.ynet.gov.yk.ca/expdb/f?p=200:1:3987141858328::::>

## References

- Torgerson, D., 2019. Yukon Mineral Exploration Program update for 2018. In: Yukon Exploration and Geology Overview 2018, K.E. MacFarlane (ed.), Yukon Geological Survey, p. 25–36.
- Yukon MINFILE, 2018. Yukon MINFILE - A database of mineral occurrences. Yukon Geological Survey, <<http://data.geology.gov.yk.ca>> [accessed December 11, 2018].

## Appendix 1. Exploration projects 2018.

Project	Owner/Optioner	Yukon MINFILE	Commodity	Deposit type	Level of Advancement
3 Aces	Golden Predator Mining Corp.	105H 066	Gold	vein/breccia	diamond drilled
All-In	Richards, Gord	-	Copper	porphyry/sheeted vein	grassroots - never drilled
Aurex-McQuesten	Banyan Gold Corp.	105M 060	Gold	porphyry/sheeted vein	diamond drilled
Ball	Bluebird Battery Metals Inc.	115A 005	Copper	volcanic associated	grassroots - never drilled
Birmingham	Alexco Resource Corp.	105M 086	Silver	vein/breccia	NI 43-101 defined resource
Betty	White Gold Corp.	115J 074	Gold	vein/breccia	R/C drilled
Black Fox	White Gold Corp.	115O 169	Gold	vein/breccia	diamond drilled
Black Hills	White Gold Corp.	-	Gold	vein/breccia	R/C drilled
Blende	Blind Creek Resources Ltd.	106D 064	Zinc-Lead	Mississippi Valley-type	NI 43-101 defined resource
Bonanza	White Gold Corp.	-	Gold	vein/breccia	R/C drilled
Brewery Creek	Golden Predator Mining Corp.	116B 160	Gold	porphyry/sheeted vein	NI 43-101 defined resource
Byng	Strategic Metals Ltd.	105D 184	Gold	vein/breccia	grassroots - never drilled
Carcross	Prior, Glen	-	Gold	volcanic associated	grassroots - never drilled
Carlin Gold	Carlincore Resources Ltd.	-	Gold	sediment associated	grassroots - never drilled
Casino	Western Copper and Gold Corp.	115J 028	Copper	porphyry/sheeted vein	in permitting
CD	Strategic Metals Ltd.	-	Gold	-	grassroots - never drilled
Clear Creek	Kestrel Gold Inc.	-	Gold	porphyry/sheeted vein	diamond drilled
Coffee Project	Goldcorp Inc.	115J 110	Gold	vein/breccia	in permitting
Convert	Strategic Metals Ltd.	105B 143	Zinc-Lead	volcanic associated	diamond drilled
Cowley Park (Lobo)	Lobo Del Norte Ltd.	-	Copper	porphyry/sheeted vein	diamond drilled
Crag East	Strategic Metals Ltd.	106C 106	Gold	sediment associated	diamond drilled
Dabb	Strategic Metals Ltd.	105E 033	Zinc-Lead	skarn/replacement	grassroots - never drilled
Division Mountain	2560344 Ontario Inc.	115H 013	Coal	sediment associated	NI 43-101 defined resource
Dixie Creek	Blackwater Minerals Inc.	-	Gold	vein/breccia	grassroots - never drilled
Dublin Gulch (Eagle)	Victoria Gold Corp.	106D 025	Gold	porphyry/sheeted vein	mine development
Ellen	Group Ten Metals Inc.	-	Copper	volcanic associated	diamond drilled
Flame & Moth	Alexco Resource Corp.	105M 087	Silver	vein/breccia	NI 43-101 defined resource
Flume/Storck	K2 Gold Corp.	115N 110	Gold	vein/breccia	diamond drilled
Four Corners	Strategic Metals Ltd.	105G 146	Copper	volcanic associated	grassroots - never drilled
Freegold Mountain	Triumph Gold Corp.	115I 107	Gold	porphyry/sheeted vein	NI 43-101 defined resource
Fyre Lake	BMC Minerals	105G 034	Copper	volcanic associated	NI 43-101 defined resource

**Appendix 1 (continued). Exploration projects 2018.**

<b>Project</b>	<b>Owner/Optioner</b>	<b>Yukon MINFILE</b>	<b>Commodity</b>	<b>Deposit type</b>	<b>Level of Advancement</b>
Gold Cap	Pacific Ridge Exploration Ltd.	115O 175	Gold	vein/breccia	R/C drilled
Golden Culvert	Stratabound Minerals Corp.	105H 067	Gold	vein/breccia	diamond drilled
Golden-Oly	Strikepoint Gold Inc.	-	Gold	vein/breccia	diamond drilled
Grabben Gold	Kreft, Bernie	115O 054	Gold	vein/breccia	grassroots - never drilled
Groundhog	Strategic Metals Ltd.	105F 029	Silver	skarn/replacement	historical resource
Hartless Joe	Strategic Metals Ltd.	105D 203	Gold	vein/breccia	grassroots - never drilled
Hat	Strategic Metals Ltd.	-	Unknown	Unknown	grassroots - never drilled
Hayes	White Gold Corp.	115J 012	Gold	vein/breccia	grassroots - never drilled
Hen	White Gold Corp.	115O 168	Gold	vein/breccia	grassroots - never drilled
Hopper	Strategic Metals Ltd.	115H 019	Copper	skarn/replacement	diamond drilled
Hotspot	Goldstrike Resources Ltd.	115N 101	Gold	vein/breccia	grassroots - never drilled
Hunker	White Gold Corp.	115O 083	Gold	vein/breccia	grassroots - never drilled
Hyland Gold	Banyan Gold Corp.	095D 011	Gold	vein/breccia	NI 43-101 defined resource
Jaycee Regional	Huber, Marty	-	Tin	skarn/replacement	grassroots - never drilled
JP Ross	White Gold Corp.	115O 160	Gold	vein/breccia	diamond drilled
Justin	Aben Resources Ltd.	105H 035	Gold	porphyry/sheeted vein	diamond drilled
Kelli Claim	Gutrath, Gordon	115G 102	Gold	volcanic associated	diamond drilled
Keno	Metallic Minerals Corp.	105M 011	Silver	vein/breccia	diamond drilled
King Solomon Project	Kestrel Gold Inc.	-	Gold	vein/breccia	diamond drilled
Klondike District Property	Klondike Gold Corp.	115O 072	Gold	vein/breccia	NI 43-101 defined resource
Klondike Valley	Diamond Tooth Resources Inc.	116B 009	Gold	vein/breccia	grassroots - never drilled
Kryptos	Mieras, Jeff	-	Gold	porphyry/sheeted vein	R/C drilled
Kudz Ze Kayah	BMC Minerals	105G 117	Copper	volcanic associated	in permitting
Line	White Gold Corp.	-	Gold	vein/breccia	grassroots - never drilled
Logjam	CMC Metals Ltd.	105B 038	Silver	vein/breccia	historical resource
Lucky Strike	Lucky Strikes Resources Ltd.	115O 170	Gold	vein/breccia	diamond drilled
MAGA	Mann, Bill	-	Zinc-Lead	volcanic associated	grassroots - never drilled
Mariposa	Four Nines Gold Inc.	115O 075	Gold	vein/breccia	diamond drilled
Mars	Strategic Metals Ltd.	105E 002	Copper	porphyry/sheeted vein	diamond drilled
McKay Hill	Metallic Minerals Corp.	106D 038	Silver	vein/breccia	grassroots - never drilled
Meloy	Strategic Metals Ltd.	115G 070	Copper	porphyry/sheeted vein	grassroots - never drilled

## Appendix 1 (continued). Exploration projects 2018.

Project	Owner/Optioner	Yukon MINFILE	Commodity	Deposit type	Level of Advancement
Michie Formation Ultramafics	Brodie McCrory	-	Jade	mafic/ultramafic associated	grassroots - never drilled
Midas	Kreft, Bernie	-	Gold	vein/breccia	grassroots - never drilled
Mint	Strategic Metals Ltd.	115F 087	Gold	porphyry/sheeted vein	diamond drilled
Minto	Capstone Mining Corp.	115I 021	Copper	porphyry/sheeted vein	mine in temporary closure
Monster	Go Cobalt Mining Corp.	116B 102	Industrial Minerals	Wernecke Breccia	grassroots - never drilled
Mount Anderson	Apex Resources Inc.	105D 029	Gold	vein/breccia	grassroots - never drilled
Mount Hinton	Strategic Metals Ltd.	105M 052	Gold	vein/breccia	diamond drilled
Mt. Haldane	Alianza Minerals Ltd.	105M 032	Silver	vein/breccia	diamond drilled
Nickel Shāw (Wellgreen)	Nickel Creek Platinum Corp.	115G 024	Nickel-PGE	mafic/ultramafic associated	NI 43-101 defined resource
No Name Target	StrataGold Corp.	-	Gold	sediment associated	grassroots - never drilled
North Rackla	Cantex Mine Development Corp.	106C 088	Gold	sediment associated	diamond drilled
Orion	Barrick Gold Corp.	106C 099	Gold	sediment associated	NI 43-101 defined resource
Osiris	ATAC Resources Ltd.	106C 045	Gold	sediment associated	NI 43-101 defined resource
PDM	Strikepoint Gold Inc.	105J 010	Gold	vein/breccia	grassroots - never drilled
Pedlar	White Gold Corp.	-	Gold	vein/breccia	grassroots - never drilled
Pilot	White Gold Corp.	115K 109	Gold	vein/breccia	grassroots - never drilled
Plateau	Newmont Mining Corp.	105N 036	Gold	vein/breccia	diamond drilled
Rawgeef	Bachynski, Ryan	-	Zinc-Lead	sediment associated	grassroots - never drilled
RC	Pacific Ridge Exploration Ltd.	-	Gold	porphyry/sheeted vein	grassroots - never drilled
Red Ridge	Apex Resources Inc.	105D 100	Gold	vein/breccia	grassroots - never drilled
RJ	Coe, Ryan	-	Gold	porphyry/sheeted vein	grassroots - never drilled
Roam	Shearer, Johan	-	Silver	vein/breccia	grassroots - never drilled
Rod	Strategic Metals Ltd.	106C 087	Silver	vein/breccia	diamond drilled
Rude Creek Gold	0890763 B.C. Ltd.	115J 022	Gold	porphyry/sheeted vein	grassroots - never drilled
Salloon	Strategic Metals Ltd.	105E 003	Copper	-	diamond drilled
Sawbuck	Strategic Metals Ltd.	-	Silver	skarn/replacement	grassroots - never drilled
Selwyn Project	Selwyn-Chihong	105I 037	Zinc-Lead	sediment associated	NI 43-101 defined resource
Silver Hill Area	Metallic Minerals Corp.	-	Silver	vein/breccia	grassroots - never drilled
Sixtymile	Kreft, Bernie	116C 146	Gold	porphyry/sheeted vein	grassroots - never drilled
SM	Strategic Metals Ltd.	115N 123	Gold	vein/breccia	grassroots - never drilled
Sprogge	Golden Predator Mining Corp.	105H 103	Gold	vein/breccia	diamond drilled

**Appendix 1 (continued). Exploration projects 2018.**

<b>Project</b>	<b>Owner/Optioner</b>	<b>Yukon MINFILE</b>	<b>Commodity</b>	<b>Deposit type</b>	<b>Level of Advancement</b>
Squalin	Heon, Daniele	-	Nickel-PGE	mafic/ultramafic associated	grassroots - never drilled
Staff	Strategic Metals Ltd.	-	Gold	porphyry/sheeted vein	grassroots - never drilled
Stew	Mann, Bill	-	Gold	vein/breccia	grassroots - never drilled
Teslin Mountain	Hulstein, Roger	-	Gold	vein/breccia	grassroots - never drilled
Tom/Jason (MacMillan Pass)	Fireweed Zinc Ltd.	1050 001	Zinc-Lead	sediment associated	NI 43-101 defined resource
Toonie	White Gold Corp.	-	Gold	vein/breccia	R/C drilled
Trail-Minto	Mayo Lake Minerals	-	Gold	porphyry/sheeted vein	grassroots - never drilled
Val-Jual	Kestrel Gold Inc.	-	Gold	Unknown	diamond drilled
Van Gogh East	Van Krichbaum, Everett	-	Gold	volcanic associated	grassroots - never drilled
Vault	Strategic Metals Ltd.	115G 027	Gold	vein/breccia	grassroots - never drilled
VIP	Generic Gold Corp.	-	Gold	Unknown	grassroots - never drilled
Wells	White Gold Corp.	-	Gold	vein/breccia	grassroots - never drilled
Wels Gold	K2 Gold Corp.	115J 039	Gold	porphyry/sheeted vein	diamond drilled
White Gold	White Gold Corp.	115O 165	Gold	vein/breccia	NI 43-101 defined resource
Yellow	White Gold Corp.	-	Gold	vein/breccia	grassroots - never drilled

## Appendix 2. Drilling statistics by project, 2018.

Property	Optioner/Owner	# of drill holes	# of metres
<b>Diamond Drilling</b>			
3 Aces	Golden Predator Mining Corp.	35	4772
Birmingham	Alexco Resource Corp.	36	8582
Brewery Creek	Golden Predator Mining Corp.	22	828
Dublin Gulch (Eagle)	Victoria Gold Corp.	29	5395
Freegold Mountain	Triumph Gold Corp.	74	17 566
Golden Culvert	Stratabound Minerals Corp.	8	1350
Golden-Oly	Strikepoint Gold Inc.	3	682
Hyland Gold	Banyan Gold Corp.	11	1294
Kudz Ze Kayah	BMC Minerals Ltd.	22	4055
Lone Star	Klondike Gold Corp.	87	9512
Lucky Strike	Lucky Strikes Resources Ltd.	11	1360
Mount Anderson	Apex Resources Inc.	9	1400
Osiris	ATAC Resources Ltd.	16	7410
Plateau	Newmont Mining Corp.	26	7753
Sprogge	Golden Predator Mining Corp.	27	2169
Tom/Jason (MacMillan Pass)	Fireweed Zinc Ltd.	20	5497
White Gold	White Gold Corp.	46	16 176
<b>Rotary Air Blast/Reverse Circulation</b>			
3 Aces	Golden Predator Mining Corp.	10	392
Division Mountain	2560344 Ontario Inc.	4	125
JP Ross	White Gold Corp.	69	4764
Rude Creek Gold	0890763 B.C. Ltd.	2	197
VIP	Generic Gold Corp.	11	1090
White Gold	White Gold Corp.	14	2397